Table of Contents

2025-2026 Catalog 3
Community College of Aurora Catalog 4
Academic Calendar 6
Courses 7
Degrees, Certificates, and GT Pathways Courses 61
Tuition Classification 148
Paying for College 150
Advising and Registration 154
My Student Record 155
Academic Matters 162
Graduation Requirements 167
Student Support Services & Resources 169
Legal Notices 170
Addendum for 2025-26 Catalog 171
Glossary 172
Faculty and Staff 176

2025-2026 CATALOG

COMMUNITY COLLEGE OF AURORA CATALOG

CentreTech Campus

16000 E CentreTech Parkway

Aurora, Colorado 80011

303-360-4700

303-360-4727 (Security)

Lowry Campus

9075 E Lowry Boulevard

Denver, CO 80230

303-419-5557 (Security)

Centennial Campus

12650 E Arapahoe Road, STE 100

Centennial, Colorado 80112

Off Campus Sites

Colorado Home Building Academy
445 W 53rd Place
Denver, CO 80216

Aurora Fire Rescue Training Branch
25950 E Quincy Avenue
Aurora, CO 80016

www.CCAurora.edu

Published 2025

The Community College of Aurora is accredited by the Higher Learning Commission (hlcommission.org), an institutional accreditation agency recognized by the U.S. Department of Education.

Approved by

Colorado Commission on Higher Education

State Board for Community Colleges and Occupational Education

The college operates under the jurisdiction of Colorado Community College System.

Vision

We aspire to be the college where every student succeeds.

Mission

The Community College of Aurora serves our diverse community by providing high quality instruction and support services to prepare students for transfer and employment.

Values

Respect, Collaboration, Quality, Access, Diversity and Inclusion

Goals

Commitment 1: Academic Excellence

Commitment 2: Student Learning and Success

Commitment 3: An Inclusive College Culture

Commitment 4: Community Leadership and Service

Commitment 5: Institutional Growth and Excellence

The 4 Cs

All students at CCA are expected to develop competence in our institutional outcomes, the 4 Cs, in addition to competence in occupational and discipline knowledge. The 4 Cs are: Career & Transfer Readiness, Communication, Critical Thinking, and Cultural Competence. These skills are the foundation of students' education at the Community College of Aurora. Students develop competence in one or more of these skills in all of their experiences at CCA, both inside and outside of the classroom.

Career & Transfer Readiness
Career and transfer readiness is the ability to adapt, commit to lifelong learning, and demonstrate knowledge and skills applicable in a global economy for successful transition into the workplace or continued coursework.

Communication
Communication is the ability to effectively express, impart, or exchange feelings, thoughts, opinions, and information both orally and in writing.

Critical Thinking
Critical thinking is the ability to analyze and evaluate information, evidence, arguments, and theories from multiple perspectives for use in the development of an opinion or conclusion.

Cultural Competence
Cultural competence is the ability to demonstrate awareness and integration of an intentional valuing of cultural differences and experiences in our decisions and interactions with all.

Equal Opportunity

CCA does not discriminate on the basis of race, color, creed, nationality, sex, age, or handicap, in admission or access to, or treatment or employment in, its programs and activities. Inquiries concerning Title VI, Title IX, and Section 504 and the Americans With Disabilities Act may be referred to Erica Hines, Chief Human Resource & Personnel Success Officer. She serves as the Affirmative Action (AA) Officer, Equal Opportunity (EO), and Title IX Coordinator with the responsibility to coordinate civil rights compliance activities and grievance procedures and she serves as the college's Compliance Coordinator. Please contact her by e-mail at Erica.Hines@ccaurora.edu, by phone at 303-340-7231 or by US mail at 16000 East CentreTech Parkway, Administration Building, Office A207E, Aurora, Colorado 80011.

This catalog contains pertinent information affecting students, current through the date of its issuance. To the extent that any provision of this catalog is inconsistent with State Board for Community Colleges and Occupational Education Policies (BPs) or Colorado Community College System President's Procedures (SP's), the BPs and SPs shall supersede and

control. BPs and SPs are subject to change throughout the year and are effective immediately upon adoption by the Board or System President, respectively. Students are expected to be familiar with and adhere to the BPs, SPs as well as College directives, including but not limited to the contents of this Handbook.

To access BPs and SPs, see https://cccs.edu/about-cccs/state-board/policies-and-procedures/

Nothing in this catalog is intended to create (nor shall be construed as creating) an express or implied contract or to guarantee for any term or to promise that any specific process, procedures or practice will be followed or benefit provided by the College. The College reserves the right to modify, change, delete or add to the information in this catalog as it deems appropriate.

ACADEMIC CALENDAR

Summer 2025

- Registration Begins: March 10
- Classes Start: May 27
- Classes End: August 4
- Holidays/Breaks:

Juneteenth: June 19 (College closed)

Independence Day: July 4 (College closed)

Fall 2025

- Registration Begins: March 10
  - Extended Saturday hours for advising, registration, financial aid, recruitment, and payment support at the CentreTech Campus
    - August 2nd 9 am - 1 pm
    - August 9th 9 am - 1 pm
    - August 16th 9 am - 1 pm
- Classes Start: August 18
- Classes End: December 7
- Holidays/Breaks:

Labor Day: September 1 (College closed)

Fall Break: November 25 – 29 (No classes, college closed on Thanksgiving Day)

Spring 2026

- Registration Begins: October 27, 2025
  - Extended Saturday hours for advising, registration, financial aid, recruitment, and payment support at the CentreTech Campus
    - January 10th 9 am - 1 pm
    - January 17th 9 am -1 pm
- Classes Start: January 20
- Classes End: May 11
- Holidays/Breaks:

Spring Break: March 9-14

Graduation: May 9

Summer 2026

- Registration Begins: March 9
- Classes Start: May 26
- Classes End: August 3
- Holidays/Breaks:

Juneteenth: June 19 (College closed)
Independence Day: July 3 (College closed)

Schedule subject to change to match local school districts and other external schedules as necessary

COURSES

AAA - Academic Achievement Courses

AAA 1001 - College 101: The Student Experience
1 Credit hour 15 Contact hours

Introduces students to college culture and prepares them for the challenges they will face in higher education. Through a series of interactive seminars, students discover learning in a multicultural environment and use college and community resources to attain education and career goals.

AAA 1009 - Advanced Academic Achievement
3 Credit hours 45 Contact hours

Examines theories and practices associated with successful learning to enhance college success. Areas of study include education and career planning, effective communication, personal management, critical and creative thinking, development of community and awareness of diversity, leadership, and techniques for successful academic performance. Recommended for new and returning students.

ACC - Accounting Courses

ACC 1011 - Introduction to Financial Accounting
3 Credit hours 45 Contact hours

Focuses on financial accounting concepts prescribed by Generally Accepted Accounting Principles (GAAP), including financial information for external partners, the accounting cycle process, basic terminology, transaction analysis, internal control systems, and financial statement preparation and analysis.

ACC 1012 - Introduction to Managerial Accounting
3 Credit hours 45 Contact hours

Focuses on the fundamentals of managerial accounting and cost management as tools to aid internal users' decision-making processes. This course covers basic managerial accounting concepts, such as product costing and cost behavior and control. It also covers internal management decision making tools, including cost-volume-profit analysis, budgeting, cost analysis, and planning and control systems.

Prerequisite: Successful completion of ACC 1011 or ACC 1021 (grade C or better). Please note CCA no longer offers ACC 1021.

ACC 1015 - Payroll Accounting
3 Credit hours 45 Contact hours

Studies federal and state employment laws and their effects on personnel and payroll records. The course is non-technical and is intended to give students a practical working knowledge of the current payroll laws and actual experience in applying regulations. Students are exposed to computerized payroll procedures.

Prerequisite: Successful completion of or concurrent enrollment in ACC 1011 or completion of ACC 1021* (grade C or better).

ACC 1025 - Computerized Accounting
3 Credit hours 45 Contact hours

Introduces the capabilities of computer applications in accounting. Includes solving accounting problems of a financial nature and hardware and software controls.

Prerequisite: Successful completion of or concurrent enrollment in ACC 1011 or completion of ACC 1021* (grade C or better).

ACC 1031 - Income Tax
3 Credit hours 45 Contact hours

Studies basic concepts of federal income taxation, including gross income, deductions, accounting periods and methods, and property transactions, with emphasis on taxation of individuals and sole proprietorships.

ACC 2011 - Intermediate Accounting I
4 Credit hours 60 Contact hours

Focuses on comprehensive analysis of generally accepted accounting principles (GAAP), accounting theory, concepts and financial reporting principles for public corporations. It is the first of a two-course sequence in financial accounting, designed primarily for accounting and finance majors. Focuses on the preparation and analysis of business information relevant and useful to external users of financial reports. Explores the theories, principles, and practices surveyed in Accounting Principles and critically examines real-world financial analysis and reporting issues.

Prerequisite: Successful completion of ACC 1011 AND ACC 1012 (grade C or better) OR ACC 1021* AND ACC 1022* (grade C or better).

ACC 2012 - Intermediate Accounting II
4 Credit hours 60 Contact hours

Focuses on the theoretical and practical aspects of accounting for long-term liabilities, stockholders equity, investments, pensions, and leases. Includes income tax allocation, financial statement analysis, cash flow statements, and accounting methods changes.

Prerequisite: Successful completion of ACC 2011 (grade C or higher).

ACC 2026 - Cost Accounting I
3 Credit hours 45 Contact hours

Studies cost accumulation methods and reports. Focuses on the concepts and procedures of job order, process, standard and direct cost system, budgeting, planning, and control of costs.

Prerequisite: Successful completion of ACC 1012 OR ACC 1022 (grade C or better).

AEC - Arch Eng/Construction Mgmt Courses

AEC 1200 - Print Reading Residential/Commercial
3 Credit hours 45 Contact hours

Interpret construction prints and the related documents produced by the residential or commercial architect and used in the construction industry.

Prerequisite: Department Permission Required.

AEC 1520 - Construction Materials and Systems
3 Credit hours 45 Contact hours

Examines building materials and construction techniques. Topics include a study of soils, concrete, brick, masonry, steel, timber, and plastics and a study of types of building structural systems and components. Principles of interpreting light commercial construction drawings (blueprints) for structural and trade information are also introduced.

Prerequisite: Department Permission Required.

AEC 2080 - Internship
3 Credit hours 67.5 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus.

Prerequisite: Successful completion of AEC 1200 and AEC 1520 (grade C or higher).

AEC 2089 - Capstone
3 Credit hours 45 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus.

Prerequisite: Successful completion of AEC 1200 and AEC 1520 (grade C or higher).

AEC 2530 - Soil Mechanics
3 Credit hours 45 Contact hours

Explores basic principles of soil mechanics and proper testing procedures. Introduces students to soils and the testing of soils.

AEC 2550 - Building Electrical/Mech Sys
3 Credit hours 45 Contact hours

Acquaints the student with electrical and mechanical equipment and systems in buildings. Lectures cover the basic principles of electrical distribution, artificial lighting, fire protection, plumbing systems and heating, ventilating and air conditioning (HVAC) systems.

AEC 2610 - Estimating I
3 Credit hours 45 Contact hours

Covers basic construction estimating. The student will develop skills in estimating the amount and cost of various constructions. He/She will demonstrate these skills by making estimates of material and labor quantities and cost for representative types of construction.

Prerequisite: Department Approval Required.

AEC 2611 - Estimating II: Cost Analysis
3 Credit hours 45 Contact hours

Focuses on estimating techniques used to establish and verify costs of materials, equipment, and labor and the time requirements related to building construction projects. Emphasis is placed on preparation of an estimate of construction costs of a commercial building.

Prerequisite: Department Approval Required.

AEC 2620 - Surveying
3 Credit hours 45 Contact hours

The course includes the fundamentals of plane surveying and basic surveying instruments. It emphasizes construction-related aspects of surveying and the development of skills in using surveying field information. Surveying projects are generally covered in coordinated and fieldwork segments.

AEC 2630 - Construction Scheduling
3 Credit hours 45 Contact hours

Perform research using various methods of project scheduling. Emphasis will be placed on critical path method techniques and strategies.

Prerequisite: Department Approval Required.

AEC 2640 - Contracts & Legal Environment
3 Credit hours 45 Contact hours

Introduces different types of contracts, legal requirements, and liabilities that are related to the construction industry. This course also focuses on contracting parties and their legal options and obligations when they interact during the construction phases. Specifications as an important part of the construction documents will be introduced.

AEC 2650 - Construction Project Mgmt
3 Credit hours 45 Contact hours

Investigates building construction management principles including a study of systematic scheduling techniques, project tracking and control methods, and budget and cost analysis and control.

AEC 2700 - International Building Codes
3 Credit hours 45 Contact hours

A study is made of the restrictions, standards, and requirements that in the interest of public safety and welfare have been established by law to govern the construction of buildings and their materials. Specifications are developed to describe building materials to be furnished and how they are to be installed.

Prerequisite: Department Approval Required.

ANT - Anthropology Courses

ANT 1001 - Cultural Anthropology (GT-SS3)
3 Credit hours 45 Contact hours

Examines the study of human cultural patterns, including communication, economic systems, social and political organizations, religion, healing systems, and cultural change. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

ANT 1003 - Introduction to Archaeology (GT-SS3)
3 Credit hours 45 Contact hours

Introduces the science of recovering the human prehistoric and historic past through excavation, analysis, and interpretation of material remains. The course provides a survey of the archaeology of different areas of the Old and New Worlds, the works of selected archaeologists, and major archaeological theories. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

ANT 1005 - Biological Anthropology w/Lab (GT-SC1)
4 Credit hours 90 Contact hours

Focuses on the study of the human species and related organisms, and examines principles of genetics, evolution, anatomy, classification, and ecology, including a survey of human variation and adaptation, living primate biology and behavior, and primate and human fossil evolutionary history. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

ANT 2075 - Special Topics in Anthropology
0-6 Credit hours 15-75 Contact hours

Provides opportunity for off-campus field experience or study of a special topic in Anthropology. Field study may occur at archaeological sites, museums, host educational institutions, within ethnographic situations, or other anthropologically appropriate places. Study of a special topic may include that derived from physical anthropology, cultural anthropology, archaeology, or other anthropological discipline.

Prerequisite: College Readiness in English (See Glossry for more detail).

ANT 2115 - Native Peoples of North America (GT-SS3)
3 Credit hours 45 Contact hours

Studies the origins of native peoples in the New World, through the development of geographic culture areas, to European contact and subsequent contemporary Native American issues. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

ANT 2125 - Anthropology of Religion GT:SS3
3 Credit hours 45 Contact hours

Explores the culturally universal phenomenon of religion including cross-cultural varieties of beliefs in the supernatural and the religious rituals

people employ to interpret and control their worlds. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

ANT 2130 - Sex, Gender, and Culture: GT-SS3
3 Credit hours 45 Contact hours

Explores the anthropology of gender including the relationship between biology and culture in human evolution, archaeological evidence of gender distinctions in prehistory, cross-cultural constructions of masculinity, femininity, and sexuality, variations in the sexual division of labor and economic stratification, gender differences in ritual and religion, and the impact of gender issues in contemporary global culture change. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

ANT 2315 - Introduction to Forensic Anthropology with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Covers the basic principles of forensic anthropology, an applied field within the discipline of biological anthropology. The course includes the study of the human skeleton, practical application of biological anthropology and archaeology, and judicial procedure, as they relate to the identification of human remains within a medico-legal context. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English and Quantitative Literacy Math (See Glossary for more detail).

ANT 2550 - Medical Anthropology (GT-SS3)
3 Credit hours 45 Contact hours

Explores the basic principles of medical anthropology, an applied field within the discipline of cultural anthropology, including the cross-cultural study of illness, health, healing, death, globalization, and the interaction of medical systems between cultures. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3.

Prerequisite: College Readiness in English (See Glossary for more detail).

ART - Art, Design, Jewelry and Photography Courses

ART 1002 - Visual Concepts 2-D Design
3 Credit Hours 90 Contact Hours

Examines the basic elements of design, visual perception, and artistic form and composition as they relate to two-dimensional media.

ART 1003 - 3-D Design
3 Credit Hours 90 Contact Hours

Introduces the fundamentals of three-dimensional design, form, and space. The course applies the elements and principles of design to three-dimensional problems.

ART 1004 - 4-D Design: Time-Based Art
3 Credit Hours 90 Contact Hours

Explores the artistic possibilities of time and movement in art and design. These include analog and digital art forms ranging from performance art through animation and video. Emphasis is placed on creative problem solving skills and the application of elements and principles of design in time-based media.

ART 1110 - Art Appreciation: (GT-AH1)
3 Credit hours 45 Contact hours

Introduces the cultural significance of the visual arts, including media, processes, techniques, traditions, and terminology. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

ART 1111 - Art History - Ancient to Medieval (GT-AH1)
3 Credit hours 45 Contact hours

Provides the knowledge base to understand the visual arts, especially as related to Western culture. This course surveys the visual arts from the Ancient through the Medieval periods. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

Prerequisite: .

ART 1112 - Art History – Renaissance to Modern: GT-AH1
3 Credit hours 45 Contact hours

Provides the knowledge base to understand the visual arts, especially as related to Western culture. This course surveys the visual arts from the Renaissance to 1900. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

ART 1113 - Art History - 1900 to Present: (GT-AH1)
3 Credit hours 45 Contact hours

Introduces the concepts necessary to understand modern visual art, with an emphasis on world art of the 20th century. This course surveys world art of the 20th century, including Modernism to Post-Modernism. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

ART 1201 - Drawing I
3 Credit Hours 90 Contact Hours

Investigates the various approaches and media that students need to develop drawing skills and visual perception.

ART 1202 - Drawing II
3 Credit hours 90 Contact hours

Explores expressive drawing techniques with an emphasis on formal composition, color media and content or thematic development.

Prerequisite: Successful completion of ART 1201 (grade C or higher).

ART 1203 - Figure Drawing I
3 Credit Hours 90 Contact Hours

Introduces the basic techniques of drawing the human figure.

ART 1301 - Painting I
3 Credit Hours 90 Contact Hours

Explores basic techniques, materials, and concepts used in opaque painting processes in oil or acrylic painting to depict form and space on a two-dimensional surface.

ART 1302 - Painting II
3 Credit hours 90 Contact hours

Further explores basic techniques, materials, and concepts used in opaque painting processes in oil or acrylic painting, with emphasis on composition and content development.

Prerequisite: Successful completion of ART 1301 (grade C or higher).

ART 1401 - Digital Photography I
3 Credit Hours 90 Contact Hours

Presents the fundamentals of Fine Art digital photography, including camera equipment and software used for image capture, management and manipulation. Topics include camera settings and exposure control, composition, working with light and time, and creative image manipulation.

ART 1604 - Jewelry and Metalwork I
3 Credit Hours 60 Contact Hours

Introduces metalsmithing techniques and design used for jewelry and small scale sculptural objects. This course introduces fabrication and forming techniques such as soldering, forming, hollow construction, cold

connections, surface treatment, finishing processes, and basic stone setting. This course includes generating and constructing functional jewelry and sculpture.

ART 1703 - Ceramics I
3 Credit Hours 90 Contact Hours

Introduces traditional and contemporary approaches to ceramic form and processes, with an emphasis on hand building techniques, and a basic introduction to the potter's wheel. This course includes basic surface design, glaze, and kiln firing procedures.

ART 1704 - Ceramics II Wheel Throwing
3 Credit hours 90 Contact hours

Course covers ceramic wheel throwing and explores intermediate-level traditional and contemporary approaches to ceramic form and processes. This course emphasizes wheel throwing techniques and forms. It covers additional development of surface design, glazing, glaze formulation, and kiln firing procedures.

Prerequisite: Successful completion of ART 1703 (grade C or higher).

ART 1801 - Fiber Design I
3 Credit Hours 90 Contact Hours

Introduces basic fiber design. Explores basic studies and approaches to fiber design, ranging from the uses of dyes, prints, painting, and threads to an appreciation of the properties of various kinds of fiber and textiles.

ART 2075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Provides the student with a vehicle to pursue in-depth exploration of special topics of interest.

ART 2203 - Advanced Figure Drawing
3 Credit hours 90 Contact hours

Provides continuing study of the various methods of drawing the human figure, with emphasis on the description of form and individual style.

Prerequisite: Successful completion of ART 1203 (grade C or better).

ART 2401 - Digital Photography II
3 Credit hours 90 Contact hours

Expands upon the beginning digital photography class. Focuses on digital photography in terms of design and communication factors including color, visual design, lighting, graphics, and aesthetics.

Prerequisite: Successful completion of ART 1401 (grade C or better).

ASE - Auto Service Technology Courses

ASE 1020 - Basic Auto Electricity
2 Credit hours 33.75 Contact hours

Introduces vehicle electricity, basic electrical theory, circuit designs, and wiring methods. This course focuses on multimeter usage and wiring diagrams. This course meets MLR/AST/MAST requirements.

Prerequisite: Successful completion of DPM 1000 and DPM 1001 (grade C or better).

ASE 1023 - Starting & Charging Systems
2 Credit hours 37.5 Contact hours

Covers the operation and theory of a vehicle battery, testing, service, and repair of starting and charging systems including voltage testing, draw testing. This course meets MLR/AST/MAST program requirements.

Prerequisite: Successful completion of DPM 1000, DPM 1001, and ASE 1020 (grade C or better).

ASE 2095 - HVAC Systems
3 Credit hours 67.5 Contact hours

Emphasizes lecture and related laboratory experiences in the diagnosis and service of vehicle heating and air conditioning systems and their components.

Prerequisite: Successful completion of DPM 1000 and DPM 1001 (grade C or better).

ASE 2191 - Auto/Diesel Body Electrical
3 Credit hours 65 Contact hours

Provides a comprehensive study of the theory, operation, diagnosis, and repair of vehicle accessories.

Prerequisite: Successful completion of DPM 1000 and DPM 1001, ASE 1020 (grade C or better).

ASL - American Sign Language (ASL) Courses

ASL 1075 - Special Topics (Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.)
0-12 Credit hours 15-90 Contact hours

Exploration of current topics, issues, and activities related to one or more aspects of the named discipline.

ASL 1121 - American Sign Language I
5 Credit hours 75 Contact hours

Exposes students to American Sign Language. Readiness activities are conducted focusing on visual/receptive skills and basic communication. Utilizes the direct experience method.

Prerequisite: College Readiness in English (See Glossary for more detail).

ASL 1122 - American Sign Language II
5 Credit hours 75 Contact hours

Develops a basic syntactic knowledge of American Sign Language (ASL), basic vocabulary, and basic conversational skills. Incorporates vital aspects of deaf culture and community. The direct experience method is used to enhance the learning process.

Prerequisite: Successful completion of ASL 1121 (grade C or better) or passing the ASL Proficiency Exam or permission by department chair.

ASL 1123 - American Sign Language III
5 Credit hours 75 Contact hours

Provides the student an opportunity to develop a stronger grasp of American Sign Language (ASL), as well as the cultural features of the language. ASL vocabulary is also increased. The direct experience method is used to further enhance the learning process. This course is a continuation of ASL 1122 with more emphasis on expressive skills in signing.

Prerequisite: Successful completion of ASL 1122 (grade C or better).

ASL 2075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.

ASL 2221 - American Sign Language IV: (GT-AH4)
3 Credit hours 45 Contact hours

Continues to provide further study of American Sign Language (ASL) and its grammar, syntax and cultural features. This course helps develop

intermediate-level competency and fluency in the language, and addresses variations in ASL.

Prerequisite: Successful completion of ASL 1123 (grade C or better) or permission by the Department Chair.

AST - Astronomy Courses

AST 1110 - Planetary Astronomy w/Lab (GT-SC1)
4 Credit hours 75 Contact hours

Focuses on the history of astronomy, naked-eye sky observation, tools of the astronomer, contents of the solar system and life in the universe. Incorporates laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English and Quantitative Literacy (See Glossary for more detail).

AST 1120 - Stellar Astronomy w/Lab (GT-SC1)
4 Credit hours 75 Contact hours

Emphasizes the structure and life cycle of the stars, the sun, galaxies, and the universe as a whole, including cosmology and relativity. Incorporates laboratory experience.This is a statewide Guaranteed Transfer course in the GT- SC1 category.

Prerequisite: College Readiness in English and Quantitative Literacy (See Glossary for more detail).

BEH - Behavioral Health Courses

BEH 1001 - Mental Health Crisis and Intervention: Preparedness and Emp
3 Credit hours 45 Contact hours

Focuses on the skills necessary to recognize and assess warning signs of mental health distress and crisis intervention through evidence-based practices. This course also emphasizes trauma-informed care, non-violent crisis intervention, and interventions for diverse populations. This course will prioritize preparation for becoming a compassionate and skilled crisis intervention professional.

BEH 1020 - Cultural Comp in Beh Health
1.5 Credit hours 22.5 Contact hours

Provides an introduction to culturally responsive and inclusive care for diverse populations. This course explores the intersection of culture, mental health, and social disparities, emphasizing the importance of cultural competence in promoting positive outcomes and reducing disparities in behavioral healthcare.

BEH 1030 - Behavioral Health Case Management and Clinical Documentation
1 Credit hour 15 Contact hours

Focuses on behavioral health case management through documentation of services provided, including interventions, goals, progress, needs assessments, care coordination, client-centered empowerment, and reflective practice. This course does not focus on specific addiction related criteria or regulations, nor does it meet Certified Addiction Technician certification requirements.

BEH 1040 - Child, Adult, and Family Advocacy
1.5 Credit hours 22.5 Contact hours

Focuses on the critical role of advocating for the mental health and well-being of children, families, and adults within the behavioral health field. This course explores the intersection of advocacy, behavioral health, and social justice, emphasizing the importance of effective advocacy strategies in promoting access to mental health services, reducing stigma, and addressing systemic barriers.

BEH 1050 - Peer Support Specialist Training
4 Credit hours 60 Contact hours

Provides the International Certification & Reciprocity Consortium (IC&RC) training, which includes advocacy, mentoring and education, recovery and wellness support, ethics, trauma informed care, cultural competency, whole health, substance use, mental health, and family support to those with lived experience of addiction and/or mental health diagnosis and recovery. This training is required to become a Certified Peer and Family Support Specialist (CPFS) in Colorado through successful completion of the IC&RC Peer Recovery (PR) examination.

BEH 1060 - Registered Behavioral Technician Training
4 Credit hours 60 Contat hours

Provides the knowledge and skills needed to become a competent and effective Registered Behavior Technician (RBT). This course is structured to meet the rigorous standards set forth by the Behavior Analyst Certification Board (BACB) and prepare technicians for the RBT certification exam and for a career in the field of Applied Behavior Analysis (ABA).

BEH 2001 - Mental Health Crisis & Intervention: Advoc, Interv, & Resil
3 Credit hours 45 Contact hours

Covers a wide range of skills in advocacy, intervention, and resilience within the context of mental health crises. The course emphasizes ethical decision-making, trauma-informed approaches, cultural competence, and innovative intervention strategies through a blend of theory, practical examples, and interactive learning.

Prerequisite: Successful completion of BEH 1001 (grade C or better).

BEH 2030 - Applied Therapeutic Communication Skills
3 Credit hours 45 Contact hours

Provides effective communication techniques in behavioral health settings to forge meaningful connections with clients and provide support and guidance on their journey towards improved mental health and well-being. The course focuses on establishing rapport, demonstrating empathy, and facilitation of meaningful dialogues with clients across diverse populations, settings, and presenting concerns through experiential learning and self-reflection.

BEH 3001 - Treatment of Mental Health Disorders within Existing Systems
3 Credit hours 45 Contact hours

Examines the treatment of mental health disorders within existing healthcare systems. This course explores the role of Medicaid, Medicare, and other systemic frameworks in providing mental health services and discusses the challenges and opportunities for integrating mental health treatment into primary care settings. This course analyzes evidence-based practices and interventions for addressing mental health needs within the constraints of current systems.

Prerequisite: Successful completion of BEH 2030 (grade C or better).

BEH 3030 - Behavioral Health Program and Case Management
2 Credit hours 30 Contact hours

Examines behavioral health program development and case management practices. It explores the principles and strategies for designing, implementing, and evaluating effective behavioral health programs. The course focuses on the practical application of case management skills, including assessment treatment planning, resource coordination, and advocacy. The course reviews ethical considerations, cultural competency requirements, and multidisciplinary, whole-person approaches to behavioral healthcare treatment.

Prerequisite: Successful completion of BEH 1030 (grade C or better).

BEH 3088 - Behavioral Health Practicum
1-12 Credit hours 540 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

Prerequisite: Successful completion of BEH 3001 and CSL 2068 and CSL 2050 and PSY 2221 (all grade C or better).

BEH 4020 - Understanding Trauma and PTSD
3 Credit hours 45 Contact hours

Explores trauma and Post-Traumatic Stress Disorder (PTSD), examining their psychological, physiological, and social impact. Through interdisciplinary perspectives, the course analyzes trauma's etiology, manifestations, and therapeutic interventions. The course focuses on trauma-informed care, resilience, cultural considerations, and the neurobiology of PTSD. It emphasizes evidence-based practices, ethical considerations, and the development of a comprehensive understanding of, and associated effective strategies for responding to trauma and PTSD.

BEH 4030 - Whole Person Care
3 Credit hours 45 Contact hours

Explores a comprehensive approach to behavioral health prevention, focusing on the whole person within the context of various systems and examines the role of individual, family, community, and societal factors in promoting mental well-being and preventing behavioral health disorders. This course presents opportunities to analyze evidence-based prevention strategies and interventions across the lifespan and emphasizes the importance of cultural competence, health equity, and collaborative partnerships in implementing.

Prerequisite: Successful completion of BEH 3001 (grade C or better).

BEH 4040 - Leadership and Management in Behavioral Healthcare
3 Credit hours 45 Contact hours

Explores principles and practices of leadership and management within behavioral healthcare systems. The course focuses on the skills necessary for effective leadership of diverse teams in behavioral healthcare to promote innovation, problem solving, and advancement of quality and accessibility in behavioral healthcare.

BEH 4080 - Mental Health Internship
1-12 Credit hours 540 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

Prerequisite: Successful completion of BEH 3030 AND BEH 3088 AND BEH 4020 (grade C or better).

BEH 4081 - Addiction Recovery Internship
1-12 Credit hours 540 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

Prerequisite: Successful completion of BEH 3088 AND BEH 4020 (all grade C or better).

BIO - Biology Courses

BIO 1005 - Science of Biology with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Examines the basis of biology in the modern world and surveys the current knowledge and conceptual framework of the discipline. Explores biology as a science, a process of gaining new knowledge, and the impact of biological science on society. This course includes a laboratory experience. Designed for non-science majors. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

BIO 1006 - Basic Anatomy and Physiology
4 Credit hours 60 Contact hours

Focuses on basic knowledge of body structures and function, and provides a foundation for understanding deviations from normal and disease conditions. This course is designed for individuals interested in health care and is directly applicable to the Practical Nursing Program, Paramedic Program, and the Medical Office Technology program.

BIO 1010 - Biology Foundations: Prep for Anatomy & Physiology and Microbiology
2 Credit hours 30 Contact hours

Introduces foundational concepts for Human Anatomy and Physiology as well as Microbiology including macromolecules and cell structures, functions, and processes. This is a non-laboratory course.

BIO 1016 - Introduction to Human Disease (GT-SC2)
3 Credit hours 45 Contact hours

Focused analysis of the causes and mechanics of human illness and death will be presented for each of the major human body systems. Selected diseases will be studied in greater detail including etiology, pathogenesis, epidemiology, sociology, and therapy. This is a statewide Guaranteed Transfer course in the GT-SC2 category.

BIO 1111 - GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1
5 Credit hours 105 Contact hours

Examines the fundamental molecular, cellular, and genetic principles characterizing plants and animals. Includes cell structure and function, and the metabolic processes of respiration and photosynthesis, as well as cell reproduction, and basic concepts of heredity. This course includes laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English and College Readiness in Quantitative Math (See Glossary for more detail).

BIO 1112 - GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1
5 Credit hours 105 Contact hours

Examines the fundamental principles of ecology, evolution, classification, structure, and function in plants and animals. This course includes a laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English and College Readiness in Quantitative Math (see Glossary for more detail).

BIO 2101 - Human Anatomy and Physiology I with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Focuses on an integrated study of the human body including the histology, anatomy, and physiology of each system. Examines molecular, cellular, and tissue levels of organization plus integuments, skeletal, articulations, muscular, and nervous systems. Includes a mandatory hands-on laboratory experience covering microscopy, observations, and dissection. This is the first semester of a two-semester sequence. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of BIO 1111 OR BIO 1010 (grade C or better).

BIO 2102 - Human Anatomy and Physiology II with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Focuses on the integrated study of the human body and the histology, anatomy, and physiology of the following systems and topics: endocrine, cardiovascular, hematology, lymphatic and immune, urinary, fluid and electrolyte control, digestive, nutrition, respiratory, reproductive, and development. Includes a mandatory hands-on laboratory experience involving microscopy, observations, and dissection. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of BIO 2101 (grade C or better).

BIO 2104 - Microbiology with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Covers the diversity of microorganisms, their structure, physiology, and the identification process. There is an emphasis on microorganisms that cause infectious disease and the process of infection, host immune responses, and methods to control microorganisms. Laboratory experiences include culturing, identifying, and controlling microorganisms. This course is designed for students pursuing a health science field. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of BIO 1111 OR BIO 1010 (grade C or better).

BIO 2116 - Human Pathophysiology
4 Credit hours 60 Contact hours

Focuses on the alterations in physiological, cellular, and biochemical processes, the associated homeostatic responses, and the manifestations of disease. Prior knowledge of cellular biology, anatomy, and physiology is essential for the study of pathophysiology.

Prerequisite: Successful completion of BIO 2101 (grade C or better) and Successful completion of or concurrent enrollment in BIO 2102 (grade C or better).

BIO 2175 - Special Topics
0-12 Credit hours 15-90 Contact hours

Covers a specific topic within Biology as determined by the instructor. Reflects the special expertise of the faculty and/or special needs of the students.

BUS - Business Courses

BUS 1015 - Introduction to Business
3 Credit hours 45 Contact hours

Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.

BUS 1016 - Personal Finance
3 Credit hours 45 Contact hours

Surveys the basic personal finance needs of most individuals and introduces the personal finance tools useful in planning and instituting a successful personal financial philosophy. The course emphasizes the basics of budgeting, buying, saving, borrowing, career planning, investing, retirement planning, estate planning, insurance, and income taxes.

BUS 1017 - Business Writing
1 Credit Hour 15 Contact Hours

Focuses on effective business messages, business reports, visual graphics, electronic presentations, and proofreading.

BUS 1021 - Basic Workplace Skills
1 Credit hour 15 Contact hours

Focuses on personal and workplace skills necessary for successful performance. This course introduces project management principles necessary to effectively lead and implement a project.

BUS 1081 - Internship
0-12 Credit hours Contact hours vary

Provides students with hands-on training in their career field. Occurs in a business setting arranged through a Student Work Experience (SWE)/Internship Coordinator, or by utilizing a current employment organization. Student is expected to work a minimum of 7.5 hours per week. Students attend 3 seminars during the semester of enrollment. Class utilizes cooperative work experience or project methods depending on the individual situation.

Prerequisite: Department approval.

BUS 2001 - Business Logistics Optimization
3 Credit hours 45 Contact hours

Addresses and explores the principles of business logistics and optimization, utilizing database management systems and software. Students will construct and evaluate models of business systems for transportation, fleet and asset tracking, distribution and supply, and warehousing. Emphasizes decision analysis for logistics efficiency.

BUS 2002 - Business Purchasing, Supply, and Sourcing Logistics
3 Credit hours 45 Contact hours

Assesses the skills and abilities needed for the processes and activities for sourcing materials necessary for a business to deliver goods and services. An emphasis on the ability to formulate and manage the sourcing activities of purchasing supply, and sourcing logistics. The skills and fundamental comprehension for evaluating the sourcing of materials will be applied to business processes. Emphasizes decision analysis for logistics efficiency of purchasing, supply and sourcing.

BUS 2016 - Legal Environment of Business
3 Credit hours 45 Contact hours

Emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role of law in social, political, and economic change business environments.

BUS 2017 - Business Communication and Report Writing
3 Credit hours 45 Contact hours

Emphasizes effective business writing and covers letters, memoranda, reports, application letters, and resumes. Includes the fundamentals of business communication and an introduction to international communication.

BUS 2026 - Business Statistics
3 Credit hours 45 Contact hours

Focuses on statistical study, descriptive statistics, probability, the binominal distribution, index numbers, time series, decision theory, confidence intervals, linear regression, and correlation. Intended for business majors.

CAD - Computer Assisted Drafting Courses

CAD 2220 - Revit Architecture
3 Credits 45 Contact Hours

Introduces students to the AutoDesk Revit Architecture software. Examines the Building Information Modeling approach to 2D and 3D architectural construction documents. Covers the creation of floorplans, elevations, sections, 3D models, perspective renderings and walkthroughs with this software application.

Prerequisite: Successful completion of MAT 1340 or higher (grade C or better) or qualifying assessment scores (Next Generation Accuplacer NGAF 280+, S12 620+, ACT Math 25+).

CAD 2450 - SolidWorks Basics
6 Credit hours 90 Contact hours

Introduces fundamental skills and concepts of SolidWorks software. This course emphasizes the design process and takes a task-based approach to training processes to apply commands, options, and menus necessary to complete a design task.

CAD 2451 - SolidWorks Intermediate
6 Credit hours 90 Contact hours

Teaches the student to apply intermediate SolidWorks applications to produce parametric models of parts and assemblies.

Prerequisite: Successful completion of CAD 2450 (grade C or better).

CAD 2455 - SolidWorks/Mechanical
3 Credit hours 45 Contact hours

Introduces parametric feature-based solid modeling 3D concepts to build confidence in 3D thinking and progresses to three-dimensional parameters. This course provides instruction on how to construct, modify, and manage complex parts in 3D space as well as to produce 2D drawings from the 3D models.

CHE - Chemistry Courses

CHE 1011 - Introduction to Chemistry I with Lab (GT-SC1)
5 Credit hours 90 Contact hours

Includes the study of measurements, atomic theory, chemical bonding, nomenclature, stoichiometry, solutions, acid and base, gas laws, and condensed states. Laboratory experiments demonstrate the above concepts qualitatively and quantitatively. Designed for non-science majors, students in occupational and health programs, or students with no chemistry background. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English and College Readiness in Quantitative Math (see Glossary for more detail).

CHE 1111 - General College Chemistry I with Lab (GT-SC1)
5 Credit hours 105 Contact hours

Focuses on basic chemistry and measurement, matter, chemical formulas, reactions and equations, stoichiometry. This course covers the development of atomic theory culminating in the use of quantum numbers to determine electron configurations of atoms, and the relationship of electron configuration to chemical bond theory. The course includes gases, liquids, and solids and problem-solving skills are emphasized through laboratory experiments. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English AND Successful completion of CHE 1011 (grade C or better) or one year of high school chemistry AND MAT 1340 or higher (grade C or better) or qualifying assessment scores.

CHE 1112 - General College Chemistry II with Lab (GT-SC1)
5 Credit hours 105 Contact hours

Presents concepts in the areas of solution properties, chemical kinetics, chemical equilibrium, acid-base and ionic equilibrium, thermodynamics, intermolecular forces, and electrochemistry. This course emphasizes problem solving skills and descriptive contents for these topics. Laboratory experiments demonstrate qualitative and quantitative analytical techniques. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of CHE 1111 AND MAT 1340 or higher (grade C or better).

CHE 2111 - Organic Chemistry I with Lab
5 Credit hours 105 Contact hours

Focuses on compounds associated with the element carbon including structure and reactions of aliphatic hydrocarbons and selected functional group families. The course covers nomenclature of organic compounds, stereochemistry, and reaction mechanisms such as SN1, SN2, E1 and E2. Laboratory experiments demonstrate the above concepts plus the laboratory techniques associated with organic chemistry.

Prerequisite: Successful completion of CHE 1112 (grade C or better).

CHE 2112 - Organic Chemistry II with Lab
5 Credit hours 105 Contact hours

Explores the chemistry of carbon-based compounds, their reactions and synthesis including the structure, physical properties, reactivities, and synthesis of organic functional groups not covered in Organic Chemistry I. The course explores functional groups including alcohols, ethers, aromatics, aldehydes, ketones, amines, amides, esters, and carboxylic acids and the reactions and reaction mechanisms of aromatic compounds. An introduction to biochemical topics may be included if time permits. Laboratory experiences demonstrate the above concepts and the laboratory techniques associated with organic chemistry.

Prerequisite: Successful completion of CHE 2111 (grade C or better).

CIS - Computer Information Systems Courses

CIS 1015 - Introduction to Computer Information Systems
3 Credit hour 45 Contact hours

Provides an overview of computer information systems and their role in society. This course emphasizes terminology and the identification of computer components and systems used in personal and business environments. This course discusses the evaluation of systems and measures that can be applied to protect them.

CIS 1018 - Introduction to PC Applications
3 Credit hour 45 Contact hours

This course introduces basic computer terminology, file management, and PC system components. Provides an overview of office application software including word processing, spreadsheets, databases, and presentation graphics. Includes the use of a web browser to access the Internet.

CIS 1028 - Introduction to Operating Systems
3 Credit hour 45 Contact hours

Introduces the purpose, function, and configuration of an operating system. Skills covered will include the ability to write scripts, modify configurations, modify environment settings, and configure interfaces.

CIS 1035 - Complete PC Word Processing (Word)
3 Credit hour 45 Contact hours

Introduces basics of word processing software to create, edit, format, and print documents as well as advanced features to enhance documents. This course includes working with images, creating/using styles, formatting multi-page documents using advanced features of headers/footers and section breaks, integrating software to create and format tables and charts, using mail merge, and creating documents with columns.

CIS 1045 - Introduction to Desktop Database
3 Credit hour 45 Contact hours

Explores an array of database skills. Includes table, query, form, and report creation and modification. Also includes application integration.

CIS 1055 - PC Spreadsheet Concepts (Excel)
3 Credit hour 45 Contact hours

Introduces basic to advanced features of spreadsheet software to design and create accurate, professional worksheets for use in business and industry. The course includes entering data, creating formulas, professional formatting, creating charts, creating, sorting and filtering tables, creating and using templates, applying built-in functions, creating pivot tables, applying "what-if analysis" with data tables, creating macros, and using solver features.

CIS 1065 - Complete Presentation Graphics (Power Point)
3 Credit hour 45 Contact hours

Focuses on the development of presentation graphics materials including graphs, charts, illustrations, and diagrams. Emphasizes effective communication through computerized presentations. Covers features of the software and effective presentation techniques.

CIS 2002 - Automated Project Management: MS Project
3 Credit hour 45 Contact hours

Provides an in-depth exploration of project management concepts and techniques. Uses software to automate project management processes. Emphasizes critical thinking, goal setting, and communication with team members, management, and customers. Real-world scenarios will be used to create task lists, assign and level resources, and modify project files. GANTT charts, critical path methodology, PERT, project tracking and reporting will be utilized in the management of projects.

Prerequisite: Successful completion of CIS 1018 OR CIS 1028 OR (CIS 1035 AND CIS 1055) (grade C or better).

CIS 2003 - Technology for Career Success
2 Credit hour 30 Contact hours

Prepare students to transition into a career. This course will provide students with resources for career development and tools to succeed in a competitive labor market. Offers students an opportunity to build an employment focused electronic portfolio in preparation for career growth and lifelong learning after completing their program of study.

CIS 2023 - Linux
3 Credit hours 45 Contact hours

Introduces students to the concepts of installing, configuring, and managing the Linux operating system. Topics covered include working with various desktops, use of filesystem commands, and management of user and group permissions.

CIS 2043 - Introduction to SQL
3 Credit hour 45 Contact hours

Introduces Structured Query Language (SQL) including creation of database structures and how to store, retrieve, and manipulate data in a relational database. This course also covers creating tables and views, using indexes, and developing stored procedures and triggers.

CIS 2063 - PC Help Desk Skills
3 Credit hour 45 Contact hours

Enables students to understand and develop appropriate help-desk techniques. Includes roles of help-desk personnel and how to troubleshoot hardware and software problems.

CIS 2067 - Management of Information Systems
3 Credit hour 45 Contact hours

Introduces the concepts and techniques of managing computer-based information resources. Includes hardware, software, personnel, control techniques, and the placement and integration of information systems resources within the organization.

CIS 2068 - Systems Analysis and Design I
3 Credit hours 45 Contact hours

Introduces the student to the materials, techniques, procedures, and human interrelations involved in developing computer information systems. Includes the systems approach, fact gathering techniques, forms design, input/output, file design, file organization, various charting techniques, system audits on controls, project management, implementation, and evaluation.

CIS 2080 - Internship
3 Credit hours 45 Contact hours

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Prerequisite: Department Approval Required.

CIS 2089 - Capstone
0-12 Credit hours 0-180 Contact hours

Serves as the capstone course for CIS majors. Incorporates projects that allow students to develop advanced techniques and assemble information from different courses. Most projects will include the creation of interactive application programs for the non-computer user and require research beyond the classroom to prepare the student for entry level employment in a variety of situations.

Prerequisite: Department approval Required.

CNG - Computer Networking Technology Courses

CNG 1001 - Network Fundamentals
3 Credit hours 45 Contact hours

Introduces network fundamentals using the OSI (Open Systems Interconnection) model and TCP/IP (Transmission Control Protocol/Internet Protocol) suite, fundamentals of Ethernet, IP addressing, and building simple LANs (Local Area Networks).

CNG 1021 - Computer Technician I A+
4 Credit hours 60 Contact hours

Provides students with an in-depth look at personal computer hardware, introduces networking concepts, and covers operational procedures and troubleshooting, all of which are necessary for a successful entry-level computer service technician position. Provides extensive hands-on work with computer systems, PC setup and configuration, and basic maintenance and troubleshooting. This course helps prepare you for the first CompTIA A+ Exam.

Corequisite: CNG 1022.

CNG 1022 - Computer Technician II A+
4 Credit hours 60 Contact hours

Provides students with an in-depth look at desktop and mobile Operating System support, maintenance, and troubleshooting, and an overview of security concepts, and interpersonal skills, all of which are necessary for a successful entry-level computer service technician position. Provides extensive hands-on work with current operating systems, including using common GUI and command line tools, registry editing, system backup and recovery, and advanced troubleshooting. This course helps prepare you for the second CompTIA A+ Exam.

Prerequisite: Successful Completion of or concurrent enrollment in CNG 1021 (grade of C or better).

CNG 1024 - Networking I: Network +
3 Credit hours 45 Contact hours

Provides students with the knowledge necessary to understand, identify and perform necessary tasks involved in supporting a network. Covers the vendor-independent networking skills and concepts that affect all aspects of networking, such as installing and configuring the TCP/IP. This course also prepares students for the Networking II: Network + course.

CNG 1031 - Principles of Information Assurance
3 Credit hours 45 Contact hours

Provides skills and knowledge required to survey key issues associated with protecting information assets, determine the levels of protection and response to security incidents, and design a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. Students learn to inspect and protect information assets, detect and react to threats to information assets, and examine pre- and post-incident procedures, and technical and managerial responses. Students learn about information security planning and staffing functions.

CNG 1032 - Network Security Fundamentals
3 Credit hours 45 Contact hours

Delivers a comprehensive overview of network security, including general security concepts. Communication Security is studied, including remote access, e-mail, the Web, directory and file transfer, and wireless data. Common network attacks are introduced. Cryptography basics are incorporated, and operational/organizational security is discussed as it relates to physical security, disaster recovery, and business continuity. Computer forensics is introduced.

Prerequisite: Successful completion of or concurrent enrollment in CNG 1001 or CNG 1024 (grade C or better).

CNG 1042 - Introduction to Cloud Computing
3 Credit hour 45 Contact hours

Introduces fundamental content on cloud computing including system analysis, requirements, configuration, deployment, and testing. This course includes information on management, business continuity, security, maintenance, updating, and troubleshooting as related to cloud computing.

CNG 2001 - Linux Configuration
3 Credit hours 45 Contact hours

Install a Linux operating system (OS). Configure and manage OS using command line interface (CLI) and text editor. Topics include installation and configuration of updates, services, file system, users and groups, file and folder permissions, networking, and remote access.

CNG 2011 - Windows Configuration
3 Credit hours 45 Contact hours

Provides students with the knowledge and skills necessary to address the implementation and desktop support needs of customers who are planning to deploy and support Microsoft Windows Client OS in a variety of network operating system environments.

Prerequisite: Successful completion of CNG 1001 OR CNG 1024 (grade C or better).

CNG 2056 - Vulnerability Assessment I
3 Credit hours 45 Contact hours

Presents students with an introduction to vulnerability assessment. Vulnerability assessment skills are necessary to understand how companies address vulnerabilities in the business environment. Students gain a better understanding of how information technology security integrates into the corporate world and how a balance must be achieved between security and functionality.

Prerequisite: Successful completion of CNG 1032 (grade C or better).

CNG 2057 - Network Defense and Counter Measures
3 Credit hours 45 Contact hours

Examines the tools, techniques and technologies used in the technical securing of information assets. This course provides in-depth information of the software and hardware components of Information Security and Assurance. Topics include firewall configurations, hardening Unix and NT servers, Web and distributed systems security and specific implementation of security modes and architectures. The curriculum maps to the Security Certified Network Professional (SCP) Network Defense and Countermeasures exam.

Prerequisite: Successful completion of CNG 1032 (grade C or better).

CNG 2060 - CISCO Network Associate I
5 Credit hours 75 Contact hours

Meets the requirements of the first course in the Cisco Certified Network Associate, CCNA curriculum; introducing the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of Internet Protocol - (IP) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum.

Prerequisite: Successful completion of or concurrent enrollment in CNG 1001 OR CNG 1024 (grade C or better). .

CNG 2061 - CISCO Network Associate II
5 Credit hours 75 Contact hours

Meets the requirements of the second course in the Cisco Certified Network Associate - CCNA curriculum focusing on switching technologies and router configurations and operations that support small-to-medium business networks, including wireless local area networks (WLANs) and security concepts.

Prerequisite: Successful completion of or concurrent enrollment in CNG 2060 (grade C or better).

CNG 2062 - CISCO Network Associate III
5 Credit hours 75 Contact hours

Explores the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. This course is the final course in the Cisco Certified Network Associate (CCNA) curriculum. The course emphasizes network security concepts and introduces network virtualization and automation.

Prerequisite: Successful completion of or concurrent enrollment in CNG 2061 (grade C or better).

COM - Communication Courses

COM 1150 - Public Speaking
3 Credit hours 45 Contact hours

Combines the basic theories of communication with public speech performance skills. Emphasis is on speech preparation, organization, support, audience analysis, and delivery.

COM 1250 - Interpersonal Communication (GT-SS3)
3 Credit hours 45 Contact hours

Examines the communication involved in interpersonal relationships occurring in family, social, and career situations. Relevant concepts include self-concept, perception, listening, nonverbal communication, and conflict. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

COM 1260 - Communication in Healthcare
3 Credit hours 45 Contact hours

Covers interactive concerns in settings related to patient-client care. This class includes discussions of diverse cultures, client interaction, and family/caregiver issues. The course addresses the concerns of attitude,

office politics, teamwork, self-initiative, and conflict management as specifically experienced in the patient-as-client setting.

COM 1300 - Communication and Popular Culture (GT-AH1)
3 Credits hours 45 Contact hours

Introduces four key theoretical models for examining popular culture: Narrative Theory, Rhetorical Theory, Gender Theory, and Critical Race Theory. Emphasis is on popular American media texts, including books, comics/graphic novels, films, music, and television. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

COM 2060 - Listening in a Workplace Communication Setting
1 Credit hour 15 Contact hours

Focuses on understanding and developing high-level listening skills. Through lecture and interactive exercises, students learn the fundamentals of effective listening.

COM 2062 - Communicating With Impossible People
1 Credit hour 15 Contact hours

Introduces participants to concepts regarding communication with "impossible" people and techniques to deal with them more effectively. Emphasizes active participation in skill-building activities.

COM 2063 - Conflict Resolution
1 Credit hour 15 Contact hours

Focuses on handling conflict productively. Students gain insights into the roots of conflict and engage in skill practice in mediating interpersonal conflicts. The emphasis is on conflict prevention.

COM 2064 - Negotiation
1 Credit hour 15 Contact hours

Focuses on protecting your interests and those of others while preserving relationships. Examines role-playing and other dynamic techniques and incorporates negotiation skills for personal and professional situations.

COM 2065 - Effective Presentations
1 Credit hour 15 Contact hours

Focuses on effective presentation skills used in professional settings including conferences, briefings, training sessions, and sales presentations. Emphasizes formats, strategies, and presentation tips and enables the student to develop and practice these skills.

COM 2066 - Decision Making
1 Credit hour 15 Contact hours

Focuses on increasing understanding of personal and professional decision-making strategies. Covers a variety of decision-making strategies.

COM 2068 - Problem-Solving
1 Credit hour 15 Contact hours

Focuses on solving problems in our personal and professional lives and developing the ability to think and act creatively in responding to a variety of situations. Introduces several different perspectives for group and individual problem solving and explores real situations and simulations.

COM 2080 - Internship
3 Credit hours 135 Contact hours

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Prerequisite: Department permission.

COM 2180 - Oral Interpretation
3 Credit hours 45 Contact hours

Exposes the student to the artistic, interpretive, and communicative potential to be found in the reading and performance of great literature and rhetoric such as is found in prose, poetry, drama.

COM 2220 - Group Communication (GT-SS3)
3 Credit hours 45 Contact hours

Examines group communication theories with an emphasis on leadership and group behaviors. The course provides opportunities for group participation. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

COM 2250 - Organizational Communication
3 Credit hours 45 Contact hours

This course focuses on the role of communication theory and skills as they apply to business and organizational settings. Topics include organizational and leadership models, effective communication skills with peers, superiors, and subordinates, environmental factors impacting communication, and interviewing skills.

COM 2300 - Intercultural Communication (GT-SS3)
3 Credit hours 45 Contact hours

Explores the link between culture and communication and will develop and/or enhances communication skills and the abilities appropriate to a multicultural society. Emphasis will be on understanding diversity within and across cultures. Relevant concepts include perception, world view, context, ethics, language, and nonverbal communication. This course is a part of the Statewide Guaranteed Transfer courses.

CRJ - Criminal Justice Courses

CRJ 1010 - Introduction to Criminal Justice (GT:SS3)
3 Credit hours 45 Contact hours

Introduces students to the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization, perspectives and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies, and current criminal justice issues are examined. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

CRJ 1025 - Policing Systems
3 Credit hours 45 Contact hours

Examines policing in the United States, including: historical foundations, emerging issues, and the relationship between law enforcement and the community. The various types of law enforcement agencies, their administrative practices, and the behavior of those involved in the delivery of police services are examined from the perspective of democratic values, racial and ethnic diversity, and societal perceptions of police effectiveness. Career requirements, including current and future trends, are also presented.

CRJ 1027 - Crime Scene Investigation
3 Credit hours 45 Contact hours

Focuses on basic procedures in crime scene management to include photography and preparing initial reports and sketches. Includes processing evidence and related criminalistic procedures. Covers interviewing suspects, witnesses and victims to include the recording of identifications and descriptions. Incorporates lab and lecture.

Warning: This class may expose students to extremely graphic images of authentic crime scenes; lectures may include detailed descriptions and photo work of homicides and other crimes of violence.

CRJ 1035 - Judicial Function
3 Credit hours 45 Contact hours

Provides an overview of the structure and function of the dual American judicial system and the behavior of actors (judges/justices, lawyers, law clerks, interest groups, etc.) within the system. Emphasis is placed on the organization and administration of state and federal courts, criminal court procedures, juries, selection of judges, decision-making behavior of juries, judges and justices, and the implementation and impact of judicial policies

CRJ 1045 - Correctional Process
3 Credit hours 45 Contact hours

Examines the history of corrections in America from law enforcement through the administration of justice, probation, prisons, correctional institutions, and parole. This course examines the theories, rationales for punishment, and the political system in which corrections, as a component part of the criminal justice system, needs to operate. The course emphasizes legal, sociological, psychological, and other interdisciplinary approached that effect the operation of a correctional system.

CRJ 2005 - Principles of Criminal Law
3 Credit hours 45 Contact hours

Focuses on common law and statutory law crimes, the Model Penal Code, elements defining crimes and penalties, defenses to criminal accusations, and definitions and distinctions between criminal and civil law.

CRJ 2009 - Criminal Investigation I
3 Credit hours 45 Contact hours

Covers the function of the preliminary investigation at a crime scene to include securing the scene, crime scene searchers, police drawings, and recognition and collection of evidence.

CRJ 2010 - Constitutional Law
3 Credit hours 45 Contact hours

Focuses on the powers of government as they are allocated and defined by the United States Constitution. Includes intensive analysis of United States Supreme Court decisions.

CRJ 2020 - Human Relations and Social Conflicts
3 Credit hours 45 Contact hours

Highlights the environmental, organizational, and socio-psychological dimensions of social control. Includes the study of individual attitudes, beliefs, and behavior involved in role conflicts, community relations, and conflict management in the social structure.

CRJ 2030 - Criminology
3 Credit hours 45 Contact hours

Provides an introduction to the study of crime, understanding the causes of crime, and examines, theoretical frameworks and theories to explain criminal behavior. Examination of the nature of crime, crime victimization, crime patterns, types of crime, crime statistics, and criminal behavior is also included.

CRJ 2031 - Introduction to Forensic Science and Criminalistics
3 Credit hours 45 Contact hours

Exploration of the fundamentals of forensic science that are essential for gathering evidence at the crime scene and analyzing it in the crime laboratory.

CRJ 2036 - CRJ Research Methods
3 Credit hours 45 Contact hours

Focuses on the formulation of research questions covering crime and justice, research designs, data collection, and the interpretation and reporting of these data in criminological and justice-system settings. Course content also includes experimental and non-experimental research designs, probability and non-probability sampling techniques, and construction of scales and indexes for research purposes.

CRJ 2057 - Victimology
3 Credit hours 45 Contact hours

Demonstrates to the student the role the crime victim plays in the criminal justice system. The traditional response that a crime victim receives from the system will be studied and the psychological, emotional and financial impact these responses have on victimization will be analyzed.

CRJ 2068 - Criminal Profiling
3 Credit hours 45 Contact hours

Examines the theories of crime causation in relationship to criminal profiling. Studies include the investigation of serial killers, their motivations, behaviors, and identification of psychological and sociological explanations related to criminal acts.

CRJ 2075 - Special Topics
1-12 Credit hours 15-270 Contact hours

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

CRJ 2080 - Internship
1-12 Credit hours ; 15-270 Contact hours

Provides placement in the criminal justice field to integrate theory with practice.

Prerequisite: Department Approval Required.

CRJ 2085 - Independent Study
1-12 Credit hours 15-270 Contact hours

This course meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.

Prerequisite: Department Approval Required.

CRJ 2086 - Directed Studies
1-12 Credit hours 15-270 Contact hours

Focuses on an independent project designed to enhance the student's ability by concentrating on an assignment more complex than that achieved in a classroom setting.

Prerequisite: Department Approval Required.

CSC - Computer Science Courses

CSC 1019 - Introduction to Programming
3 Credit hours 45 Contact hours

Focuses on a general introduction to computer programming. This course emphasizes the design and implementation of structured and logically correct programs with good documentation. It is centered on basic programming concepts, including control structures, modularization, and data processing. A structured programming language is used to implement program designs. It emphasizes the writing of multiple programs following the software development process, from start to finish, including design, implementation, and testing.

CSC 1060 - Computer Science I: (C++)
4 Credit hours 60 Contact hours

Introduces students to the discipline of computer science and programming. Algorithm development, data representation, logical expressions, sub-programs and input/output operations using a high-level programming language are covered. Intensive lab work outside of class time is required.

Prerequisite: Successful completion of CSC 1019 OR successful completion of or concurrent enrollment in MAT 1340 or higher (grade C or higher).

CSC 1061 - Computer Science II: (C++)
4 Credit hours 60 Contact hours

Continues algorithm development and problem solving techniques not covered in Computer Science I using a high-level programming language. Students are able to gain experience in the use of data structures and the design and implementation of larger software projects. Intensive computer laboratory experience is required for this course.

Prerequisite: Successful completion of CSC 1060 (grade C or higher).

CSC 2025 - Computer Architecture/Assembly Language Programming
4 Credit Hours 60 Contact Hours

Covers how a computer operates and the relationship between machine code and the primary computer components. The course explores the design of the processor, registers, memory, and various types of storage. Assembly language is used for computer processes commands and how programming languages use memory addresses. Overview of architecture that is in development will be discussed.

Prerequisite: Successful completion of or concurrent enrollment in CSC CSC 1061 (grade C or better).

CSC 2036 - Introduction to C# Programming
4 Credit hours 60 Contact hours

Introduces the C# programming language. This covers all syntactical components of the language, including arrays, structures, methods and classes. Content will focus on writing clear, properly structured, and well-documented programs using object-oriented methodology, .NET Framework, and the Visual Studio environment.

Prerequisite: Successful completion of CSC 1060 (grade C or higher).

CSC 2037 - Advanced C# Programming
4 Credit hours 60 Contact hours

Focuses on advanced features of the C# programming language and .NET Framework by having students write complex Windows Applications. The relationships between C# and the .NET Platform and Framework are explored. Students will develop clear, properly structured, and well-documented C# programs that emphasize writing and utilize classes as abstract data types, collections, inheritance, and generics.

Prerequisite: Successful completion of CSC 2036 (grade C or higher).

CSC 2065 - Discrete Structures
4 Credits 60 Contact Hours

Prepares students for a fundamental understanding of computing and computer science. Includes set theory, boolean algebra, relations, functions, graph theory and techniques for formal reasoning.

Prerequisite: Successful completion of or concurrent enrollment in CSC 1061 (grade C or better).

CSL - Counseling Courses

CSL 2046 - Ethical Practice in Addiction Treatment
1 Credit hour 15 Contact hours

This course focuses on professional and ethical issues specific to the practice of addiction counseling. Will prepare students to make informed decisions according to the National Association for Alcoholism and Drug Abuse Counselor's (NAADAC's) Code of Ethics, following federal and state rules and regulations in the practice of addiction counseling and treatment of co-occurring disorders. This course meets the requirements per Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

CSL 2048 - Advanced Case Conceptualization and Documentation
1 Credit hour 15 Contact hours

This course examines the components of clinical assessment, including biopsychosocial interviews, assessing risk, identifying cultural needs and supports, problem domains, and determining stage of readiness for change. The course covers the Diagnostic and Statistical Manual of Mental Disorders (DSM) current edition diagnostic criteria and American Society of Addiction Medicine (ASAM) patient placement criteria to determine the appropriate level of care. It presents screening and assessment tools, documentation requirements, and service planning. This course meets the requirements per Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

Prerequisite: Successful completion of CSL 2061 (grade C or better).

CSL 2050 - Motivational Interviewing I
1.5 Credit hours 22.5 Contact hours

This course explores the evidence-based and client-centered Motivational Interviewing (MI) framework with a focus on collaborative conversation designed to strengthen a person's motivation for and commitment to change. The course covers how to identify client readiness, willingness, and ability to make changes. This course meets the requirements of Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

Prerequisite: Successful completion of CSL 2068 (grade C or higher).

CSL 2051 - Pharmacology I for Addiction Counselors
1 Credit hour 15 Contact hours

This course provides a solid base of knowledge about the drugs of abuse including the impact on human physiology and behaviors. It focuses on pharmacology as a cornerstone of addiction counseling and a major part of what differentiates the professional field of addiction counseling from other mental health disciplines. This course meets the requirements of Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

CSL 2052 - Advanced Pharmacology
1 Credit hour 15 Contact hours

This course explores the neurobiological basis of addiction and how addictive drugs produce neurochemical changes in the brain's reward pathway. Topics include the action of neurotransmitters, brain regions affected by drug abuse, medication-assisted treatment, and the impact of substance use on cognitive and psychosocial functioning. Emphasis is placed on understanding addiction as a medical brain disease and applying this knowledge to client-centered treatment planning. This course meets the requirements per Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.Notes: All Behavioral Health Administration (BHA) Certified

Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

Prerequisite: Successful completion of CSL 2051 (grade of C or better).

CSL 2053 - Cognitive Behavior Therapy
1 Credit hour 15 Contact hours

This course focuses on Cognitive-behavioral therapy (CBT) as a treatment approach to addiction. It emphasizes an evidence-based, flexible, and individualized approach that can be adapted to a wide range of clients and a wide range of treatment settings and formats. This course meets the requirements of Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

CSL 2054 - Trauma Informed Care
1 Credit hours 15 Contact hours

This course introduces the concept of trauma-informed care and defines ways in which a traditional treatment setting can be modified to increase an individual's sense of safety. It explores the relationship between trauma, post-traumatic stress disorder (PTSD), traumatic brain injury (TBI), and substance use disorders. Emphasis is on incorporating trauma-informed practices into substance use disorder treatment with diverse populations. This course meets the requirements per Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

CSL 2055 - Infectious Diseases for Addiction Counselors
1 Credit hour 15 Contact hours

This course focuses on how substance use can increase susceptibility to contract and spread infectious diseases, including Sexually Transmitted Infections (STIs), Sexually Transmitted Diseases (STDs), and other blood borne illnesses. The course explores impacts of ongoing substance use and Substance Use Disorders (SUDs) on physical health and risk-taking behaviors, as well as assessments, treatment considerations, and referral recommendations. This course meets the requirements per the Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic, and socioeconomic diversity.

CSL 2056 - Co-occurring Disorders
1 Credit hour 15 Contact hours

This course explores the prevalence, diagnostic criteria, and treatment of co-occurring mental health and substance use disorders (SUDs). It examines the bidirectional relationship between these disorders and the difficulty in diagnosis and treatment. The course introduces the current edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM) diagnostic criteria for mental disorders commonly co-occurring with SUDs and reviews changes to SUD diagnosis. This course meets the requirements per Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

CSL 2058 - Group Counseling Skills
1.5 Credit hours 22.5 Contact hours

This course explores the use of group therapy in the addiction treatment field and develops skills necessary to facilitate psychoeducational and therapy groups. It covers models, types, structure, content, process, and leadership skills. The course integrates motivational interviewing techniques and strategies into the group process. There is an emphasis on experiential learning, presentations of case studies, and practice facilitating groups with real-world scenarios. This course meets the requirements per Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

Prerequisite: Successful completion of CSL 2068 (grade C or higher).

CSL 2059 - Advanced Professional and Ethical Practice
1 Credit hour 15 Contact hours

This course explores organizational, provider, and private practice ethics, practices, and guidelines. The course addresses licensing rules, regulations, and practice standards and guidelines. It examines professional competencies, boundaries, ethical relationships, reporting violations, and supervision. The course emphasizes ethical delivery of culturally-responsive and trauma-informed care. It builds on the Ethical Practice in Addiction Treatment training and clinical supervision trainings. This course meets the requirements per Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

Prerequisite: Successful completion of CSL 2046 (with a grade of C or better).

CSL 2061 - Case Conceptualization and Documentation
1 Credit hour 15 Contact hours

This course explores the clinical and legal importance of comprehensive documentation in addiction counseling, including intake, assessment, service planning, and progress notes. Emphasizes the use of standardized forms, the American Society of Addiction Medicine (ASAM) patient placement criteria, and adherence to confidentiality regulations. Highlights the connections between documentation and effective, integrated treatment delivery. This course meets the requirements of Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic, and socioeconomic diversity.

CSL 2065 - Culturally Informed Treatment
1 Credit hours 15 Contact hours

This course explores the role of culture in addiction counseling, emphasizing cultural competence, awareness, and sensitivity. It covers cultural identities, privilege, age, gender, sexual orientation, and spirituality. Additionally, it presents the impact of culture on substance use and treatment, disparities in accessing care, and culturally appropriate interventions. It examines personal biases and beliefs, and how they influence counseling diverse populations. This course meets the requirements of Behavioral Health Administration (BHA) for the Certified

Addiction Counseling (CAC) clinical training program.Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

CSL 2068 - Addictions Counseling Skills
1.5 Credit hours 22.5 Contact hours

This course explores a framework and counseling model for working with individuals with substance misuse and addiction. The course focuses on the development of the counseling skills needed to assist individuals in processing their information and experiences to move toward the change process. This course utilizes client-centered models, counselor-directed therapy along with motivational spirit of counseling. This course meets the requirements per the Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic, and socioeconomic diversity.

CSL 2069 - Principles of Addiction
1.5 Credit hours 22.5 Contact hours

This course focuses on models of addiction, defines addiction treatment, presents the National Institute on Drug Abuse (NIDA) principles of effective treatment approaches, outlines various types of addiction treatment and the use of evidence-based treatment approaches, and the competencies required and professional readiness of an addiction counselor. This course meets the requirements per the Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program. Notes: All Behavioral Health Administration (BHA) Certified Addiction Counselor (CAC) courses seek to enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic, and socioeconomic diversity.

CSL 3028 - Treating Diverse Populations
2 Credit hours 30 Contact hours

Explores the diverse populations in addiction treatment, including gender-specific, criminal justice-involved, families, LGBTQIA, veterans, and those affected by the opioid epidemic. The course examines the impact of race, ethnicity, and culture on treatment effectiveness. This course presents definitions and principles related to microaggressions, systemic racial injustice, social justice, and multicultural and social justice counseling. This course meets the requirements per Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.

CSL 3030 - Advanced Models in Addiction Treatment
1 Credit hour 15 Contact hours

An overview of specialized counseling models for behavioral health environments that offer co-occurring mental health and addiction interventions. It focuses on teaching the structure, purpose, appropriate population, and practice details of each model to equip clinical supervisors with the knowledge required to provide adequate support and supervision for these models. This course meets the requirements per the Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.

CSL 3050 - Advanced Motivational Interviewing
2 Credit hours 30 Contact hours

Covers intensive skill development training in Advanced Motivational Interviewing (MI), focusing on assisting clients in identifying and strengthening intrinsic motivation for positive change. This course offers a brief review of the fundamental spirit, principles, and skills of MI, followed by interactive and experiential learning to develop and practice advanced MI skills. This course meets the requirements per the Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.

Prerequisite: Successful completion of CSL 2050 or higher (grade C or better).

CSL 4020 - Clinical Supervision I
2 Credit hours 30 Contact hours

Introduces the foundational concepts and practices of clinical supervision in addiction counseling, including the purpose and value of clinical supervision, its historical development, and roles and models of supervision. This course explores cultural and contextual factors, ethical and legal issues, and performance evaluation, while emphasizing the core competencies for addiction counseling and skills needed for effective supervision in an integrated behavioral health and primary care setting. This course meets the requirements per the Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.

Prerequisite: Successful completion of CSL 2068, CSL 2058, CSL 2050, and CSL 3050 (grade C or better).

CSL 4021 - Clinical Supervision II
2 Credit hours 30 Contact hours

Focuses on clinical and service provider supervisors and acquired motivational interviewing (MI) skills, and explores observation and coaching strategies of skills. The course covers MI interview rating systems, general interview rating etiquette, using feedback, guidelines for MI supervision, coding to enhance clinical supervision, implementation, and integrating MI and clinical supervision into various settings. This course meets the requirements per the Behavioral Health Administration (BHA) for the Certified Addiction Counseling (CAC) clinical training program.

Prerequisite: Successful completion of CSL 4020 (grade C or better).

CWB - Computer Web Based Courses

CWB 1010 - Complete Web Authoring (HTML)
3 Credit hours 45 Contact hours

Explores the complete set of web authoring skills using HTML and/or other languages. The course covers links, backgrounds, controlling text and graphic placement, tables, image maps and forms.

CWB 2005 - Client-side Scripting
3 Credit hours 45 Contact hours

Explores the client-side programming skills necessary to create dynamic Web content using a markup embeddable and procedural scripting language executing on the client Web browser.

Prerequisite: Successful completion of CWB 1010 AND CSC 1019 (grade C or higher).

DPM - Diesel Power Mechanics Courses

DPM 1000 - Introduction to Diesel Mechanics
2 Credit hours 30 Contact hours

Focuses on the student identifying and describing the many different types of diesel powered vehicles. Emphasis is placed on being able to research information in maintenance manuals and parts manuals along with demonstration of their abilities in properly identifying and select mechanical fasteners for a particular application. Specific coverage of precision fasteners, fuels, fluids as they relate to the diesel industry.

Prerequisite: Successful completion of DPM 1001 (grade C or higher).

DPM 1001 - Diesel Shop Orientation
2 Credit hours 30 Contact hours

Focuses on maintaining a safe and clean working heavy duty diesel shop. Emphasis is placed on the proper use and care for hand, electric, air and hydraulic tools safely. Covers how to clean equipment properly, to handle and dispose of hazardous materials correctly, and to apply mandated regulations. Emphasis is also placed on proper lifting equipment.

DPM 1003 - Diesel Engines I
4 Credit hours 67.5 Contact hours

Covers the theory and operation of diesel engines with emphasis on cylinder heads, valve train diagnosis, and repair. This course introduces the cooling system's importance in diagnosis and repair. This course meets Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards.

Prerequisite: Successful completion of DPM 1000 and DPM 1001 (grade C or higher).

DPM 1005 - Heavy Duty Powertrains I
3 Credit hours 52.5 Contact hours

Focuses on drive axles and universal joints of heavy duty trucks and equipment including operation, testing, removal, inspections, and repair of heavy duty drivelines, axles, and differentials. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards.

Prerequisite: Successful completion of DPM 1000 and DPM 1001 (grade C or higher).

DPM 1022 - Hydraulic Systems II
3 Credit hours 56.25 Contact hours

Covers the repair, replacement, measurement, and adjustments of components including pumps, control valves, and cylinders. This course meets the Medium/Heavy Truck Master Service Technology (MTST) program accreditation standards.

Prerequisite: Successful completion of DPM 1000, DPM 1001, and DPM 1192 (grade C or higher).

DPM 1040 - Heavy Duty Steering & Suspension I
3 Credit hours 52.5 Contact hours

Emphasizes lecture and related lab in the diagnosis and service of Heavy Duty mechanical and air suspension systems, wheels/tires and pressure management systems.

Prerequisite: Successful completion of DPM 1000 and DPM 1001 (grade C or higher).

DPM 1191 - Diesel Fuel Systems
2 Credit hours 45 Contact hours

Covers the theory of operation and repair of fuel injection systems including disassembly, assembly, and service procedures on fuel system components. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards.

Prerequisite: Successful completion of DPM 1000 and DPM 1001 (grade C or higher).

DPM 1192 - Hydraulic Systems I
1 Credit hous 22.5 Contact hours

Offers instruction on the basic fundamentals of hydraulics and their applications. Diagnosis, service, and testing along with safety are stressed within this course.
Prerequisite: Successful completion of DPM 1000 and DPM 1001 (grade C or higher).

DPM 2003 - Diesel Engines II
4 Credit hours 82.5 Contact hours

Covers the operation and repair of diesel engines with emphasis on the cylinder block in big bore engines. This course includes the disassembly, inspection, and reassembly of diesel engines. This course meets the Medium/Heavy Truck Master Service Technology (MTST) program accreditation standards.

Prerequisite: Successful completion of DPM 1000, DPM 1001, and DPM 1003 (grade C or higher).

DPM 2005 - Heavy Duty Powertrains II
3 Credit hours 60 Contact hours

Covers clutch and transmission problems. The course focuses on clutch and transmission operation, testing removal, rebuilding, inspection, repairing, and replacement. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards.

Prerequisite: Successful completion of DPM 1000, DPM 1001, and DPM 1005 (grade C or higher).

DPM 2006 - Heavy Duty Brakes I
3 Credit hours 67.5 Contact hours

Focuses on the various braking systems incorporated in heavy duty trucks and heavy equipment including the diagnosis and service of hydraulic, mechanical, and electrical brake components. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards.

Prerequisite: Successful completion of DPM 1000 and DPM 1001 (grade C or higher).

DPM 2007 - Heavy Duty Brakes II
3 Credit hours 52.5 Contact hours

Focuses on general service and maintenance procedures for the heavy-duty truck air brake system and related pneumatic components including operational checks, performance testing, and verifying system compliance with regulations to the Federal Motor Vehicle Safety Standards (FMVSS No. 121). This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards.

Prerequisite: Successful completion of DPM 1000, and DPM 1001 (grade C or higher).

DPM 2010 - Diesel Air Induction & Exhaust (2)
2 Credit hours 30 Contact hours

Covers the theory of operation and repair of turbochargers, superchargers, intercoolers, various induction and exhaust systems. Examines factors regulating engine performance failure, and procedures for reclaiming engine performance.

Prerequisite: Successful completion of DPM 1000, DPM 1001, and DPM 1003 (grade C or higher).

DPM 2075 - Special Topics
.5 Credit hours 7.5 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Department permission required.

ECE - Early Childhood Education Courses

ECE 1011 - Introduction to Early Childhood Education
3 Credit hours 45 Contact hours

Provides an introduction to the profession of Early Childhood Education (ECE). Course content includes eight key areas of professional knowledge related to working with young children and their families in early care and education settings: child growth and development; health, nutrition and safety; developmentally appropriate practices; guidance; family and community relationships; diversity and inclusion; professionalism; and administration and supervision. This course addresses children ages birth through 8 years.

ECE 1031 - Guidance Strategies for Young Children
3 Credit hours 45 Contact hours

Provides an exploration of guidance theories, techniques, and practices used to support young children's ability to learn and engage in prosocial interactions with peers and adults. This course covers factors that influence children's behaviors, as well as aspects of early childhood educator professionalism related to ethical and equitable guidance practice. This course addresses children ages birth through 8 years.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 (grade C or higher) .

ECE 1045 - Introduction to Early Childhood Education Techniques
3 Credit hours 45 Contact hours

Focuses on a classroom seminar and placement in a child care setting. The supervised placement provides the student with the opportunity to observe children, to practice appropriate interactions, and to develop effective guidance and management techniques. Addresses ages birth through age 8.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 AND ECE 1031 (grade C or higher).

ECE 1088 - Practicum: Early Childhood Education
3 Credit hour 45 Contact hours

Provides students with field experience in early childhood programs.

Prerequisite: Successful completion or concurrency in ECE 1011 (all grade C or higher) .

ECE 1111 - Infant and Toddler Theory and Practice
3 Credit hours 45 Contact hours

Presents an overview of development and care pertinent to infant and toddler children, ages birth to three years, in early childhood settings. The course includes information on state requirements for regulating health, safety, and nutrition practices in early childhood settings, and on indicators of quality care for infants and toddlers.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 (grade C or higher). .

ECE 1125 - Introduction to Infant/Toddler Lab Techniques
3 Credit hours 5 Contact hours

Includes a classroom seminar and placement in an infant and/or toddler setting. The supervised placement provides the student with the opportunity to observe, to practice appropriate interactions and to develop effective guidance and nurturing techniques with infants and\or toddlers. Addresses ages prenatal through age 2.

Prerequisite: Successful completion of or concurrency in ECE 1011 and ECE 1111 (grade C or higher).

ECE 2051 - ECE Nutrition, Health, and Safety
3 Credit hours 45 Contact hours

Focuses on nutrition, health, and safety as key factors for optimal growth and development of young children. This course includes nutrition knowledge, menu planning, food program participation, health practices, management and safety, appropriate activities, and communication with families for early childhood educators. This course addresses children ages birth through 12 years.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 (grade C or higher). .

ECE 2075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Explores current topics, issues and activities related to one or more aspects of the early childhood care and education profession.

ECE 2088 - Practicum: Early Childhood Education
3 Credit hours 45 Contact hours

Provides students with advanced field experience opportunities in early childhood education programs. Students must complete a minimum of 60 hours in the daycare or preschool setting.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 (grade C or higher). .

ECE 2101 - Working with Families and Communities
3 Credit hours 45 Contact hours

Examines personal and professional dispositions and strategies impacting partnerships with diverse families, including perspectives that recognize diversity and promote equity in early care and education settings. The course covers theoretical perspectives of families and communities, communication strategies, and activities used to promote family partnerships, and explores community resources to support children and their families.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 (grade C or higher). .

ECE 2381 - ECE Child Growth and Development
3 Credit hours 45 Contact hours

Provides an overview of growth, development, and learning of young children from birth through 12 years. The course includes the major theories of development as integrated in developmental domains and offers opportunities to practice effective research and assessment methods to gather child development information. This course also includes practical applications of child development knowledge to responsive teaching practices.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 (grade C or higher). .

ECE 2401 - Administration of Early Childhood Care and Education Programs
3 Credit hours 45 Contact hours

Provides foundational knowledge in early childhood program business operations, program development, and evaluation. This course covers administrative skills, ethical decision making, risk and resource management, and components of quality Early Childhood Education (ECE) programs serving children ages birth through 12 years. (Offered in Fall and Summer only).

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 (grade C or higher). .

ECE 2411 - Administration: Human Relations for Early Childhood Education
3 Credit hours 45 Contact hours

Focuses on the human relations component of an early childhood professional's responsibilities. This course includes director-staff relationships, staff development, leadership strategies, family-professional partnerships, and community interaction. (Offered in Spring and Summer only)

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 (grade C or higher). .

ECE 2601 - The Exceptional Child
3 Credit hours 45 Contact hours

Presents an overview of critical elements related to educating young children with disabilities or special needs in the early childhood setting. Topics include: typical and atypical development; legal requirements; research-based practices related to inclusion; teaming and collaboration; and accommodations and adaptations. This course examines how a disability or special need may impact a young child's learning process. This course addresses children ages birth through 8 years.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 AND ECE 2381 (grade C or higher). .

ECE 2621 - ECE Curriculum Development: Methods and Techniques
3 Credit hours 45 Contact hours

Explores planning and implementing effective early childhood curriculum for children, from birth through age eight years, including developmentally and culturally appropriate classroom environments, and written curriculum plans. The course also covers curricular content areas relevant to early childhood.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 AND ECE 2381 (grade C or higher). .

ECE 2641 - Creativity and the Young Child
3 Credit hours 45 Contact hours

Explores creative learning theories and evidence-based practices related to creative self-expression with young children. The course emphasizes the teacher's role in encouraging and supporting creativity and problem-solving skills. The course also addresses the use of developmentally appropriate curriculum planning to promote creative self-expression in all developmental domains for children ages birth through 8 years.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 and ECE 2381 (grade C or higher).

ECE 2661 - Science/Math and the Young Child
3 Credit hours 45 Contact hours

Examines theories of cognitive development as a framework for conceptualizing the way young children acquire scientific and mathematical skills, concepts, and abilities. Enables students to research and develop appropriate individual and group scientific/mathematical activities for young children.

Prerequisite: Successful completion of or concurrent enrollment in ECE 1011 and ECE 2381 (grade C or higher).

ECO - Economics Courses

ECO 2001 - Principles of Macroeconomics (GT-SS1)
3 Credit hours 45 Contact hours

Focuses on the study of the national economy, emphasizing business cycles and long-run growth trends. Explores how macroeconomic performance is measured, including Gross Domestic Product and labor market indicators. Examines the saving-investment relationship and its relationship to Aggregate Supply and Aggregate Demand. Discusses money and banking, international trade, fiscal and monetary policy. Explores the macroeconomic role of the public sector. This is a statewide Guaranteed Transfer course in the GT-SS1 category.

ECO 2002 - Principles of Microeconomics (GT-SS1)
3 Credit hours 45 Contact hours

Focuses on the study of individual decision making, emphasizing households, business firms and industry analysis. Explores market models, including competition, monopoly, monopolistic competition and oligopoly. Examines market failure and related efficiency criteria for government intervention. Explores public policy, including labor market issues, poverty and the environment. This is a statewide Guaranteed Transfer course in the GT-SS1 category.

ECO 2045 - Environmental Economics: GT-SS1
3 Credit hours 45 Contact hours

Introduces contemporary environmental issues and policies meant to reduce environmental degradation. It introduces the concept of market failure due to pollution. The course covers government pollution reduction policies for air, water, and natural environments. It also covers analytical tools that are used to analyze the effectiveness of these policies. This is a statewide Guaranteed Transfer course in the GT-SS1 category.

EDU - Education Courses

EDU 1075 - Special Topics
1-12 Credit hours 15-180 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

Prerequisite: Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.

EDU 1080 - Internship
1-12 Credit hours 45-540 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

EDU 1088 - Practicum I
3 Credit hours 45 Contact hours

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the education facility and with the direct guidance of the instructor.

EDU 1551 - Apprenticeship Fostering Well- Being
3 Credit hours 60 Contact hours

Explores the principles of well-being, belonging, and inclusion through inquiry-based practices. Topics include inquiry-based pedagogy, inclusive learning environments, bias in the classroom, social and emotional learning (SEL), culturally responsive teaching, and community engagement. The course covers strategies to support the holistic development of all learners and the vital role of collaboration with colleagues, families, and communities. The course includes opportunities for reflection in these areas.

Prerequisite: Background check and admission to a teacher apprenticeship program.

EDU 2075 - Special Topics
1-12 Credit hours 15-180 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

Prerequisite: Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.

EDU 2080 - Internship
1-12 Credit hours 45-540 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

EDU 2088 - Practicum II
3 Credits 45 Contact hours

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the education facility and with the direct guidance of the instructor.

Prerequisite: Successful completion of or concurrent enrollment in EDU 2211 (grade C or higher).

EDU 2211 - Introduction to Education
3 Credit hours 45 Contact hours

Focuses on the historical, social, political, philosophical, cultural, and economic forces that shape the United States public school system. This course includes current issues of education reform, technology as it relates to education, and considerations related to becoming a teacher in the state of Colorado. The course addresses the educational theory and practices from Early Childhood Education (ECE) through secondary education.

Prerequisite: College Readiness in English (see Glossary for more detail) .

EDU 2221 - Effective Teaching
1 Credit hours 15 Contact hours

Focuses on strategies for becoming effective teachers in diverse education settings within Early Childhood Education (ECE), K-12, or higher education. This course includes using learning objectives for assessment, instructional design, and lesson planning to create inclusive learning environments through the implementation of research-based best practices.

EDU 2331 - English Language Learners
3 Credit hours 45 Contact hours

Focuses on all aspects in the role of working with and teaching English Language Learners (ELL). This course introduces language acquisition, pedagogy, and culture. Additional topics include the examination of historical, legal, and political issues related to educational programs for non-and limited-English speaking students, and associated resources for teaching ELL students.

EDU 2341 - Multicultural Education
3 Credit hours 45 Contact hours

Explores racial, ethnic, cultural, and socioeconomic groups to gain an understanding of equity, diversity, and inclusion in communities and education. This course provides opportunities to contextualize multicultural perspectives in society and their impact on the education system.

EDU 2401 - Teaching Exceptional Learners
3 Credit hours 45 Contact hours

Focuses on learners with exceptionalities with emphasis on factors relating to current practices, identification, characteristics, and educational adaptations in special education preschool to 21 (P-21). Course topics include issues related to mild disabilities, severe disabilities, emotional and behavioral disorders, intellectual disabilities, and gifted and talented.

Prerequisite: Successful completion of PSY 2440 OR PSY 2441 (grade C or higher).

EDU 2501 - CTE in Colorado
1 Credit hours 15 Contact hours

Explores common elements of American community college philosophy and current practices. It details the philosophy of Career and Technical Education (CTE), the federal Carl D. Perkins legislation and related guidelines for CTE, national and state regulatory agencies, the CCCS program approval process, enrollment management and advising strategies, relevant local and national issues, and quality assurance principles. (CTE credentialing class)

EDU 2551 - Apprenticeship Culturally Responsive Education
3 Credit hours 60 Contact hours

Explores the foundations of culturally responsive education. Topics include the importance of developing cultural competence, equity and inclusion in education, inclusive curriculum, culturally responsive pedagogy and assessment, and building positive relationships with students and families from diverse backgrounds. The course emphasizes the importance of creating culturally affirming learning environments that value diverse backgrounds and addresses the impact of bias and stereotypes on learning.

Prerequisite: Complete background check and be admitted to a teacher preparation program. .

EDU 2552 - Apprenticeship Inquiry and Purpose-Driven Learning
3 Credit hours 60 Contact hours

Focuses on the principles and practices of inquiry-based practice and Purpose-Driven Learning (PDL). Topics include student engagement in real-world problems, defining clear purposes for projects, and enhancing student efficacy and agency in determining project direction and outcomes. The course emphasizes an asset-based approach to planning instruction as a core equity-focused practice, exploring individual and small group teaching strategies and foundational assessment and feedback practices.

Prerequisite: Complete background check and be admitted to a teacher preparation program.

EDU 2553 - Apprenticeship Design Thinking
3 Credit hours 60 Contact hours

Explores design thinking as an inquiry-based approach, with a focus on Purpose Driven Learning (PDL) experiences, creativity, and innovation. The course integrates core strategies for effective literacy and math development in design-focused units of inquiry, as well as the use of various technologies to support students in the design process. Assessment of design thinking processes and outcomes is explored.

Prerequisite: Complete background check and be admitted to a teacher preparation program.

EDU 2601 - Adult Learning and Teaching
3 Credit hours 45 Contact hours

Examines effective teaching strategies, design principles, and assessment practices in higher education. This course introduces instructional theories and applications with particular emphasis on adult learners. Course topics include syllabus, assessment, and course development using theories and strategies that support equity and inclusion with emphasis on teaching to a diverse student body, effective course design, assessment, and instructional strategies.

EDU 2611 - Teaching, Learning, and Technology
3 Credit hours 45 Contact hours

Prepares students to integrate technology into their teaching curriculum. Enables students to design educational and training materials incorporating instructional technology. Explores a variety of technologies, including the computer, internet, multimedia, graphics, audio, and text with an emphasis on increasing learning through their use. Examines combining technology with a variety of instructional methodologies.

EDU 2631 - Teaching and Learning Online
3 Credits 45 Contact hours

Provides faculty with the knowledge and skills necessary to design, develop, and deliver courses in a distance format. Focuses on assessment and evaluation methods and methods to incorporate interactive, collaborative and expanded learning activities.

EDU 3321 - Reading Foundations I: Emergent Literacy
4 Credit hours 75 Contact hours

Covers the foundational skills of reading development based on the science of reading and examines the relationship between cognitive, socio-cultural, linguistic, and motivational influences and educational outcomes. This course also explores how to teach phonological and phonemic awareness, phonics, decoding, and fluency reading components. This course has a field experience component.

Prerequisite: Complete background check and be admitted to a teacher preparation program.

EDU 3351 - Reading Foundations II: Word Study and Comprehension
4 Credit hours 75 Contact hours

Covers vocabulary, comprehension, disciplinary literacy, including a comprehensive exploration of the developmental and instructional implications related to the science of reading instruction for diverse learners. The course also covers the principles of explicit and systematic reading instruction. This course has a field experience component.

Prerequisite: Successful completion of EDU 3321 (grade B or better).

EDU 3551 - Apprenticeship Collaborative Team Teaching
3 Credit hours 60 Contact hours

Explores the skills and dispositions necessary for effective collaborative team teaching. This apprenticeship includes the various co-teaching models and their unique applicability, the interpersonal dynamics of a collaborative team, and collaboration across instructional responsibilities.

Prerequisite: Complete background check and be admitted to a teacher preparation program.

EDU 3552 - Apprenticeship Deeper Learning
3 Credit hours 60 Contact hours

Explores the theory, design, and assessment of Universal Design lab-based deeper learning in K-12 settings, emphasizing practical applications across subjects. The course covers the development and assessment of 21st-century skills through backward design of authentic learning experiences aligned with deeper learning principles.

Prerequisite: Complete background check and be admitted to a teacher preparation program.

EDU 4051 - Residency Teaching I
9 Credit hours 405 Contact hours

Develops quality teacher dispositions through application of strategies and practices essential for co-teaching and supporting student learning in a residency classroom. This course emphasizes the development of effective classroom management skills, formative assessment techniques, and collaborative planning with a mentor teacher in a part-time residency.

Prerequisite: Complete background check and be admitted to a teacher preparation program.

EDU 4061 - Residency Teaching II
12 Credit hours 540 Contact hours

Applies advanced instructional strategies and practices essential for leading a classroom as a full-time resident teacher. This course emphasizes the implementation of comprehensive lesson planning, assessment, and classroom management. It focuses on professional collaboration and reflective practice in a full-time residency setting.

Prerequisite: Successful completion of EDU 4051 (grade C or better).

EDU 4401 - Advanced Methods: Project-Based Learning
3 Credit hours 60 Contact hours

Focuses on the integration of interdisciplinary standards through Project-Based Learning (PBL) to a residency classroom. This course covers the design and implementation of cross-disciplinary projects that enhance student learning and leadership skills. Emphasizes science, technology, engineering, arts, and mathematics (STEAM) integration.

Prerequisite: Successful completion of or concurrent enrollment in EDU 4051 (grade C or better).

EDU 4441 - Assessment in Diverse Classrooms
4 Credit hours 90 Contact hours

Assessment and feedback to meet the needs of learners across diverse cultural and linguistic backgrounds. The course also applies informal classroom assessments, standardized tests, and developmental screenings. The course includes a field experience component.

Prerequisite: Complete background check and be admitted to a teacher preparation program.

EDU 4551 - Apprenticeship Neuroscience of Learning and Cognition
3 Credits hours 60 Contact hours

Explores the principles of neuroscience of learning and cognition across developmental ages, with a focus on enhancing instructional practices. This apprenticeship includes the topics of brain structures and functions associated with learning. The course emphasizes neuroscience-based strategies to inform effective teaching and learning.

Prerequisite: Complete background check and be admitted to a teacher preparation program.

EGG - Engineering Courses

EGG 1020 - Engineering Methodologies
3 Credit hours 67.5 Contact hours

Presents the fundamental principles of engineering methodologies with integration of concepts in a laboratory setting. This course focuses on collaboration in the engineering design process while developing scientific and engineering related projects with a focus on professional communication in engineering.

Prerequisite: Successful completion of MAT 1340 or higher (grade C or higher) or qualifying assessment scores.

EGG 1030 - Robotics Design
1 Credit hours 30 Contact hours

Focuses on the process of building an autonomous robot from the initial design to final evaluation. Includes design and building of the mechanical structure, electrical system as well as programming and integration of all systems to produce a fully functional autonomous robot capable of performing a series of proscribed tasks. Culminates with a detailed evaluation of both the robot and its performance.

EGG 1040 - First Year Engineering Projects
3 Credit hours 67.5 Contact hours

Teaches how to engage community stakeholders and use traditional research practices to identify, define, articulate, and design technical solutions to open-ended problems. The course utilizes teamwork on a semester-long iterative design project.

Prerequisite: Successful completion of MAT 1340 (grade C or higher) or qualifying assessment scores.

EGG 1050 - Engineering Data Analysis
1 Credit hours 30 Contact hours

Focuses on the process of data analysis and presentation for scientists and engineers. Topics include an introduction to statistics, probability, data graphics, fitting, modeling, and communicating the data and results in written and oral formats.

Prerequisite: Successful completion of MAT 1340 (grade C or higher) or qualifying assessment scores.

EGG 1051 - Experimental Design (Introduction to Experimental Design and Engineering)
2 Credit hours 60 Contact hours

Introduces the design and construction of scientific and/or engineering experiments. This course covers the entire life cycle of the experiment or prototype from concept generation and design through construction, making measurements, analysis of collected data, and communication of results.

Prerequisite: Successful completion of MAT 1340 (grade C or higher) or qualifying assessment scores.

EGG 1060 - Introduction to Engineering Computing
4 Credit hours 60 Contact hours

Introduces techniques for designing, implementing, and testing computer programs in higher-level programming languages to solve problems common in engineering domains. This course uses elementary numerical methods, visualization, and tools from engineering.

Prerequisite: Successful completion of or concurrent enrollment in MAT 2410 (grade C or higher).

EGG 1065 - Logic Design I
4 Credit hours 60 Contact hours

Covers the design of combinatorial and sequential switching circuits. Topics include: Boolean Algebra, Boolean Function Minimization Techniques, Combinatorial Circuit Analysis and Synthesis, Synchronous Sequential Circuit Analysis and Synthesis, Algorithmic State Machine Design, Asynchronous Sequential Circuit Analysis and Synthesis. Use of computer aided design tools facilitating design, simulation and implementation of digital system using field programmable logic devices is an integral part of the entire course. Laboratory experiments included.

EGG 1075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

EGG 2011 - Engineering Mechanics I - Statics
3 Credit hours 45 Contact hours

Focuses on the vector and calculus treatment of forces and force systems, including particle and rigid body force systems. Additional topics include moments, friction, structures, and section properties.

Prerequisite: Successful completion of of MAT 2410 or higher AND successful completion of or concurrent enrollment in PHY 2111 (grade C or higher).

EGG 2012 - Engineering Mechanics II (Dynamics)
3 Credit hours 45 Contact hours

Presents content in particle kinematics, including 2-D motion in x-y coordinates, normal tangential coordinates, and polar coordinates; rigid body kinematics, including relative velocities and relative accelerations; and rigid body kinetics, including the equation of motion, work and energy, linear impulse-momentum, and angular momentum.

Prerequisite: Successful completion of EGG 2011 (grade C or higher).

EGG 2020 - Thermodynamics
3 Credit hours 45 Contact hours

Explores fundamental concepts and basic theory, including first and second laws of thermodynamics, thermodynamic functions, properties, states, cycles, pure substances, and chemical and phase equilibrium.

Prerequisite: Successful completion of MAT 2410 AND PHY 2111 (grade C or higher).

EGG 2030 - Mechanics of Solids
3 Credit hours 45 Contact hours

Uses forces and torque to determine stress and strain on objects. This course includes bending moments, shear forces, deflection in beams, deformations in structural members, and stress transformation.

Prerequisite: Successful completion of EGG 2011 (grade C or higher).

EGG 2041 - Circuit Analysis I
4 Credit hours 75 Contact hours

Introduces the basic techniques used in the design and analysis of electrical circuits. This course includes basic theorems of DC circuit analysis, transient analysis, and steady state analysis of AC circuits. The course also includes a lab component using standard electrical lab equipment.

Prerequisite: Successful completion of of MAT 2420 AND successful completion of or concurrent enrollment in PHY 2112 (grade C or higher).

EGG 2075 - Special Topics
0-6 Credit hours 15-75 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

EGT- Engineering Graphics Tech Courses

EGT 1110 - Intro Design/Engineering Apps
3 Credit hours 67.5 Contact hours

Provides students with opportunities to engage with an industry client on a real-world, open-ended engineering design problem. Students will develop professional skills and knowledge using Computer Aided Drafting (CAD) as a primary tool. The course covers human-centered design and the role of engineering in a sustainable society. Students will cultivate an understanding of the differences in engineering disciplines while working in interdisciplinary teams. Written and verbal communication skills will also be covered.

Prerequisite: Successful completion of MAT 1340 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer NGAF 280+, Accuplacer CM 63+, SAT Math 700+, ACT Math 24+).

EMS - Emergency Medical Services Courses

EMS 1015 - Emergency Medical Responder
3 Credit hours 45 Contact hours

Provides the student with core knowledge and skills to function in the capacity of a first responder arriving at the scene of an emergency, providing supportive care until advanced EMS help arrives.

Prerequisite: Students must be 16 years old by completion of the course.

EMS 1021 - EMT Fundamentals
3 Credit hours 48 Contact hours

Introduces the Emergency Medical Technician (EMT) student to prehospital emergency care. The topics included in this course are Emergency Medical Services (EMS) systems, well-being of the EMT, communications, documentation, anatomy, airway management, and patient assessment. Please note: Student must be 18.

Corequisite: EMS 1022, EMS 1023, EMS 1024, and EMS 1070. (Students must enroll in the same section as EMS 1021 for a total of 12 credits.).

EMS 1022 - EMT Medical Emergencies
4 Credit hours 60 Contact hours

Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to effectively provide emergency care and transportation to a patient experiencing a medical emergency. This course focuses on the integration of the physical exam, medical history, and pathophysiology when assessing and treating the medical patient.

Corequisite: EMS 1021, EMS 1023, EMS 1024, and EMS 1070. (Students must enroll in the same section as EMS 1021 for a total of 12 credits.).

EMS 1023 - EMT Trauma Emergencies
2 Credit hours 52 Contact hours

Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to provide appropriate emergency care and transportation of a patient who has suffered a traumatic injury. The concepts of kinematics and the biomechanics of trauma, along with pathophysiology and injury patterns will provide the student with the ability to assess and manage the trauma patient.

Prerequisite: Successful completion of or concurrent enrollment in EMS 1021 (grade C or better). Corequisite: EMS 1021, EMS 1022, EMS 1024, and EMS 1070. (Students must enroll in the same section as EMS 1021 for a total of 12 credits.).

EMS 1024 - EMT Special Considerations
2 Credit hours 32 Contact hours

Provides the Emergency Medical Technician (EMT) student with the knowledge and skills required to modify the assessment, treatment, and transportation of special patient populations and patients in special circumstances. This course also provides an overview of incident command, mass casualty incidents, vehicle extrication, air medical support, hazardous materials, and terrorism.

Prerequisite: Successful completion of or concurrent enrollment in EMS 1021 (grade C or better). Corequisite: EMS 1021, EMS 1022, EMS 1023, and EMS 1070. (Students must enroll in the same section as EMS 1021 for a total of 12 hours.).

EMS 1070 - EMT-Clinical
1 Credit hour 48 Contact hours

Provides the EMT student with the clinical experience required for initial certification and some renewal processes.

Corequisite: EMS 1021, EMS 1022, EMS 1023, and EMS 1024. (Students must enroll in the same section as EMS 1021 for a total of 12 credits.).

EMS 1081 - EMS Internship I
.5 Credit hours 15 Contact hours

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

EMS 1132 - EMS IV / IO Therapy
2 Credit hours 45 Contact hours

Focuses on cognitive and skill practice for the Colorado scope of practice for the IV / IO endorsement as outlined in the Intravenous / Intraosseous Therapy and Medication Administration course curriculum.

Prerequisite: Current EMT Certification Required.

EMS 2025 - Fundamentals of Paramedic Practice
3 Credit hours 225 Contact hours

Introduces the paramedic student to the advanced practice of prehospital care. This course covers professional behavior, medical ethics, legal issues, patient assessment, therapeutic communication, clinical decision making, and basic and advanced airway management. This course discusses EMS 's role in the healthcare continuum, professional communication, patient care documentation, IV fluid therapy and resuscitation, and the application of evidence based medicine. A brief overview of human anatomy, physiology and pathophysiology is included.

Prerequisite: Successful completion of BIO 1006 (grade C or better). Corequisite: EMS 2026, EMS 2029, EMS 2033, and EMS 2035. (Students must enroll in the same section as EMS 2025 for a total of 16 credits.).

EMS 2026 - Fundamentals of Paramedic Practice - Lab
2 Credit hours 60 Contact hours

Teaches the skills necessary for the paramedic to apply professional behavior, medical ethics, legal issues, patient assessment, therapeutic communication, clinical decision making, and airway management. Serves as the companion course to Fundamentals of Paramedic Practice**.**

Prerequisite: Permission from the department. Corequisite: EMS 2025, EMS 2029, EMS 2033, and EMS 2035. (Students must enroll in the same section as EMS 2025 for a total of 16 credits.).

EMS 2027 - Paramedic Special Considerations
3 Credit hours 60 Contact hours

Introduces the paramedic student to concepts in assessing and meeting the emergency care needs of the neonate, pediatric, geriatric and special needs patient. This course focuses on epidemiology, pathophysiology, assessment and treatment of these patient groups. Common medical and traumatic presentations are addressed. Relevant psychosocial and ethno cultural concepts and legal and ethical implications are integrated throughout.

Prerequisite: EMS 2025 and permission from the department. Corequisite: EMS 2028, EMS 2030, EMS 2031, EMS 2032, EMS 2034, EMS 2036, and EMS 2037. (Students must enroll in the same section as EMS 2027 for a total of 17 credits.).

EMS 2028 - Paramedic Special Considerations - Lab
2 Credit hours 60 Contact hours

Teaches the skills necessary for the paramedic to effectively assess and treat neonatal, pediatric, geriatric, and special needs patients utilizing skills and simulation scenarios. Serves as the companion course to Paramedic Special Considerations.

Prerequisite: EMS 2025 and Permission of the department. Corequisite: EMS 2027, EMS 2030, EMS 2031, EMS 2032, EMS 2034, EMS 2036, and EMS 2037. (Students must enroll in the same section as EMS 2027 for a total of 17 credits.).

EMS 2029 - Paramedic Pharmacology
3 Credit hours 45 Contact hours

Introduces the paramedic student to advanced emergency pharmacology, pharmacokinetics and pharmacodynamics. This course will include laws affecting the use and distribution of medications, medication dosing, clinical calculations, routes of administration and discussion of common medication classifications to include indications, contraindications and side effects.

Prerequisite: Permission from the department. Corequisite: EMS 2025, EMS 2026, EMS 2033, and EMS 2035. (Students must enroll in the same section as EMS 2025 for a total of 16 credits.).

EMS 2030 - Paramedic Pharmacology - Lab
2 Credit hours 60 Contact hours

Teaches the skills necessary for the paramedic to safely and effectively administer emergency medications. Serves as the companion course to Paramedic Pharmacology.

Prerequisite: Permission of the department. Corequisite: EMS 2027, EMS 2028, EMS 2031, EMS 2032, EMS 2034, EMS 2036, and EMS 2037. (Students must enroll in the same section as EMS 2027 for a total of 17 credits.).

EMS 2031 - Paramedic Cardiology
5 Credit hours 75 Contact hours

Introduces the paramedic student to cardiovascular emergencies and the care of patients presenting with cardiovascular emergencies. Topics will include assessment of the cardiovascular system, ECG acquisition and interpretation both single lead and 12 lead, pathophysiology of cardiovascular disease and treatments indicated for a given disease.

Prerequisite: Permission of the department. Corequisite: EMS 2027, EMS 2028, EMS 2030, EMS 2032, EMS 2034, EMS 2036, and EMS 2037. (Students must enroll in the same section as EMS 2027 for a total of 17 credits.).

EMS 2032 - Paramedic Cardiology - Lab
1 Credit hour 30 Contact hours

Teaches the skills necessary for the paramedic to effectively assess and treat patients presenting with cardiovascular emergencies utilizing skills and simulation scenarios. Serves as the companion course to Paramedic Cardiology.

Prerequisite: Permission of the department. Corequisite: EMS 2027, EMS 2028, EMS 2030, EMS 2031, EMS 2034, EMS 2036, and EMS 2037. (Students must enroll in the same section as EMS 2027 for a total of 17 credits.).

EMS 2033 - Paramedic Medical Emergencies
4 Credit hours 60 Contact hours

Expands on the paramedic student's knowledge of medical emergencies with the Integration of assessment findings in formulating a field impression and implementing a treatment plan. This course will cover principles of epidemiology and pathophysiology related to common medical emergencies including: neurological, abdominal and gastrointestinal disorders, immunological, infectious diseases, endocrine disorders, psychiatric disorders, toxicological, respiratory, hematological, genitourinary, gynecological, non-traumatic musculoskeletal disorders, and diseases of the eyes, ears, nose, and throat

Prerequisite: Permission of the Department. Corequisite: EMS 2025, EMS 2026, EMS 2029, and EMS 2035. (Students must enroll in the same section as EMS 2025 for a total of 16 credits.).

EMS 2034 - Paramedic Medical Emergencies - Lab
1 Credit hour 30 Contact hours

Teaches the skills necessary for the paramedic to effectively assess and treat patients with a variety of medical emergencies utilizing skills and simulation scenarios. Serves as the companion course to Paramedic Medical Emergencies.

Prerequisite: Permission of the department. Corequisite: EMS 2027, EMS 2028, EMS 2030, EMS 2031, EMS 2032, EMS 2036, and EMS 2037. (Students must enroll in the same section as EMS 2027 for a total of 17 credits.).

EMS 2035 - Paramedic Trauma Emergencies
4 Credit hours 60 Contact hours

Expands on the paramedic student's knowledge of trauma emergencies with the integration of assessment findings in formulating a field impression and implementing a treatment plan for an acutely injured patient. The course will provide an in depth evaluation of trauma to include: categorization of trauma patients, incidence of trauma, trauma systems, types of injury, trauma assessment, documentation in trauma, trauma scoring scales, trauma center designations, and transfer of patients.

Prerequisite: Permission of the department. Corequisite: EMS 2025, EMS 2026, EMS 2029, and EMS 2033. (Students must enroll in the same section as EMS 2025 for a total of 16 credits.).

EMS 2036 - Paramedic Trauma Emergencies - Lab
1 Credit hour 30 Contact hours

Teaches the skills necessary for the paramedic to effectively assess and treat patients with a variety of traumatic emergencies utilizing skills and simulation scenarios. Serves as the companion lab course for Paramedic Trauma Emergencies.

Prerequisite: Permission of the department. Corequisite: EMS 2027, EMS 2028, EMS 2030, EMS 2031, EMS 2032, EMS 2034, and EMS 2037 (Students must enroll in the same section as EMS 2027 for a total of 17 credits.).

EMS 2037 - Paramedic Internship Preparatory
2 Credit hours 30 Contact hours

Reviews concepts and techniques used in the pre-hospital setting.

Prerequisite: Permission of the department. Corequisite: EMS 2027, EMS 2028, EMS 2030, EMS 2031, EMS 2032, EMS 2034, and EMS 2036. (Students must enroll in the same section as EMS 2027 for a total of 17 credits.).

EMS 2075 - Special Topics
0-12 Credit hours Contact hours vary

Provides students with a vehicle to pursue in-depth exploration of special topics.

EMS 2080 - Paramedic Internship I
6 Credit hours 250 Contact hours

Preceptor/Internship program for paramedic students and the third phase of the course of National Standard Paramedic Curriculum as approved by the Colorado State Department of Health and Environment.

Prerequisite: Successful completion of or concurrent enrollment in EMS 2025 (grade C or better).

EMS 2081 - Paramedic Internship II
6 Credit hours 250 Contact hours

Serves as the continuation of EMS 2080, preceptor program for paramedic students.

Prerequisite: Successful completion of or concurrent enrollment in EMS 2025 (grade C or better).

ENG - English Courses

ENG 0090 - Composition and Reading
3 Credit hours 45 Contact hours

Integrates and contextualizes college-level reading and writing.

ENG 0094 - Studio 1021
3 Credit hours 45 Contact hours

Integrates and contextualizes reading and writing strategies tailored to co-requisite ENG 1021 coursework. Students will read and understand complex materials, and respond to ideas and information through writing

informative and/or persuasive texts. Any student enrolled in ENG 0094 is required to co-enroll in ENG 1021.

Corequisite: ENG 1021.

ENG 0095 - Studio 1021 for Multilingual Learners
3 Credit hours 45 Contact hours

Supports multilingual learners in reading, writing, and language acquisition strategies tailored to pair with English Composition coursework.

Corequisite: ENG 1021.

ENG 1021 - English Composition I (GT-CO1)
3 Credit hours 45 Contact hours

Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a wide variety of compositions that stress analytical, evaluative, and persuasive/argumentative writing. This is a statewide Guaranteed Transfer course in the GT-CO1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

ENG 1022 - English Composition II (GT-CO2)
3 Credit hours 45 Contact hours

Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or argumentative compositions. This is a statewide Guaranteed Transfer course in the GT-CO2 category.

Prerequisite: Successful completion of ENG 1021 OR ENG 1031 (grade C or better).

ENG 1031 - Technical Writing I (GT-CO1)
3 Credit hours 45 Contact hours

Develops skills one can apply to a variety of technical documents. Focuses on principles for organizing, writing, and revising clear, readable documents for industry, business, and government. This is a statewide Guaranteed Transfer course in the GT-CO1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

ENG 1032 - Technical Writing II
3 Credit hours 45 Contact hours

Expands and refines the objectives of ENG 1031, emphasizing formal presentations, both written and oral.

Prerequisite: Successful completion of ENG 1031 (grade C or better).

ENG 2001 - Composition III: Writing for Public Discourse (GT-CO3)
3 Credit hours 45 Contact hours

Provides the skills necessary to enter into higher-level undergraduate academic discourse or professional workplace writing. This course extends rhetorical knowledge and develops critical reading, thinking, and writing strategies in multiple specialized areas of discourse beyond what is encountered in previous composition courses. This is a statewide Guaranteed Transfer course in the GT-CO3 category.

Prerequisite: Successful completion of ENG 1022 (grade C or better).

ENG 2021 - Creative Writing I (GT-AH1)
3 Credit hours 45 Contact hours

Examines techniques for creative writing by exploring imaginative uses of language through creative genres (fiction, poetry, and other types of creative production such as drama, screenplays, graphic narrative, or creative nonfiction) with emphasis on the student's own unique style, subject matter and needs. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

ENG 2022 - Creative Writing II
3 Credit hours 45 Contact hours

Provides continued development of written expression in the creative genres (fiction, poetry, and other types of creative production such as drama, screenplays, graphic narrative, or creative nonfiction) with emphasis on the student's own unique style, subject matter and needs. This course is a creative writing workshop centered around producing and critiquing creative work.

ENG 2031 - Literary Magazine
3 Credit hours 45 Contact hours

Teaches the student the editorial process involved in preparing a literary magazine for publication. Covers the process of selection of material (fiction, nonfiction, poetry, and visual art) to be published, as well as design, layout, and production to prepare a manuscript for publication. Enables the student to produce a literary magazine.

ESL - English as a Second Language Courses

ESL 0071 - Basic Language Skills
6 Credit hours 90 Contact hours

Develops and strengthens the reading, writing, listening, speaking, and grammar production skills of non-native English speakers whose assessment scores reflect a readiness to benefit from basic level ESL courses.

Prerequisite: Appropriate assessment scores (LOEP LU 55-81, RS 55-81, and WP 1+).

ESL 0072 - Intermediate Language Skills
6 Credit hours 90 Contact hours

Provides intermediate and high intermediate English language students with intensive instruction and practice in reading, writing, and speaking English. Teaches intermediate and advanced level grammar concepts. Prepares students for further academic and vocational study.

Prerequisite: Successful completion of ESL 0071 or (ESL 0021 and ESL 0041 and ESL 0051) (grade C or better) or appropriate assessment scores (LOEP LU 82-99, RS 82-99, and WP 3+).

ESL 0073 - Advanced Language Skills
6 Credit hours 90 Contact hours

Combines academic reading, writing, speaking, and grammar skills to prepare students for college level assignments. This course focuses on oral and written communication skills, reviews paragraph organization, and develops the skill of writing essays using selected rhetorical modes. This course includes summarizing, paraphrasing, and research writing while emphasizing accurate use of advanced grammatical structures.

Prerequisite: Successful completion of ESL 0072 OR (ESL 0022 AND ESL 0042 AND ESL 0052) (grade C or better) or appropriate assessment scores (LOEP LU 100-118, RS 100-118 and WP 5+).

0075 - Special Topics
0-12 Credit hours 180 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics.

ETH - Ethnic Studies Courses

ETH 2000 - Introduction to Ethnic Studies (GT-SS3)
3 Credit hours 45 Contact hours

Introduces students to the issues of race and ethnicity. Emphasizes ethnic relations in the United States as it pertains to four major groups: Americans of African, Asian, Latino and Native descent. Explores issues of racial and ethnic identity, racism and discrimination, stereotyping,

prejudice, segregation, colonialism, integration and acculturation. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

ETH 2015 - Discrimination and Diversity (GT-SS3)
3 Credit hours 45 Contact hours

Explores important rhetorical issues of diversity and community as they have been played out historically in the construction of U.S. culture. Using multiple scholarly sources, the course will utilize historical, legal, critical, philosophical, sociological, and narrative approaches to study diversity and the conflict that often surrounds the quest for moral, social, and economic inclusion in the United States. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: Successful completion of ENG 1021 (grade C or higher) or equivalent assessment scores.

ETH 2024 - Introduction to Chicano Studies
3 Credit hours 45 Contact hours

Introduces students to skills development in multi-cultural education. Covers Chicano history, migration and labor, education, law, and Chicano culture.

Prerequisite: College Readiness in English (See Glossary for more detail).

ETH 2075 - Special Topics in Ethnic Studies
1-6 Credit hour(s) 15-90 Contact hours

Provides students with a vehicle to pursue in-depth explorations of special topics of interest.

Prerequisite: Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.

FST - Fire Science Technology Courses

FST 1000 - Firefighter I
9 Credit hours 135 Contact hours

Addresses the requirements necessary to perform at the first level of progression as identified in National Fire Protection Association (NFPA) 1001, Firefighter Professional Qualifications. This is a lecture and lab course for meeting the NFPA 1001, Level I, standard using IFSTA Essentials.

Prerequisite: Requires acceptance to CCA Firefighter Academy; be 18 or older and meet all current civil service and physical fitness requirements for hire by a Colorado Fire Department.

FST 1002 - Principles/Emergency Services
3 Credit hours 45 Contact hours

Provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; 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 nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics.

FST 1005 - Building Construction for Fire Protection
3 Credit hours 45 Contact hours

Provides the components of building construction that relate to fire and life safety. The focus of this course is on firefighter safety. The elements of consideration and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

FST 1006 - Fire Prevention
3 Credit hours 45 Contact hours

Provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education.

FST 1007 - Hazardous Materials Operations (Level I)
3 Credit hours 45 Contact hours

Introduces hazardous materials incidents, recognizing and identifying hazardous materials, planning response, implementing response procedures, decision making, and continued evaluation at the awareness and operation level.

Prerequisite: Must be 18 or older.

FST 1009 - Occupational Safety and Health for Fire
3 Credit hours 45 Contact hours

Introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk evaluation and control procedures for fire stations, training sites, emergency vehicles, and emergency situations involving fire, EMS, hazardous materials, and technical rescue. This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout emergency services.

FST 1070 - Clinical I
1 Credit hours 30 Contact hours

Offers the clinical practicum to apply the related fire science technology.

FST 2001 - Instructional Methodology
3 Credit hours 45 Contact hours

Covers the role and responsibility of the fire service instructor. Includes oral communication skills, concepts of learning, planning and development of lesson plans, instructional materials and delivery methods, testing and evaluations, records and reports, and demonstration of instructional abilities. Fire Instructor I State Certificate is available.

FST 2002 - Firefighting Strategy and Tactics
3 Credit hours 45 Contact hours

Firefighting strategy and tactics, methods of fire attack, fire behavior, building construction, and pre-fire planning.

FST 2004 - Principles of Code Enforcement
3 Credit hours 45 Contact hours

To provide the students with the fundamental knowledge of the role of code enforcement in a comprehensive fire prevention program.

FST 2005 - Fire Investigation I
3 Credit hours 45 Contact hours

Provides the student with the fundamentals and technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the firesetter, and types of fire causes.

FST 2006 - Fire Company Supervision and Leadership
3 Credit hours 45 Contact hours

Addresses the requisite knowledge and skills required to perform at level 1 as identified in National Fire Protection Association (NFPA) 1021, Fire Officer Professional Qualifications. Areas of focus include: fire department

organization, company officer traits, roles and responsibilities, communications practices, administrative functions, safety, health and wellness, training, fire prevention, human resources management, and incident management and operations. The course prepares the learner for the Colorado Fire Officer I State Exams and JPR evaluations.

FST 2007 - Firefighting Strategy and Tactics II
3 Credit hours 45 Contact hours

Focuses on tactics and strategies associated with transportation emergencies and fires, high-rise fires, below-ground incidents, confined space emergencies, and special rescue situations.

FST 2009 - Fire Protection Systems
3 Credit hours 45 Contact hours

Provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

FST 2051 - Fire Service and the Law
3 Credit hours 45 Contact hours

Provides the professional fire officer with detailed information on federal, state and local laws, ordinances, and civil and criminal liabilities that impact the fire service. Includes the OSHA and NFPA standards in-depth, as well as pensions, Workman's Compensation, drug testing, union bargaining agreements and other topics.

FST 2053 - NIMS
3 Credit hours 45 Contact hours

Focuses on the National Incident Management System including fire ground management and resource management. Multiagency coordination systems are discussed, organization preparedness for large scale emergencies, Communication and information are addressed. The course concludes with a review of the National Response Plan.

FST 2055 - Fire Service Management
3 Credit hours 45 Contact hours

Serves as the basic management course for present and potential members of the fire and emergency service professions. The course introduces the student to current fire service management practices, challenges, and real-world applications from the fire officer's point of view. The course addresses decision-making, problem solving, necessary communication skills, conflict resolution, effective leadership skills, as well as the role of the fire service manager in supervising personnel and programs.

FST 2057 - Fire Department Administration
3 Credit hours 45 Contact hours

Focuses on the operations of volunteer and combination fire departments, compliance with standards and ordinances, funding, recruiting, hiring and retaining employees, funding and budgeting, organizational planning and public relations.

FST 2075 - Special Topics
1-12 Credit hour(s) 15-270 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest not previously offered. Includes National Fire Academy courses, VFIS courses, NFPA certification courses or other special subject classes that do not fall under the standard FST curriculum.

FVM - Film and Video Media Courses

FVM 1003 - Pre-Production I
3 Credit hours 60 Contact hours

Provides an introduction to professional film production with an emphasis on safety and social responsibility in filmmakiing. The course explores film roles, responsibilities and best practices within preparation and production phases, as well as the basics of short form story structure and script format. Additional opportunities in budget management, communication, field observation and short script analysis will be provided.

FVM 1005 - Video Production I
3 Credit hours 60 Contact hours

This introduction to visual storytelling provides students with the opportunity to identify the components and explore the expressive visual elements that compromise narrative motion pictures. Students work in groups and/or pairs structuring and shooting exercises and original projects to be edited in FVM 1060 (which must be taken concurrently). With an emphasis on creating emotional connections between character and audience, this course will help students learn techniques to create and illustrate effective and dimensional stories. Students will also learn the art of collaboration, which is necessary for film production.

Prerequisite: Successful completion of FVM 1003 AND Successful completion of or concurrent enrollment in FVM 1050, FVM 1017, ENG 1021 (ALL grade of C or better). Corequisite: FVM 1060.

FVM 1010 - Creativity Lab
2 Credit hours 45 Contact hours

Provides techniques to overcome artistic blocks, generate innovative ideas, and implement creative solutions.

FVM 1011 - Creative Careers in Media
2 Credit hours 45 Contact hours

Explores employment options to identify unique career paths in the media industry. The course provides ways to gain insights into various media careers, understand the skills necessary for success, and develop personalized academic and career plans.

FVM 1012 - Ethical Creative Practice
3 Credit hours 45 Contact hours

Covers strategies for supporting mental health and wellbeing in creative spaces, with a focus on managing mental health challenges, establishing support structures, curating community agreements, and understanding consent in creative work. This course covers tools for access-needs advocacy, conflict resolution, and self-care, including nationally-accredited Mental Health First Aid training with certification for students 18+.

FVM 1017 - Understanding the Actor's Process
3 Credit hours 60 Contact hours

Explores the actor's process with an emphasis on developing supportive and effective collaborations with other actors, directors and crew members. Applies techniques and acting theory to production and teaches basic terminology for actors in the screen environment. Introduces improvisation, script and character analysis, rehearsal process and protocol.

FVM 1018 - Screen Actor Improvisation
3 Credit hours 60 Contact hours

This course builds on FVM 1017, Understanding the Actor's Process, and is designed for students with an interest and aptitude for on-camera performance. The course continues to explore the teachings of Stanislavski as his system relates to creating believable and realistic characters and applying that knowledge to develop roles for the screen.

Prerequisite: Successful completion of FVM 1017 (grade C or higher).

FVM 1022 - Writing and Storytelling for the Screen
3 Credit hours 45 Contact hours

Provides an in-depth exploration of the fundamental principles of screenwriting and storytelling for visual media. This foundational course

covers the techniques and structures essential for creating compelling narratives and developing personal screenplays.

Prerequisite: College Readiness in English (See Catalog Guide for more detail).

FVM 1025 - Women in Film
3 Credit hours 60 Contact hours

Concentrates on the history of women in film; specifically, female writers, producers, directors, cinematographers, actors, and editors. Films will be reviewed and analyzed for the voices women play in the film, including how it affects the viewer's perception of women. This course explores portrayal of women from different decades and the cultural implications of women's involvement in the filmmaking medium presently while comparing dynamic female characters verses stereotypical female characters.

FVM 1026 - Hollywood Shuffle/Black Cinema
3 Credit hours 60 Contact hours

Explores Black American cinema, its filmmakers, and creatives while examining its relevance to American film, American history, and Black life. The course focuses on the critical analysis of selected Black films through a combination of film analysis and Black American historiography.

FVM 1027 - LGBTQ Voices in Film
3 Credit hours 60 Contact hours

Explores both historical and contemporary LGBTQ+ film and filmmakers, while examining the nature and themes of LGBTQ+ representation throughout global cinema. The course focuses on the critical analysis of curated films as it relates to story, audience, inherent biases, intersectionality, and representation.

FVM 1030 - Introduction to Digital Videos
1 Credit hour 15 Contact hours

Students learn how to use digital video editing software to create, edit, and save movies. Students create movies using digital video clips, digital photos and music. The basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, and burning finished DVDs will be covered.

FVM 1031 - Mental Health Coordination 1
3 Credit hours 45 Contact hours

Focuses on strategies to support mental and emotional safety and wellbeing for artistic professionals working in creative spaces. This course covers skills needed to assist creative teams to improve the accuracy and integrity in the performance of themes related to mental health, and includes the foundational skills and knowledge needed to pursue a career in mental health coordination and cinematic arts industries.

Prerequisite: Successful completion of FVM 1012 (grade C or better).

FVM 1050 - Development of Film Expression
3 Credit hours 60 Contact hours

Examines the nature and structure of Film/Video expression, concentrating on the way directors, editors, and cinematographers use visual techniques to serve the narrative. Students watch films in their entirety and then analyze them for their lighting, composition, camera position, movement, lens, depth of field, use of screen space, placement of performers, and editing techniques.

FVM 1053 - Introduction to Film Production
3 Credit hours 60 Contact hours

Introduces students to the study of motion picture photography as a means of communication as well as the processes and considerations involved in 16mm film production. Covers film stock, laboratory and processing, crew positions and responsibilities, audio, lighting and exposure considerations. Students will apply both the creative and technical aspects of cinematography and demonstrate their artistry and collaborative skill with a final class project.

Prerequisite: Successful completion of or concurrent enrollment in FVM 1003 and FVM 1050 (grade C or better).

FVM 1055 - Writing the Short Script
3 Credit hours 60 Contact hours

Introduces short script writing where students conceptualize, write, rewrite, and polish their own scripts throughout the course building a portfolio for use in student productions. The course covers several writing techniques including the principles of construction, the role of subtext, creating dynamic characters, and the difference in theory between shorts and features.

Prerequisite: Successful completion of ENG 1021 AND FVM 1003 (grade C or better).

FVM 1060 - Video Post-Production I
3 Credit hours 60 Contact hours

Introduces the basic concepts and skills of video post-production with an emphasis on non-linear editing. The student will demonstrate comprehension of basic editing techniques to enhance visual storytelling. The student will learn to critically analyze shot construction, motion and composition in storytelling and character development for the films and exercises they shoot in FVM 1005 Video Production I.

Prerequisite: Successful completion of FVM 1003 AND Successful completion of or concurrent enrollment in FVM 1050, FVM 1017, ENG 1021 (grade of C or better). Corequisite: FVM 1005 .

FVM 1063 - Digital Editing: Premiere
3 Credit hours 60 Contact hours

Introduces the basic concepts and skills of non-linear editing using Adobe Premiere Non-Linear Editing Software. This course covers various editing techniques and how to apply the acquired knowledge to exercises. Develops an understanding of industry standards and expectations for aesthetic and technical merit. Capturing, outputting, and additional software integration will be demonstrated.

FVM 1064 - Digital Editing: Final Cut Pro
3 Credit hours 60 Contact hours

Introduces the basic concepts and skills of non-linear editing using Final Cut Pro. The student will demonstrate comprehension in various editing techniques and apply the acquired knowledge to exercises in the class. The student will analyze other editor's works for aesthetic and technical merit and develop an understanding of industry standards and expectations. Capturing, outputting, and software integration are covered.

FVM 1065 - Digital Editing: Avid
3 Credit hours 60 Contact hours

Introduces the basic concepts and skills of non-linear editing using Avid Media Composer. The student will gain facility in digitizing, compression, inputting, outputting, and software integration as well as the principles of nonlinear editing. The student will demonstrate comprehension in various editing techniques and apply the acquired knowledge to exercises in the class.

Prerequisite: Successful completion of FVM 1063 OR FVM 1064 (grade C or better).

FVM 1103 - Intimacy for Stage and Screen 1
3 Credit hours 45 Contact hours

Focuses on the best practices and technical work of being a qualified intimacy professional in film and theatrical workspaces. The course reviews terms and workplace etiquette to prepare for professional engagement in film and theatre. This course discusses the Screen Actors Guild–American Federation of Television and Radio Artists (SAG-AFTRA)

and legal requirements around nudity and intimacy, along with skill-building competencies for conducting professional meetings and accomplishing requirements of the job.

Prerequisite: Successful completion of FVM 1012 (grade C or better).

FVM 1181 - Topics in Film Studies
3 Credit hours 60 Contact hours

Surveys different genres, cultures, and movements, students will watch films and analyze within historical, social, and aesthetic contexts. Various topics may include Soviet Cinema, The Musical, Film Noir, Silent Cinema, Contemporary Global Cinema, etc.

FVM 1183 - Italian Neo-Realism and French New Wave Cinema
3 Credit hours 60 Contact hours

An examination of the Post War movements that revitalized world cinema and moved production out of the studios and into the streets. Students will identify components and analyze methods, concepts and theories. Stresses the work of Rossellini, De Sica, Goddard, Truffaut, and Renais.

FVM 1184 - Landmarks of Cinema
3 Credit hours 60 Contact hours

Students examine and analyze standout films of popular cinema from the last few decades with inquiry into what makes them rise above their peers. Students evaluate the films and research and interpret the work of individual film makers whose work interests them.

FVM 1185 - The Documentary Film
3 Credit hours 60 Contact hours

An overview of the subject, with an emphasis on the historical development of the documentary film. Classroom visits with local documentary filmmakers, analysis of documentary techniques, finding the story and the challenges of the medium.

FVM 1186 - The Horror Film
3 Credit hours 60 Contact hours

Provides an overview, history, and examination of the horror genre. Students will analyze films from a variety of perspectives: drama, history, culture, and film aesthetics and techniques. The approach will be by sub-genre, i.e. Vampires, Mad Scientists, Zombies, etc.

FVM 1187 - The Science Fiction Film
3 Credit hours 60 Contact hours

Provides an overview, history, and examination of science fiction movies, the ultimate "what if" films. Students will analyze films from a variety of perspectives: drama, history, culture, and film aesthetics and techniques. The approach will be by sub-genre, i.e. space travel, time travel, etc.

FVM 1188 - The Comedy Film
3 Credit hours 60 Contact hours

Provides an overview, history, and examination of the film comedy genre. Students will analyze films from a variety of perspectives; drama, history, culture and film aesthetics and techniques. Examines both style (Farce, Social Satire, Parody, etc.), and performers (Chaplin, Keaton, Fields, Marx Brothers, etc.), moving chronologically.

FVM 1224 - Digital Set Design
3 Credit hours 60 Contact hours

Explores the fundamentals and advanced techniques of digital set design for film production. This course covers the creation of realistic and imaginative digital environments using industry-standard software and workflows.

FVM 1965 - Content Creator
2 Credit hours 45 Contact hours

Provides essential skills and knowledge needed to become content creators. This course covers how to film and create high-quality content across various platforms, how to engage audiences, and how to analyze performance metrics to refine strategies and create a dynamic personal brand.

FVM 1977 - Content Creator Professional
3 Credit hours 60 Contact hours

Provides technical skills and knowledge necessary for creating professional content tailored to business environments, using professional industry standard equipment and software. This course covers how to develop content that effectively communicates business messages, engages professional audiences, and supports organizational goals.

Prerequisite: Successful completion of FVM 1965 And Successful completion of or concurrent enrollment in FVM 1022 (all grade C or better).

FVM 2000 - Video Production II
3 Credit hours 60 Contact hours

Engages students in more advanced productions, helping them to develop and demonstrate a mastery of the many skills necessary to make effective and successful films. Translates knowledge, methods and concepts developed in previous courses, into a creative, problem solving learn-by-doing filmmaking experience.

Prerequisite: Successful completion of ETH 2000 AND FVM 1005 AND (FVM 1055 OR FVM 2005 OR FVM 2008) (All grade C or better).

FVM 2002 - Film/Video Business
3 Credit hours 60 Contact hours

Introduces students to the basic principles of business and how they apply to the motion picture industry. The course covers a broad assortment of topics including new venture creation, intellectual property, accounting and finance. These topics are then applied to specific events or organizations inside of the industry to build context.

Prerequisite: Successful completion of ENG 1021 (grade C or better).

FVM 2004 - Art Direction
3 Credit hours 60 Contact hours

Introduces the historical and organizational role of the Art Director, script analysis technique, the research and pre-visualization process, and the parameters of the set. Students will explore the emotional content of artistic choices in regards to set, props, wardrobe and makeup. Analysis of character development and the characters' relationship to the space and the physical elements of the set will be explored. Students will learn to apply color and texture to support the story and character on a student production.

Prerequisite: Successful completion of FVM 1003 (grade C or higher).

FVM 2005 - Camera Techniques
3 Credit hours 60 Contact hours

The narrative importance of different camera angles, movements, and focal planes are analyzed. Students will examine how video and 16mm film cameras work, and various techniques used in composition and the acquisition of images. Students will demonstrate and apply technique by shooting specific exercises both in and out of class.

Prerequisite: Successful completion of FVM 1003 (grade C or better) and successful completion or concurrent enrollment in FVM 1050 (grade C or better).

FVM 2006 - Film/Video Lighting
3 Credit hours 60 Contact hours

Lighting design and aesthetics in interior, exterior, location and studio settings. Students will examine and analyze photographic and motion picture lighting and plan, design and implement their re-creation. Students will then demonstrate and apply technique by shooting specific exercises both in and out of class.

Prerequisite: Successful completion of FVM 1003 (grade C or better) and successful completion or concurrent enrollment in FVM 1050 (grade C or better).

FVM 2007 - Directing Workshop
3 Credit hours 60 Contact hours

This class is a workshop focusing on the directing process, specifically: interpretation of the script, working with actors, rehearsal, blocking for camera, preparation for shooting, camera motivation and dynamics. Our focus will be on directing actors, playable direction, script analysis, scene breakdown and rehearsal, actor preparation, improvisation as a tool and shot selection.

Prerequisite: Successful Completion of FVM 2000 or FVM 2020 all (grade C or higher).

FVM 2008 - Sound for Film/Video
3 Credit hours 60 Contact hours

This introduction to sound for film and video provides instruction on acquisition of audio on location and post-production methods. Students will apply the techniques and tools discussed in class to practical exercises and group environments. Students will analyze sound information to prepare projects for the post-production process and learn to synthesize the acquired results with the visual elements of the story to enhance the emotional impact of a piece. Students will be introduced to sweetening techniques, musical compositions and Foley.

Prerequisite: Successful completion of FVM 1003 (grade C or better) and successful completion or concurrent enrollment in FVM 1050 (grade C or better).

FVM 2009 - Production Management
3 Credit hours 60 Contact hours

This course teaches students how to plan, schedule, and budget for a feature length film or television pilot using Scheduling and Budgeting software. Students will use critical thinking to arrange and divide the script and learn how to predict, calculate, and estimate for insurance requirements, unions and guilds, and basic accounting to complete a professional industry budget and schedule ready for production.

Prerequisite: Successful completion of FVM 1003 (grade C or better) and successful completion or concurrent enrollment in FVM 1050 (grade C or better).

FVM 2011 - Studio Recording for Voice
3 Credit hours 60 Contact hours

Instructs the student in preparation and performance of song and dialogue for the screen. This course includes instruction on preparation and performance on camera and in the studio including studio protocol, microphone techniques, ADR and voicing animated characters. Students will explore sound and its effect on emotion and character and apply acquired techniques to support the story as defined visually.

Prerequisite: Successful completion of FVM 1017 (grade C or better) and successful completion or concurrent enrollment in FVM 1005 (grade C or better).

FVM 2012 - Contemporary Global Cinema
3 Credit hours 60 Contact hours

Students will explore some of the major themes and currents in filmmaking from around the globe during the past 40 years including differences between local traditions and transnational industrial and artistic practices, forces of globalization on a culture and its films, and historical and cultural context of the production and reception of individual films. Students will explore the concepts of global cinema, first, second, and third cinema, third-world cinema, and counter cinema.

Prerequisite: Successful completion of FVM 1050 (grade C or better).

FVM 2013 - Cinematography
3 Credit hours 60 Contact hours

Cinematography elucidates the integration of lighting, camera movement, visual aesthetics and actor blocking necessary for narrative development and character revelation in the translation of script to screen. This course focuses on how entire scenes may captured in a single dynamic camera movement ("sequence shot") that enhances the dramatic presentation of narrative flow and character arc through exploration of the three dimensional set of the scene and its interpretation to the two dimensional space of the screen.

Prerequisite: Successful Completion of FVM 1053, FVM 2005, FV 2006 all (grade C or better).

FVM 2015 - Post-Production II
3 Credit hours 60 Contact hours

Instructs students in editing techniques using footage shot in FVM 2000 Production II and from assigned footage. Students will explore various exercises to learn control and comprehension of digital editing and storytelling and to apply these techniques to the completion of a final edit for Production II. Students will continue to use and gain mastery over non-linear editing systems including an introduction to audio post-production, music creation and placement and color correction. Students will learn to evaluate footage and edit pieces with strong character development and strong narrative structure.

Prerequisite: Successful completion of FVM 2020 (grade C or better) OR successful completion or concurrent enrollment in FVM 2000 (grade C or better).

FVM 2016 - Producing the Independent Film
3 Credit hours 60 Contact hours

Introduces students to the basic principles of producing the independent feature film. Students will further develop their feature film premise by creating a business plan which includes marketing, financing, and distribution as well as measuring, analyzing and assessing the industry, box office, markets and risk factors. Upon completion of the course, students will be prepared to present their project to prospective investors.

Prerequisite: Successful completion of FVM 2009 (grade C or better).

FVM 2017 - Acting for the Screen
3 Credit hours 60 Contact hours

This advanced, third-level acting course is designed for students who want to learn professional skills. Course will provide the students with enhanced acting abilities to develop multiple skills regarding the creation of dramatic characters. Students will learn set protocol, film technology and logistics.

Prerequisite: Successful completion of FVM 1005 AND FVM 1017 (grade C or better).

FVM 2018 - Screen Actor Movement/Action I
3 Credit hours 60 Contact hours

This first level is an introduction to skills that will bring basic movement awareness. This course is designed to expand concepts of movement

specifically for film acting by developing a metaphoric language to apply to characterization and enhance the student's general physical ability, observational skills, and confidence when acting.

Prerequisite: Successful completion of FVM 1017 (grade C or better) and successful completion or concurrent enrollment in FVM 1005 (grade C or better).

FVM 2019 - Screen Performance Workshop
3 Credit hours 60 Contact hours

This class offers opportunity to perform in advanced student productions and professional projects in this capstone course for the Acting for the Screen Certificate Program. Students will perform a variety of roles, demonstrating ability to create believable characters with convincing through lines. Student will apply textual analysis and character development to performances in this workshop environment. The performances developed in this course will be evaluated and edited into an actor's reel as a component of their professional resume.

Prerequisite: Successful completion of FVM 1005, FVM 1017, FVM 1018, FVM 1050, FVM 1060, FVM 2017 (grade C or higher).

FVM 2020 - 16MM/HD Production
3 Credit hours 60 Contact hours

Students pitch scripts to class and instructor for selection as 16mm projects, then crew and produce them. Emphasis will be placed on student's ability to tell a compelling story visually, including familiarity with the continuity style of the contemporary movie and a heightened awareness of composition and traditional three-dimensional design, while remaining open to and aware of more avant-garde and experimental forms and approaches.

Prerequisite: Successful completion of ETH 2000 AND FVM 1005 AND (FVM 1055 OR FVM 2000)) (all grade C or better).

FVM 2021 - Commercial Media Production
3 Credit hours 60 Contact hours

Focuses on the creation of compelling stories for professional clients designed to stimulate web and/or television audience response. The course will emphasize the demands of focused and brief communication to potential customers through the creation of commercials that surprise and delight viewers. Course work includes crafting scenes, scenarios and spots for national, local and regional clients.

Prerequisite: Successful completion of FVM 2000 or FVM 2020 (grade C or better).

FVM 2022 - Writing the Web Series
3 Credit hours 60 Contact hours

Provides an in-depth study of content creation for web series. Evaluate what makes a successful web series from narrative, production, business and marketing perspectives. Students will apply the principles learned from their evaluations to create content for existing and original web series.

Prerequisite: Successful completion of FVM 1055 (grade C or higher).

FVM 2023 - Color Grading
3 Credits 60 Contact hours

Develops professional digital color gradings which support story, are consistent in style or look, and meets industry standards in terms of technical requirements of the ultimate delivery format. The course explains the use of the color tools/software prevalent in the industry and incorporates the knowledge gleaned in lecture and hands-on exercises into a practical professional application.

Prerequisite: Successful completion of FVM 1053 or FVM 1063 or FVM 1064 (grade C or better).

FVM 2028 - Screen Actor Movement/Action II
3 Credit hours 60 Contact hours

This class continues the student's training of physical-based acting techniques. Through the innovative techniques learned in Movement I, students are challenged weekly to expand previous trainings of performance and expression. Introduction of basic stunt work will be illustrated and choreography will also be trained. Techniques that will be used include: Mudra Space Awareness, Five Element Acting, and meisner-based exercises.

Prerequisite: Successful completion of FVM 1017 (grade C or better) and successful completion or concurrent enrollment in FVM 1005 (grade C or better).

FVM 2029 - Production III Preparation
3 Credit hours 60 Contact hours

Presents a rigorous overview in development and pre-production for Production III projects. Students will analyze, rewrite and polish short scripts in development for production as well as formulate, plan and prepare by scheduling, budgeting, and casting their projects in preparation for production.

Prerequisite: Successful completion or concurrent enrollment in FVM 2007 OR FVM 2051 all (grade C or better).

FVM 2032 - Writing the TV Pilot
3 Credit hours 60 Contact hours

Provides an introduction into television writing. Students will explore all facets of creating original content for the broadcast medium. Emphasis will be on writing and workshopping a television pilot and the ancillary materials required to create and to market it.

Prerequisite: Successful completion of FVM 1055 (grade C or better).

FVM 2034 - Mental Health Coordination 2
3 Credit hours 45 Contact hours

Focuses on mental health coordination within artistic workplaces for live and recorded performance in theatre and film. This course emphasizes the portrayal of challenging topics, focusing on mental illness, destigmatization, and intersectional care. This course explores ethical storytelling and essential skills for intervention and referral within artistic settings, and includes advanced skills and knowledge to begin a career as a Mental Health Coordinator in the performance and cinematic arts industries.

Prerequisite: Successful completion of FVM 1031 (grade C or better).

FVM 2036 - Creative Producing
3 Credit hours 60 Contact hours

This course introduces the role of the creative producer contrasting historical and contemporary roles. Students will assess, analyze, and compare scripts at the conceptual level in story development to plan, predict, estimate, and design a script from conception through pre-production, production and post-production on a student film project. Students will also begin development on a feature film project by evaluating ideas from magazines, newspapers, novels, short stories, and screenplays. Emphasis will be on the creative process of story development and pre-production as it relates to the craft of producing.

Prerequisite: Successful completion of FVM 1055 (grade C o better).

FVM 2042 - Writing the TV Spec Script
3 Credit hours 60 Contact hours

Explore how to write teleplays for existing TV shows as a stepping stone toward gaining employment as a professional television writer. Designed as an in-depth study of "spec" television writing, students emulate industry practices by working in a “writer’s room” to develop and write

teleplays for current TV shows that demonstrate the student's abilities to work within the unique demands of television production.

Prerequisite: Successful completion of FVM 1055 (grade C or better).

FVM 2043 - Writing for Interactive Games
3 Credit hours 60 Contact hours

Explores interactive storytelling for video and computer games in a project-based learning environment. The course focuses on blending cinematic storytelling and game play through the creation of characters, plots, dialogue and branching story arcs. While the emphasis will be on the creation of branching narrative fiction games, the course will include additional writing skills particular to interactive gaming.

Prerequisite: Successful completion of FVM 1055 (grade C or better).

FVM 2048 - Post-Production Sound
3 Credit hours 60 Contact hours

The Post-Production Sound course continues instruction on the theories and technical aspects of editing, mixing, mastering, and audio synchronization to video and film. Students will evaluate footage acquired on location and work with digital audio workstations to fix problems and create "clean" dialogue and location sounds. The student will be introduced to Automatic Dialogue Replacement and recording audio for video sync. Students will continue to learn to synthesize audio elements (dialogue, music and effects) with the visual elements of the story to enhance the emotional impact of a piece. Students will also continue to explore audio sweetening techniques, musical compositions and Foley.

Prerequisite: Successful completion of FVM 2008 (grade C or better). .

FVM 2051 - Feature Script Analysis
3 Credit hours 60 Contact hours

This course is designed to familiarize students with advanced feature screenplay analysis by applying, combining, and integrating story knowledge in the form of written evaluation of material (script coverage). Students will read, analyze, and compare several writers' works from major production companies, studios, and agencies in development and critically evaluate and assess material in order to recommend or pass on the project for future production.

Prerequisite: Successful completion of ENG 1021 (grade C or better) OR successful completion or concurrent enrollment in FVM 1055 (grade C or better).

FVM 2052 - Writing the Independent Film
3 Credit hours 60 Contact hours

Designed toward writing low-budget, independent feature-length screenplays, this screenwriting course focuses on turning production liabilities into creative opportunities through the innovative use of non-traditional, character-driven narratives. Students will research, conceptualize, outline, write and workshop a complete first draft of a feature-length screenplay.

Prerequisite: Successful completion of FVM 2051 (grade C or better).

FVM 2062 - Writing the Hollywood Feature
3 Credit hours 60 Contact hours

Geared specifically toward writing feature-length screenplays for the spec market, this intensive screenwriting course focuses on genre-based, high-concept Hollywood narratives. Students will conceptualize, outline, and write a complete first draft of a feature-length spec screenplay in a hands-on, workshop environment designed for individuals seeking careers as professional screenwriters.

Prerequisite: Successful completion of FVM 2051 (grade C or better).

FVM 2063 - Digital Compositing
3 Credit hours 60 Contact hours

Covers digital compositing and visual effects (VFX) using industry standard compositing software. The course will design characters, plots, dialogue, and branching story arcs, blending game play with cinematic storytelling. While the emphasis will be on the creation of branching narrative fiction games, the course will demonstrate additional writing skills particular to interactive gaming.

Prerequisite: Successful completion of FVM 1063 or FVM 1064 (grade C or better).

FVM 2064 - Digital Effects
3 Credit hours 60 Contact hours

Introduces Digital Effects software and methods for creating digital effects in the post-production environment. Students will achieve mastery in simple animation and understand the principles of animation as defined historically. Students will analyze style and emotional aesthetic and learn to support story by synthesizing video elements with effects. The coursework covers compositing, alpha channels, 2D and 3D effects.

Prerequisite: Successful completion of FVM 1063 or FVM 1064 (grade C or higher).

FVM 2067 - Editing Aesthetics
3 Credit hours 60 Contact hours

Seeks to uncover the building blocks, personal decisions, and practices that make up the craft of editing. Introduces contemporary applications of rhythm, pace, structure, and general rules of thumb for cutting and examines the historical development of the craft. Students analyze the storytelling techniques of master editors in a variety of genres to help them in the discovery of their own editorial voice.

Prerequisite: Successful completion of FVM 2015 OR FVM 1063 OR FVM 1064 (all grade C or better).

FVM 2068 - Feature Rewrites Workshop
3 Credit hours 60 Contact hours

Introduces students to the rewriting process for feature film screenplays. Students will workshop and rewrite first draft screenplays created in FVM 2052 or FVM 2062 to professional standards. Emphasis is on the rewriting process to revise, edit and refine scripts based on peer review and instructor feedback.

Prerequisite: Successful completion of FVM 2052 or FVM 2062 (grade C or higher). Corequisite: FVM 269.

FVM 2069 - Screenwriter's Workshop
3 Credit hours 60 Contact hours

Designed as a culminating course for screenwriters, this class prepares students for the transition from student-learners to working professionals. Students will complete final polishes on scripts, prepare a submission plan for screenwriting contests and production companies, write query letters and submit their screenplays to contests and producers. In addition, students will explore the business of professional screenwriting.

Prerequisite: Successful completion of FVM 2052 or FVM 2062 (grade C or higher). Corequisite: FVM 2068.

FVM 2070 - Film/Video Production III
3 Credit hours 60 Contact hours

Students take their developed scripts and pre production work from FVM 2029 Production III Preparation, and realize their production during the course of this class. Students polish the screenplay, finish casting, art direction, location scouting, shot listing, location surveys, planning for post, rehearsing, developing acting and directorial charts and realizing performances. Directing, Producing, Cinematography, Post, and Acting students collaborate on creating films and videos that showcase the highest quality of professional production and storytelling values in their

finished project. Students complete an assembly edit, schedule and execute any pickups within the course.

Prerequisite: Successful completion of (FVM 2020 and FVM 2013) OR FVM 2029 (all grade C or higher).

FVM 2071 - Post-Production III
3 Credit hours 60 Contact hours

This course is a companion course to the Production III class and will continue to instruct students in advanced techniques in Final Cut Pro and on the integration of third party software applications. Students will directly apply the techniques from this class to the edit of their Production III project. Students will complete polished and professional edits including sophisticated use of sound, titles, and music in the realization of character, narrative, and thematic goals.

Prerequisite: Successful completion of FVM 2070 OR FVM 2064 OR 2067 (ALL grade C or higher).

FVM 2073 - Professional Documentary Production
3 Credit hours 60 Contact hours

The Professional Documentary Production class allows students to propose, research, write and shoot their own original documentary projects, or to engage in the work with non-profit clients in a professional documentary production program that can lead to federal scholarships upon the completion of 350 hours of work.

Prerequisite: Successful completion of (FVM 2000 or FVM 2020) AND (FVM 1185 OR successful completion or concurrency in FVM 2016 (all grade C or higher).

FVM 2075 - Special Topics in Film Video
3 Credit hours 60 Contact hours

Offers a variety of courses on a one-time or experimental basis. Courses can include skills, production, or appreciation content.

Prerequisite: Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.

FVM 2080 - Intimacy and Mental Health Internship
1-12 Credit hours 45-540 Contact hours

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines

Prerequisite: Successful completion of FVM 2103 OR FVM 2034 (grade C or better).

FVM 2087 - Internship
3 Credit hours TBA Contact hours

Provides Internship in the industry. Minimum of 130 hours.

Prerequisite: Successful completion of FVM 1005 (grade C or better).

FVM 2103 - Intimacy for Stage and Screen 2
3 Credit hours 45 Contact hours

Provides practical skills to enter the workforce as a qualified intimacy professional in film and theatre workspaces. The course covers movement coaching and choreography as well as the specific techniques and skills required to adapt and advocate for performers throughout the creative process.

Prerequisite: Successful completion of FVM 1103 (grade C or better).

FVM 2122 - Virtual Production
3 Credit hours 60 Contact hours

Explores the virtual production workflow using a green screen volume studio. This course focuses on integrating live-action footage with digital environments, covering the entire process from conception to final compositing. Topics include pre-production planning, green screen techniques, real-time compositing, and post-production integration.

FVM 2143 - Welcome to Unreality
3 Credit hours 60 Contact hours

Introduces interactive, 3-D rendering engines, for virtual film production and interactive game applications. This course covers essential skills for creating interactive environments and realistic animations.

GEO - Geography Courses

GEO 1005 - World Regional Geography (GT-SS2)
3 Credit hours 45 Contact hours

Examines the spatial distribution of environmental and societal phenomena in the world's regions. Environmental phenomena includes topography, climate, and natural resources. Societal phenomena includes patterns of population and settlement, religion, ethnicity, language, and economic development. This course also analyzes the characteristics that define world regions and distinguishes them from each other. This course examines the relationships between physical environments and human societies, and examines globalization, emphasizing the geopolitical and economic relationships between more developed and less developed regions. This is a statewide Guaranteed Transfer course in the GT-SS2 category.

GEO 1006 - Human Geography (GT-SS2)
3 Credit hours 45 Contact hours

Introduces students to geographic perspectives and methods in the study of human societies by examining the spatial characteristics of populations, language, religion, ethnicity, politics, and economics. Examines the relationships between physical environments and human societies.

GEO 1011 - Physical Geography-Landforms with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Introduces students to the principles of Earth's physical processes, emphasizing landforms, soils, and hydrology. Examines the formation and distribution of landforms, such as mountains, valleys, and deserts, and their shaping by fluvial and other processes. The course incorporates an integrated process of lectures, discussion, and laboratory assignments.

GEO 1012 - Physical Geography-Weather and Climate with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Introduces the principles of meteorology, climatology, world vegetation patterns, and world regional climate classification. Course is conducted through an integrated process of lecture, discussion, and laboratory assignments and may be transferred to colleges and universities as a science credit.

GEY - Geology Courses

GEY 1111 - Physical Geology with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Introduces the major topics of geology. Course content encompasses Earth's materials, structure, and surface landforms. Geologic time and the geologic processes responsible for Earth's internal and external features are covered. This course includes laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English and Quantitative Math (See Glossary for more detail).

GEY 1112 - Historical Geology with Lab (GT-SC1)
4 Credit hours 90 Contact hours

Covers the development of Earth through the vast span of geologic time. Emphasis is on the investigation and interpretation of sedimentary rocks and features, the record of ancient environments, fossil life forms, and physical events in Earth's history within the framework of plate tectonics. This course includes laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of GEY 1111 (grade C or better) .

GEY 1135 - Environmental Geology with Lab (GT-SC1)
4 Credit hours 60 Contact hours

Introduces the subject of geology as it relates to human activities. Geologic hazards such as floods, landslides, earthquakes, and volcanoes are investigated. Mineral, energy, soil, and water resources are discussed in terms of their geologic formation and identification, usage by society, and associated environmental impacts. Land use issues, waste, and pollution are also examined.

Prerequisite: College Readiness in English and Quantitative Math (See Catalog Guide for more detail).

GEY 2075 - Special Topics
0-12 Credit hours 5-90 Contact hours

Provides students with a vehicle to pursue in depth exploration of a special topic of interest.

HIS - History Courses

HIS 1110 - The World: Antiquity - 1500 (GT-HI1)
3 Credit hours 45 Contact hours

Explores trends within events, peoples, groups, ideas, and institutions in World History from antiquity to 1500. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This course focuses on common cultural trends. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 1120 - The World: 1500 - Present (GT-HI1)
3 Credit hours 45 Contact hours

Explores trends within events, peoples, groups, ideas, and institutions in World History since 1500 as well as on common cultural trends. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through the perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 1210 - US History to Reconstruction (GT-HI1)
3 Credit hours 45 Contact hours

Explores trends within events, peoples--including Native American--groups, ideas, and institutions in North America and the United States to Reconstruction. This class focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 1220 - US History Since Civil War (GT-HI1)
3 Credit hours 45 Contact hours

Explores trends within events, peoples, groups, ideas, and institutions since the American Civil War. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 1310 - Western Civilization: Antiquity - 1650 (GT-HI1)
3 Credit hours 45 Contact hours

Explores trends within events, peoples, groups, ideas, and institutions in Western Civilization from antiquity to 1650. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 2005 - Women in World History (GT-HI1)
3 Credit hours 45 Contact hours

Examines the roles, experiences, and contributions of women in world history and explores ways in which women's history modifies the traditional interpretations of historical events. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 2015 - 20th Century World History (GT-HI1)
3 Credit hours 45 Contact hours

Investigates the major political, social, and economic developments, international relationships, scientific breakthroughs, and cultural trends that have shaped the various global regions, empires, and nation-states since the late nineteenth century. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 2105 - Women in U.S. History (GT-HI1)
3 Credit hours 45 Contact hours

Examines women’s changing roles in American history. It explores the nature of women's work and the participation of women in family, political, religious, and cultural activities and in social reform movements. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 2110 - African American History (GT-HI1)
3 Credit hours 45 Contact hours

Explores the experiences and contributions of African Americans from the colonial period to the present through the social and economic lives and roles of African Americans, their roles in politics and war, their achievements, and movements for self-help and civil rights. This course

focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 2115 - American Indian History (GT-HI1)
3 Credit hours 45 Contact hours

Analyzes historical and socio-cultural change for Native Americans from pre-colonial America to the present, emphasizing those processes and relations with non-Native Americans which have contributed to current conditions. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 2135 - Colorado History (GT-HI1)
3 Credit hours 45 Contact hours

Presents the story of the people, society, and cultures of Colorado from its earliest Native Americans, through the Spanish influx, the explorers, the fur traders, mountain men, the gold rush, railroad builders, the cattlemen and farmers, the silver boom, the tourists, and the modern state. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HIS 2200 - History of Latin America (GT-HI1)
3 Credit hours 45 Contact hours

Focuses on the major political, economic, social, and cultural influences that have shaped Latin America from pre-European conquest to the present. Emphasizes the early history of Latin America but connects it to the present. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

HPR - Health Professional Courses

HPR 1000 - Introduction to Health
3 Credit hours 45 Contact hours

Provides foundational knowledge and skills necessary for careers in health care. This course covers basic health skills such as vital signs, hand washing, and Cardiopulmonary Resuscitation (CPR).

HPR 1001 - Introduction to Health Care
2 Credit hours 30 Contact hours

Introduces health sciences with an overview of the five pathways that make up the health science cluster. The course addresses the foundation standards including health maintenance, employability skills, teamwork, healthcare systems, communications, and legal issues in healthcare.

HPR 1002 - Health Career Opt & Readiness
1 Credit hours 15 Contact hours

Discusses current market trends in the medical profession, professional opportunities, continuing education, and professional affiliations. Discussions regarding resumes, portfolios, letters of inquiry, and interviewing techniques, as well as job search information is provided. This course is primarily informational and provides information to the student about aspect of career choices.

HPR 1004 - Health Career Practices
2 Credit hours 30 Contact hours

Introduces the concepts and skills needed for a career in health care incorporating foundational theory with technical skills. The course focuses on health occupations, health settings, careers, and principles of patient care; concepts of ethics and bioethics; safety practices including infection control, personal and environmental safety, and emergency procedures and protocols; common and emerging diseases and disorders. The course consists of fundamental skills of basic care and reviews, medical math, cardiopulmonary resuscitation (CPR), and first aid.

HPR 1006 - Customer Service in Health Care
2 Credit Hours 30 Contact Hours

Introduces students to customer service theory and techniques specifically in the health care arena. This course will discuss therapeutic communication, conflict resolution and negotiation, as well as employee/employer relations. Exploration of diverse populations and cultural sensitivity will be addressed.

HPR 1007 - Computers in Health Care
2 Credit hours 30 Contact hours

Introduces basic computer technology, file management, and PC system components as used in Health Care settings. Provides an overview of word processing, spreadsheets, and personal information management software. Introduces the Electronic Health Record (EHR), its content, EHR software, EHR management, patient management and scheduling, and privacy and security of the EHR.

HPR 1008 - Law & Ethics for Health Professionals
2 Credit hours 30 Contact hours

Introduces student to the study and application medico-legal concepts in medical careers. This course seeks to establish a foundation for ethical behavior and decision making in health professions.

HPR 1009 - Health Finance Matters
1 Credit hour 15 Contact hours

Emphasizes an understanding of how to interpret bills, dealing with billing and collection problems, and learning billing and insurance terms.

HPR 1010 - Dietary Nutrition
1 Credit hour 15 Contact hours

Studies the basic nutritional principles in clinical practice in health care. The course will cover factors which influence the nutritional status of individuals, methods of nutritional assessment and support, and diet modification for specific disease states.

HPR 1017 - Anatomical Kinesiology
3 Credit hours 45 Contact hours

Studies the Anatomical Basis of Human Movement.

HPR 1020 - Phlebotomy
4 Credit hours 75 Contact hours

Covers the duties associated with the practice of venipuncture, capillary puncture, and special collection procedures. This course provides experience with quality control, infection control, safety procedures, as well as laboratory computer systems. Successful completion of this course, with an adequate number of blood draws, will constitute eligibility for application for a National Phlebotomy Registry Examination.

HPR 1038 - Introduction to Medical Terminology
1 Credit hour 15 Contact hours

Introduces the structure of medical terms with emphasis on using and combining the most common prefixes, roots, and suffixes. This course includes terms related to major body systems and provides accepted pronunciation of terms.

HPR 1040 - Comprehensive Medical Terminology
3 Credit hours 45 Contact hours

Provides an in-depth study of the structure of medical terms with emphasis on using and combining common prefixes, roots and suffixes. This course includes terms related to major body systems, oncology, and psychiatry as well as clinical laboratory and diagnostic procedures, and imaging, and provides accepted pronunciation of terms and relative use in the healthcare setting.

HPR 1050 - Basic EKG Interpretation
2 Credit hours 30 Contact hours

Provides instruction for interpretation of EKG strips, anatomy and physiology of the heart, using three-lead monitoring as a guide. Twelve-lead EKG may be discussed.

Prerequisite: Department Approval .

HPR 1075 - Special Topics
0-12 Credit Hours 0-180 Contact Hours

Presents an overview of the special topic including one aspect of the earth and its history as recorded in rocks and rock formations. May also include current changes and impact of historical events, exploration of current topics, issues, and activities related to one or more aspects of the named discipline.

HPR 1080 - Internship (Phlebotomy)
3 Credit hours 80 Contact hours

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Prerequisite: Department Approval.

HPR 2075 - Special Topics
1-12 Credit Hours 15-180 Contact Hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

HPR 2089 - Capstone
0-12 Credit hours 0-200 Contact hours

Facilitates transition from student to graduate through a comprehensive application of knowledge by preparing students to take their national certification exam as required by industry for employment.

HUM - Humanities Courses

HUM 1015 - World Mythology (GT-AH2)
3 Credit hours 45 Contact hours

Introduces an interdisciplinary approach to world mythology. The course illustrates and connects common themes in mythology to world religion, philosophy, art, literature, music, and contemporary culture using various interpretive methods. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

HUM 1021 - Humanities: Early Civilizations (GT-AH2)
3 Credit hours 45 Contact hours

Introduces the interdisciplinary study of ideas that have defined cultures through a survey of the visual, performing, and literary arts, emphasizing connections among diverse cultures, including European and non-European, from the prehistoric to the early medieval era. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

HUM 1022 - Humanities: Medieval-Modern (GT-AH2)
3 Credit hours 45 Contact hours

Examines written texts, visual arts, and musical compositions to analyze and reflect the evolution and confluence of cultures in Europe, Asia and the Americas from 800 C.E. to 1750 C.E.

HUM 1023 - The Modern World (GT-AH2)
3 Credit hours 45 Contact hours

Introduces the interdisciplinary study of ideas that have defined cultures through a survey of the visual, performing, and literary arts, emphasizing connections among global cultures from the European Enlightenment to the postmodern era. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

HUM 2075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

HWE - Health Wellness Education Courses

HWE 1018 - Skills and Methods of Teaching Weight Training
3 Credit hours 45 Contact hours

This Skills and Methods of Teaching Weight Training class is intended for students in the Human Performance Program. It is designed to acquaint the student with the basic skills, methods and techniques necessary to be a competent exercise leader in the area of resistance training. Emphasis will be placed on understanding selection of appropriate teaching progressions that relate to the weight room and fitness facility as well as the science of human motion and muscle/joint structure and function as it relates to fitness.

Prerequisite: Permission of the Instructor.

HWE 1050 - Human Nutrition
3 Credit hours 45 Contact hours

Introduces basic principles of nutrition with emphasis on personal nutrition. This course focuses on macro and micro nutrients and their effects on the functions of the human body. Special emphasis is placed on the application of wellness, disease, and lifespan as it pertains to nutrition.

HWE 1061 - Fitness and Wellness
2 Credit hours 30 Contact hours

Provides information on fitness and wellness and to serve as a guide to design, implement, and evaluate a complete personal fitness and wellness program. The course integrates the basic components of fitness and wellness in understanding human health in order to achieve well-being. This course offers current information in the health field and provides self-assessments for health risk and wellness behaviors. This includes lifestyle modification, nutrition, weight management, stress management, cardiovascular and cancer risk reduction, exercise and aging, exercise related injury, exercise and the environment, prevention of sexually transmitted diseases, substance abuse (including tobacco, alcohol and other psychoactive drugs), and analysis and interpretation of research publications and web sites in health and wellness.

Prerequisite: Permission of the Instructor.

HWE 1063 - Fitness Conditioning and Wellness
2 Credit hours 30 Contact hours

Provides the proper techniques and guidelines for a student to develop a personal lifetime program that improves fitness and promotes preventive care and personal wellness. In addition, this course offers instruction in cardio-vascular endurance, muscular strength and endurance training, flexibility training, and body composition management to meet individual needs.

Prerequisite: Permission of the Instructor.

HWE 1064 - Weight Management and Exercise
2 Credit hours 30 Contact hours

Offers guided instruction in weight management and exercise to students interested in learning more about weight control. Emphasis is place on the development of weight management programs, review of current trends and diets, essential nutrients, eating disorders, special populations, and the role of exercise in weight management.

HWE 1067 - ACE Personal Trainer Prep
2 Credit hours 30 Contact hours

Provides the student with theoretical knowledge and practical skills in preparation for the American Council on Exercise (ACE) national certification exam in personal training. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the client-trainer relationship, conducting health and fitness assessments, and designing and implementing appropriate exercise programming.

Prerequisite: Permission of the Instructor.

HWE 1068 - Certified Personal Trainer Preparatory Course
3 Credit hours 45 Contact hours

Provides knowledge and skills to prepare for a nationally recognized personal training certification. The course includes the development and implementation of exercise programs for healthy populations, and for individuals with medical clearance to exercise.

Prerequisite: Permission of the Instructor.

HWE 2060 - Exercise, Nutrition and Body Composition
3 Credit hours 45 Contact hours

Discusses the concepts of improved performance in all fitness areas. Emphasis is placed upon updated information associated with nutrition and human performance. Measurement of body composition is used as it correlates to training and diet/exercise programs.

Prerequisite: Permission of the Instructor.

HWE 2061 - Exercise and Sports Psychology
3 Credit hours 45 Contact hours

Teaches students how to apply behavioral principles and techniques that may help people increase their motivation to exercise and change health-impairing behaviors. The course is based on research, theory, and practical application in the field of physical activity. Examination of theories and current research related to sport and exercise behavior will be covered. The student will be introduced to the field of kinesiology by providing a broad overview of the major topics in the area. THIS COURSE WILL NOT FULFILL AN AA TRANSFER CREDIT FOR PSYCHOLOGY.

Prerequisite: Permission of the Instructor.

HWE 2062 - Physiology of Exercise
3 Credit hours 45 Contact hours

Introduces the student to the physiological responses and adaptations of individuals to exercise as well as the application to sports medicine, rehabilitation and general fitness. The laboratory provides experiences that demonstrate the underlying theoretical constructs that govern physiological responses and adaptations to exercise.

Prerequisite: Permission of the Instructor.

HWE 2063 - Exercise Testing Prescription
3 Credit hours 45 Contact hours

Provides the opportunity to conduct and practice fitness assessments. Fitness test results are evaluated and interpreted to develop an individualized exercise prescription that adheres to national standards.

Prerequisite: Permission of the Instructor.

HWE 2075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

LEA - Law Enforcement Academy Courses

LEA 1001 - Basic Police Academy I
6 Credit hours 180 Contact hours

Conforms to POST (Peace Officer standards and Training) standards and Colorado state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a peace officer. Emphasis will be on simulating actual situations utilizing both a lecture and laboratory mode of learning.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1002 - Basic Police Academy II
12 Credit hours 270 Contact hours

Conforms to POST (Peace Officer Standards and Training) standards and state certification requirements as well as the basic skills and knowledge to perform the entry level duties of a peace officer. Emphasis will be on simulating actual situations utilizing a lecture and laboratory mode of learning.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1003 - Basic Law Enforcement Academy III
2 Credit hours 60 Contact hours

Enhances the standards established by the P.O.S.T. Board and state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a Police Officer. Emphasis will be on expanding the P.O.S.T. curriculum to create a unique learning experience.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1004 - Basic Law Enforcement Academy IV
1 Credit hour 15 Contact hours

Enhances the standards established by the P.O.S.T. Board and state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a Police Officer. Emphasis will be on expanding the P.O.S.T. curriculum to create a unique learning experience.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1005 - Basic Law
8 Credit hours 120 Contact hours

Conforms to the Colorado POST (Peace Officer Standards and Training) standards and state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a peace officer. Emphasis will be on United States Constitution, arrest, search and seizure, interrogation and confessions, rules of evidence, Colorado Criminal Code, Colorado Traffic Code, Colorado Children's Code, Liquor Code and controlled substances.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1006 - Arrest Control Techniques
3 Credit hours 148 Contact hours

Conforms to POST (Peace Officer Standards and Training) standards and Colorado state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a peace office. Exploration of the skills, knowledge and abilities necessary to effectively maintain control of a suspect when making an arrest. Explains the continuum of force and de-escalation of force.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1007 - Law Enforcement Driving
3 Credit hours 67.5 Contact hours
Covers the skills, knowledge, and abilities required for operation of a law enforcement vehicle. Defensive driving will be stressed. Students will demonstrate skills by driving a vehicle under simulated conditions.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1008 - Firearms
3 Credit hours 72 Contact hours

Conforms to POST (Peace Officer Standards and Training) standards and Colorado state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a peace officer. Discusses the skills, knowledge and abilities necessary to safely use police firearms. Students will demonstrate skills by firing weapons on a firing range. The student will demonstrate basic safety techniques and will be able to explain the firearms role within the continuum of force.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1018 - Report Writing
3 Credit hours 45 Contact hours

Identifies the areas of concern in regards to proper documentation of police-related activities. Focuses on report-writing skills, proper structuring of interviews, and chronological documentation of events. Proper sentence structure, the use of correct terminology, and accuracy in written reports.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1026 - Patrol Procedures
3 Credit hours 45 Contact hours

Features an in-depth study of the basic knowledge and skills required of a peace officer to safely and effectively accomplish patrol procedure.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 1060 - P.O.S.T. Refresher Academy
6 Credit hours 180 Contact hours

Allows refresher training for individuals who have held a P.O.S.T. certificate in the past or who hold a P.O.S.T. certificate from a State that has a reciprocity agreement with the Colorado P.O.S.T. organization. This course of instruction is designed by Colorado P.O.S.T. The course of instruction covers: Administration of Justice, Basic Law, Patrol Procedures, Use of Force, Law Enforcement Driving and a Firearms Training Program.

Prerequisite: Requires acceptance to CCA Police Academy.

LEA 2040 - Criminal Investigations
3 Credit Hours 45 Contact hours

Warning: This class may expose students to extremely graphic images of authentic crime scenes; lectures may include detailed descriptions and photo work of homicides and other crimes of violence. Introduces investigation methods and procedures from preliminary through the follow-up stages.

LIT - Literature Courses

LIT 1015 - Introduction to Literature (GT-AH2)
3 Credit hours 45 Contact hours

Introduces fiction, poetry, and drama. This course emphasizes active and responsive reading. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 1075 - Special Topics
1-12 Credit hours 15-90 Contact hours

Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

LIT 2001 - World Literature to 1600 (GT-AH2)
3 Credit hours 45 Contact hours

Examines significant writings in world literature from the ancients to the seventeenth century. It emphasizes active reading and understanding of the works and their cultural backgrounds. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2002 - World Literature after 1600 (GT-AH2)
3 Credit hours 45 Contact hours

Examines significant writings in world literature from the seventeenth century to the present. It emphasizes active reading and understanding of the works and their cultural backgrounds. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2005 - Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)
3 Credit hours 45 Contact hours

Examines the cultural, historical, and social contexts impacting multiple ethnic American identities through critical reading and analysis. This course focuses on significant works by authors who identify as African American, Native American, Latino/a, Asian American, and other ethnicities. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2011 - American Literature to Civil War (GT-AH2)
3 Credit hours 45 Contact hours

Examines American literary works from pre-European arrival on the continent up to the Civil War, including works from diverse people that contributed to American literature. This course also explores historical and social contexts within various genres. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2012 - American Literature after Civil War (GT-AH2)
3 Credit hours 45 Contact hours

Examines American literary works from 1865 to the present, distinguishing among literary themes, genres, and schools of thought that illustrate historical and social contexts across a multicultural spectrum. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2021 - British Literature to 1770 (GT-AH2)
3 Credit hours 45 Contact hours

Examines major works of British literature from the Anglo-Saxon period through the 17th century. Explores the historical, political, and social contexts of the works as well as the major themes which reflect and/or critique the social assumptions and values of the times. Besides fostering an understanding of works essential to western culture, the course will examine how these works are still influential and relevant to contemporary thought and culture. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2022 - British Literature since 1770 (GT-AH2)
3 Credit hours 45 Contact hours

Examines major works of British literature from the 18th century to the present. Explores the historical, political, and social contexts of the works and the major themes authors used to reflect and critique the social assumptions of their times. Besides fostering an understanding of works essential to western culture, the course examines how these works are still influential and relevant to contemporary thought and culture. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2025 - Introduction to Shakespeare (GT-AH2)
3 Credit hours 45 Contact hours

Explores works by William Shakespeare, focusing on a careful reading of these works as well as an exploration of pertinent contextual and historical information. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2046 - Literature of Women (GT-AH2)
3 Credit hours 45 Contact hours

Examines the techniques and themes in literature of various genres by and about women by considering what it means for women to be in literature, as characters and also as authors. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2055 - Children's Literature (GT-AH2)
3 Credit hours 45 Contact hours

Examines the criteria for selecting appropriate literature for children. Explores literature through a variety of genres, age levels, values taught through literature, and literary and artistic qualities of various texts. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2058 - Latinx Literature (GT-AH2)
3 Credit hours 45 Contact hours

Examines the cultural, historical, and social contexts impacting Latinx identities through critical reading and analysis. This course focuses on significant works, including poetry, drama, and/or fiction, by Latinx authors.

LIT 2059 - Survey of African American Literature (GT-AH2)
3 Credit hours 45 Contact hours

Examines African American literature from 1750 to the present. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2075 - Special Topics
1-12 Credit hours 15-90 Contact hours

Provides the student with a vehicle to pursue in depth exploration of special topics of interest, through critical reading and analysis.

MAN - Management Courses

MAN 1005 - Logistics Management
3 Credit hours 45 Contact hours

Introduces the fundamental facets of logistics in supply chain management utilizing a systems approach to: manage activities associated with traffic, logistical support, regulations, transportation, inventory management and control, warehousing, packaging, order processing, and materials handling.

MAN 1016 - Principles of Supervision
3 Credit hours 45 Contact hours

Defines supervision, examines the functions of a supervisor, explains the necessary skills for successful supervision, relates supervision with human resources, and discusses supervisory challenges.

Prerequisite: Department Approval.

MAN 1056 - Problem Solving-Business Environment
3 Credit hours 45 Contact hours

Introduces problem solving and decision making processes associated with a business environment.

MAN 1068 - Basic Process Controls
2 Credit hours 30 Contact hours

Introduces the basic terminology and concepts of Statistical Process Control (SPC) for managers. The course explore process capability and variation with emphasis on the practice of the seven quality tools to find and remove causes of process variation. Discussion focuses on the basic uses and identification of statistical tools and application of these tools.

MAN 2000 - Human Resources Management I
3 Credit hours 45 Contact hours

Provides an overview of the contemporary issues, theories, and principles used to effectively manage human resources. Topics covered include job analysis and design, talent acquisition and retention, planning and recruiting human resources, selecting employees, job placement, employee training and performance management, selecting employees, compensation and benefits, and retaining employees.

MAN 2001 - Human Resources Management II
3 Credit hours 45 Contact hours

Offers a strategic discussion of concepts of human resources utilizing practical application and theory. Emphasizes human resource trends, equal opportunity and safety, workforce training and development, appraising and improving performance, labor relations, legal and global issues in human resources.

MAN 2015 - Organizational Behavior
3 Credit hours 45 Contact hours

Introduces the behaviors of groups and individual members of organizations and how to influence their behavior. Emphasis is on the tools managers use to achieve organizational effectiveness.

MAN 2025 - Managerial Finance
3 Credit hours 45 Contact hours

Examines the concepts and techniques used to analyze financial accounting information for managerial planning, decision-making, and control. Additionally, the course discusses decision-making relating to the areas of budgets, forecasts, cost volume production, Return on Investment (ROI) and financial statements.

MAN 2026 - Principles of Management
3 Credit hours 45 Contact hours

Provides an overview of the principles of management. Emphasis is on the primary functions of planning, organizing, staffing, leading and controlling with a balance between the behavioral and operational approaches.

MAR - Marketing Courses

MAR 1060 - Customer Service
3 Credit hours 45 Contact hours

Enables students to learn the relationship of self to customers, problem solve, and understand the importance of communicating with customers. Specific emphasis is given to managing customer expectations by building customer rapport and creating positive outcomes.

MAR 2016 - Principles of Marketing
3 Credit hours 45 Contact hours

Presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to business and the individual consumer.

MAR 2040 - International Marketing
3 Credit hours 45 Contact hours

Explores international marketing for U.S. products, the increasing competitive international environment, and recent changes in the environment that have challenged U.S. business. This course focuses on the global marketplace and making marketing decisions in a global context.

MAT - Mathematics Courses

MAT 0240 - Mathematics for Liberal Arts Support
2 Credit hours 30 Contact hours

Supports skill development necessary for success within Math for Liberal Arts.

Corequisite: MAT 1240.

MAT 0250 - Quantitative Literacy
4 Credit hours 60 Contact hours

Develops number sense and critical thinking strategies, introduces algebraic thinking, and connects mathematics to real world applications. Topics in this course include ratios, proportions, percent, measurement, linear relationships, properties of exponents, and math learning strategies. This course prepares students for math for liberal arts, statistics, integrated math, and college level career math courses.

MAT 0260 - Introduction to Statistics Support
2 Credit hours 30 Contact hours

Supports skill development necessary for success within Introduction to Statistics.

Corequisite: MAT 1260.

MAT 0300 - Algebraic Literacy
4 Credit hours 60 Contact hours

Develops algebraic skills necessary for manipulating expressions and solving equations. Topics in the course include radicals, complex numbers, polynomials, factoring, rational expressions, quadratic equations, absolute value equations, systems of linear equations in two variables, related applications, and linear inequalities. This course prepares students for MAT 1340 College Algebra and MAT 1320 Finite Math.

MAT 0340 - College Algebra Support
2 Credit hours 30 Contact hours

Supports skill development necessary for success within College Algebra.

Corequisite: MAT 1340.

MAT 1120 - Math for Clinical Calculations
3 Credit hours 45 Contact hours

Covers the mathematical calculations needed for enteral and parenteral medication administration. It is designed for students in the health disciplines. Topics include measurements, conversion between various systems of measurements, and methods of solving problems related to drug dosage and medication administration.

Prerequisite: Successful completion of MAT 0250 OR MAT 0300 (grade C or better) or appropriate placement scores (ACTM 19+, S12 500+, Accuplacer Next Gen AR 265+, or other placement methods available at the time of registration).

MAT 1140 - Career Mathematics
3 Credit hours 45 Contact hours

Covers material designed for career and technical students who need to study particular mathematical topics. Topics include measurement, algebra, geometry, statistics, and graphs. These are presented at an introductory level and the emphasis is on applications.

Prerequisite: Successful completion of MAT 0250 OR MAT 0300 (grade C or better) or appropriate placement scores (ACTM 19+, S12 500+, Accuplacer Next Gen AR 265+, or other placement methods available at the time of registration).

MAT 1220 - Integrated Math I (GT-MA1)
3 Credit hours 45 Contact hours

Engages students in the concepts underlying elementary level mathematics. The course emphasizes critical thinking and applications. Topics include the structure of number systems, an analysis of numerical operations, set properties, numerical and geometric patterns, and a variety of problem solving skills. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 0250 OR MAT 0300 (grade C or better) or appropriate placement scores (ACTM 19+, S12 500+, Accuplacer Next Gen QA 240+, or other placement methods available at the time of registration).).

MAT 1230 - Integrated Math II (GT-MA1)
3 Credit hours 45 Contact hours

Engages students in the concepts underlying elementary level mathematics. The course emphasizes critical thinking and applications. Topics include probability, statistics, measurement, Euclidean geometry, and algebraic methods. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 0250 OR MAT 0300 (grade C or better) or appropriate placement scores (ACTM 19+, S12 500+, Accuplacer Next Gen QA 240+, or other placement methods available at the time of registration).).

MAT 1240 - Mathematics for Liberal Arts (GT-MA1)
4 Credit hours 60 Contact hours

Highlights connections between mathematics and the society in which we live and is intended for liberal arts majors. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 0250 OR MAT 0300 (grade C or better) or appropriate placement scores (ACTM 19+, S12 500+, Accuplacer Next Gen QA 240+, or other placement methods available at the time of registration).).

MAT 1260 - Introduction to Statistics (GT-MA1)
3 Credit hours 45 Contact hours

Introduces descriptive and inferential statistics, with an emphasis on critical thinking and statistical literacy. Topics include methods of data collection, presentation and summarization, introduction to probability concepts and distributions, and statistical inference of one and two populations. This course uses real world data to illustrate applications of a practical nature. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 0250 OR MAT 0300 (grade C or better) or appropriate placement scores (ACTM 19+, S12 500+, Accuplacer Next Gen QA 240+, or other placement methods available at the time of registration).).

MAT 1320 - Finite Mathematics (GT-MA1)
4 Credit hours 60 Contact hours

Covers topics including functions, matrix algebra, linear programming, and an introduction to probability and counting techniques. Emphasis is on applications. May include other topics such as statistics when time permits. Primarily intended for business, life science, or social science majors. Graphing calculator required.

Prerequisite: Successful completion of MAT 0300 (grade C or better) or appropriate placement scores (ACTM23+, S12 560+, Accuplacer Next Gen AF 245+,or other placement methods available at the time of registration).

MAT 1340 - College Algebra (GT-MA1)
4 Credit hours 60 Contact hours

Focuses on a variety of functions and the exploration of their graphs. Topics include: equations and inequalities, operations on functions, exponential and logarithmic functions, linear and non-linear systems, and an introduction to conic sections. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 0300 (grade C or better) or appropriate placement scores (ACTM23+, S12 560+, Accuplacer Next Gen AF 245+,or other placement methods available at the time of registration).

MAT 1400 - Survey of Calculus (GT-MA1)
4 Credit hours 60 Contact hours

Includes derivatives, integrals, and their applications, with attention restricted to algebraic, exponential, and logarithmic functions for business, life science and/or social science majors. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 1340 (grade C or higher) or appropriate test scores (ACTM 25+, S12 620+, Next Gen Accuplacer AF 280+).

MAT 1420 - College Trigonometry (GT-MA1)
3 Credit hours 45 Contact hours

Topics include trigonometric functions (with graphs and inverse functions), identities and equations, solutions of triangles, complex numbers, and other topics as time permits. This is a traditional prerequisite course to the calculus sequence. Graphing calculator required.

Prerequisite: Successful completion of MAT 1340 (grade C or higher) or appropriate test scores (ACTM 25+, S12 620+, Next Gen Accuplacer AF 280+).

MAT 1440 - Pre-Calculus (GT-MA1)
5 Credit hours 75 Contact hours

Extends algebraic concepts and explores the subject of trigonometry. Topics include: polynomial, rational, logarithmic, and exponential functions, trigonometric and inverse trigonometric functions and their graphs, trigonometric identities, and applications. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 1340 (grade C or higher) or appropriate test scores (ACTM 25+, S12 620+, Next Gen Accuplacer AF 280+).

MAT 2075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

MAT 2410 - Calculus I (GT-MA1)
5 Credit hours 75 Contact hours

Introduces single variable calculus and analytic geometry. It includes limits, continuity, derivatives, and applications of derivatives as well as indefinite and definite integrals and some applications. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 1420 or MAT 1440 (grade C or higher) or appropriate test scores (ACTM 29+, S12 690+, Common Calc I placement test 70% or higher).

MAT 2420 - Calculus II (GT-MA1)
5 Credit hours 75 Contact hours

Continues the study of single variable calculus which will include techniques of integration, analytic geometry, improper integrals, convergence of infinite numerical series and power series. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 2410 (grade C or higher).

MAT 2430 - Calculus III (GT-MA1)
4 Credit hours 60 Contact hours

Focuses on the traditional subject matter of multivariable Calculus. Topics include vectors, vector-valued functions, partial derivatives, analytic geometry, multiple integrals, line integrals and applications. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 2420 (grade C or higher).

MAT 2431 - Calculus III with Engineering Applications: (GT-MA1)
5 Credit hours 75 Contact hours

Focuses on the traditional subject matter of multivariable Calculus with an additional emphasis on word problems and problem solving. Topics include vectors, vector-valued functions, partial derivatives, analytic geometry, multiple integrals, line integrals, Stokes', Divergence Theorems and Green's Theorems, and applications. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 2420 (grade C or higher).

MAT 2500 - Introduction to Proof and Reasoning
3 Credit hours 45 Contact hours

Introduces logic, mathematical writing, and formal mathematical proofs. This course includes techniques of proofs, quantifiers, sets, functions, and relations.

Prerequisite: Successful completion of MAT 2420 (grade C or higher).

MAT 2540 - Linear Algebra
3 Credit hours 45 Contact hours

Introduces linear algebra and emphasizes techniques of problem solving and introductory proofs. This course includes linear systems, matrices, determinants, vector spaces, linear transformations, eigenvalues, and eigenvectors.

Prerequisite: Successful completion of MAT 2420 (grade C or higher).

MAT 2560 - Differential Equations (GT-MA1)
3 Credit hours 45 Contact hours

Explores techniques of problem solving and applications. Topics include first, second, and higher order differential equations, series methods, approximations, systems of differential equations, and Laplace transforms.

Prerequisite: Successful completion of MAT 2420 (grade C or higher).

MAT 2561 - Differential Equations with Engineering Applications: (GT-MA1)
4 Credit hours 60 Contact hours

Introduces ordinary differential equations. Topics include first, second, and higher order differential equations, series methods, approximations, systems of differential equations, and Laplace transforms with an additional emphasis on engineering applications and problem solving. Appropriate technology related to the mathematical field may be used as a component of the course. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: Successful completion of MAT 2430 or 2431 (grade C or higher).

MAT 2562 - Differential Equations with Linear Algebra
4 Credit hours 60 Contact hours

Explores ordinary differential equations with an introduction to select topics in linear algebra. Course covers first and second order differential equations, series solutions, Laplace transforms, linear algebra, eigenvalues, first order systems of equations, and numerical techniques for solving differential equations.

Prerequisite: Successful completion of MAT 2420 (grade C or higher).

MGD - Multimedia & Graphic Design Courses

MGD 1002 - Introduction to Multimedia
3 Credit hours 60 Contact hours

Introduces the basic components of multimedia: text, graphics, animation, sound, and video. Students gain an introductory knowledge of various multimedia and design software programs. Students gain hands-on, technical, conceptual and aesthetic experience pertaining to the creation of multi-dimensional design and time-based media via an array of projects and demonstrations. Students will be introduced to career opportunities within multimedia fields.

MGD 1011 - Adobe Photoshop I
3 Credit hours 60 Contact hours

Concentrates on the high-end capabilities of Adobe Photoshop as an illustration, design and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics and videos. Course competencies and outline follow those set out by the Adobe Certified Associate exam in Visual Communication Using Adobe Photoshop.

MGD 1012 - Adobe Illustrator I
3 Credit hours 60 Contact hours

Concentrates on the high-end capabilities of Adobe Illustrator as an illustration, design and vector drawing tool. Students learn how to use the tools to create digital artwork that can be used in web design, print media, and digital screen design. Course competencies and outline follow those set by the Adobe certified Associate exam in Visual Communication using Adobe Illustrator.

MGD 1013 - Adobe InDesign
3 Credit hours 60 Contact hours

Introduces students to InDesign, a page layout program which integrates seamlessly with other Adobe design programs. InDesign delivers creative freedom and productivity to DTP. Class discussions and independent projects supplement hands-on classroom work.

MGD 1015 - Type & Layout
3 Credit hours 60 Contact hours

Covers the creation and production of graphic projects, emphasizing the layout creative design process, problem solving, and research. Provides experience producing thumbnails, roughs and digital layouts emphasizing refined creative typography.

Prerequisite: Successful completion of or Concurrent enrollment in MGD 1002 OR MGD 1012 OR MGD 1013 (grade C or higher).

MGD 1019 - Maya I
3 Credit hours 60 Contact hours

Introduces students to Maya, a high-end character animation tool. Emphasis is on building models of various types. Students learn setting up and animating scenes for render in movie format.

MGD 1033 - Graphic Design I
3 Credit hours 60 Contact hours

Focuses upon the study of design layout and conceptual elements concerning graphic design projects such as posters, advertisements, logos, and brochures.

Prerequisite: Successful completion of MGD 1011 OR MGD 1012 OR MGD 1013 OR MGD 1015 (grade C or higher) .

MGD 1041 - Web Design I
3 Credit hours 60 Contact hours

Introduces web site planning, design and creation utilizing HTML through industry-standard development tools [may list specific software]. Emphasis is placed on applying stylistic decisions using cascading style sheets. Web-based considerations regarding color, typography, aesthetics, user interface design, and process integration with visual-based design tools will be explored.

MGD 1043 - Motion Graphic Design I (Software)
3 Credit hours 60 Contact hours

Explores the creation of animation and dynamic media for web and multimedia applications, conforming to professional standards. Emphasizes the manipulation of time-based media using key-frames, tweens and other technologies related to the specific software being utilized. Also examines the use of scripts to trigger timeline events and create basic interactive behavior.

MGD 2027 - Marcomm Practices
3 Credit hours 45 Contact hours

Explores techniques and approaches in the practice of marketing communications (marcomm), including: advertising; branding; direct marketing; packaging; promotion; publicity; sponsorship; public relations; sales; online marketing; social media marketing, and more. Focuses on understanding the relationships between the different components of marketing communications to achieve maximum message effect.

MGD 2033 - Graphic Design II
3 Credit hours 60 Contact hours

Continues instruction in idea development for advanced graphic design.

Prerequisite: Successful completion of MGD 1033 (grade C or better).

MGD 2041 - Web Design II
3 Credit hours 60 Contact hours

Expands on previously learned fundamentals of HTML introducing cascading style sheets, DHTML, JavaScript and CGI forms. Color usage and interface design principles are emphasized in this course. In this course we'll examine Web sites that employ more complex structures, optimal site architecture and navigation necessary for larger and more complex sites.

Prerequisite: Successful completion of MGD 1041 (grade C or better).

MUS - Music Courses

MUS 1000 - Introduction to Music Theory I
3 Credit hours 45 Contact hours

Focuses on the foundational elements of music theory. The course will cover clef reading, pitch and rhythmic notation, intervals, scales, key signatures, triads and diatonic chords, and an introduction to ear training and sight singing. The course will help beginning music students, including those who have limited background reading music notation and understanding the fundamentals of music theory.

MUS 1006 - Introduction to Songwriting
3 Credit hours 45 Contact hours

Examines the various processes and styles of songwriting and offers techniques and ideas for creating songs ranging from functional to original. You will explore the common factors in all styles of songwriting, and use them to bring out creative song ideas whether you have written songs before or have just always wanted to see if you could. A basic knowledge of music reading for any instrument and elementary music theory is recommended, but not required.

MUS 1007 - Entreprenuership and Artistry for Musicians
3 Credit hours 45 Contact Hours

Guides students interested in careers as music artists/entrepreneurs in today's evolving music entertainment industry. Course explores practical aspects of entrepreneurial artistry development: artist branding, creative habits, professional development, social influence, financial considerations, aesthetics, health, and self-promotion as these relate to planning, crafting, and sustaining a career in the music entertainment industry.

MUS 1010 - Music Theory I
3 Credit hours 45 Contact hours

Reviews and builds upon music fundamentals, diatonic harmony, phrase structure, and analysis. The course introduces voice leading and four part harmony in root position and inversions.

Corequisite: MUS 1012 Ear Training/Sight Singing I.

MUS 1011 - Music Theory II
3 Credit hours 45 Contact hours

Introduces harmony through four-part writing studying principles of harmonic progression, modulation, diatonic seventh chords, secondary dominants, keyboard harmony, and score analysis of binary and ternary form.

Corequisite: MUS 1013 Ear Training/Sight Singing II.

MUS 1012 - Ear Training/Sight Singing Lab I
1 Credit hour 15 Contact hours

Provides exercises in sight singing, rhythmic reading, and melodic and rhythmic dictation. The course will include performance of melodies and rhythmic reading exercises. Ear training dictation topics includes rhythm, intervals, diatonic scales, melody, triad types, and scales.

Corequisite: MUS 1010 Music Theory I.

MUS 1013 - Ear Training/Sight Singing Lab II
1 Credit hour 15 Contact hours

Continues to develop sight singing, rhythm reading, and dictation skills. The course includes expanded exercises in sight singing, rhythmic reading, and melodic and rhythmic dictation, as well as performance of melodies and rhythmic reading exercises. This course includes ear training topics.

Corequisite: MUS 1011 Music Theory II.

MUS 1020 - Music Appreciation (GT-AH1)
3 Credit hours 45 Contact hours

Covers the basic materials of music, musical forms, media, genres, and musical periods. Emphasizes the development of tools for intelligent listening and appreciation.

MUS 1021 - Music History: Medieval through Classical Period (GT-AH1)
3 Credit hours 45 Contact hours

Studies of various periods of music history with regard to the composers, aesthetics, forms, and genres of each period. Considers music from the Middle Ages through the Classical period.

MUS 1022 - Music History Early Romantic Period to the Present (GT-AH1)
3 Credit hours 45 Contact hours

Continues Music History I with a study of music from the early Romantic period to the present.

MUS 1023 - Survey of World Music (GT-AH1)
3 Credit hours 45 Contact hours

Provides an overview of non-Western music from around the world; provides basic listening skills and the historical/cultural context for a variety of world music styles to enable an understanding and appreciation of non-Western musical expression.

MUS 1025 - History of Jazz (GT-AH1)
3 Credit hours 45 Contact hours

Provides a survey of the basic materials of music and the forms, media, genres, historical, and cultural style periods of jazz. It emphasizes the development of tools for intelligent listening and appreciation.

MUS 1026 - History of Rock and Pop
3 Credit hours 45 Contact hours

Provides a survey of basic materials of music, musical forms, media, genres, and musical periods of Rock and Pop music. It emphasizes the development of tools for intelligent listening and appreciation. There is no pre-requisite.

MUS 1031 - Music Class
2 Credit hours 45 Contact hours

Applies the fundamentals of music to the voice or specific musical instruments. This course also introduces basic techniques, repertoire, and sight-reading. First year, first term.

MUS 1041 - Private Instruction
1-2 Credits 8-15 Credit hours

One credit primarily for non-music majors, two credits for music majors planning to transfer to a four-year school. One credit consists of a 30 minute lesson per week in the fall and spring semesters and a 45 minute lesson in the summer semester; two credits consists of a 60 minute lesson per week for the fall and spring semesters and a 90 minute lesson per week for the summer semester.

MUS 1042 - Private Instruction
1-2 Credits 8-15 Contact hours

One credit primarily for non-music majors, two credits for music majors planning to transfer to a four-year school. One credit consists of a 30 minute lesson per week in the fall and spring semesters and a 45 minute lesson in the summer semester; two credits consists of a 60 minute lesson per week for the fall and spring semesters and a 90 minute lesson per week for the summer semester.

MUS 1043 - Private Instruction
1-2 Credit hours 8-15 Contact hours

One credit primarily for non-music majors, two credits for music majors planning to transfer to a four-year school. One credit consists of a 30 minute lesson per week in the fall and spring semesters and a 45 minute lesson in the summer semester; two credits consists of a 60 minute lesson per week for the fall and spring semesters and a 90 minute lesson per week for the summer semester.

MUS 1044 - Private Instruction
1-2 Credit hours 8-15 Credit hours

One credit primarily for non-music majors, two credits for music majors planning to transfer to a four-year school. One credit consists of a 30 minute lesson per week in the fall and spring semesters and a 45 minute lesson in the summer semester; two credits consists of a 60 minute lesson

per week for the fall and spring semesters and a 90 minute lesson per week for the summer semester.

MUS 1051 - Ensemble I
1 Credit hour 30 Contact hours

Rehearses and performs various types of musical literature.

MUS 1052 - Ensemble II
1 Credit hour 30 Contact hours

Rehearses and performs various types of musical literature.

MUS 1053 - Ensemble III
1 Credit hour 30 Contact hours

Rehearses and performs various types of musical literature.

MUS 1054 - Ensemble IV
1 Credit hour 30 Contact hours

Rehearses and performs various types of musical literature.

MUS 1061 - Computer Music Applications I
3 Credit hours 45 Contact hours

Introduces audio signal flow, Digital Audio Workstation (DAW), current computer music software, digital audio practices, Musical Instrument Digital Interface (MIDI) sequencing, and audio for video.

MUS 1062 - Computer Music Applications II
3 Credit hours 45 Contact hours

Further explores the technical and creative use Digital Audio Workstation (DAW) environment. Sound design using analog and digital synthesis and sampling, digital signal processing, and mastering and audio formats will be among the topics explored.

MUS 1063 - Music Audio Production I
3 Credit hours 45 Contact hours

Provides music majors and students with a strong interest in music with a basic understanding of the music audio production process. The course covers the fundamentals of audio/music production and signal flow, fundamentals of sound, acoustics, and microphones, digital and analog technology, recording, and mixing.

MUS 1064 - Music Audio Production II
3 Credit hours 45 Contact hours

Refines techniques and emphasizes critical listening in the acoustic and Digital Audio Workstation environments.

MUS 1067 - Music Business I
3 Credit hours 45 Contact hours

Provides a foundational overview of the current, historic, and projected business practices in the music entertainment industry. Course provides opportunities to gain an understanding of the music entertainment industry including copyright, labels, publishing, licensing, distribution, marketing, finance, legal considerations, and current and future opportunities.

MUS 1068 - Audio Post Production I
3 Credit hours 45 Contact hours

Explores the steps in audio production following initial sound capture and overdubbing of sound. Key concepts include sound design, mixing, and addition of effects. Integration of music with picture is also discussed, and key concepts such as automatic dialogue replacement, foley, score, and voiceover recording are covered.

MUS 1069 - Project Management for Musicians
3 Credit hourss 45 Contact hours

Provides an overall approach to successfully plan and execute music entertainment industry-related projects. Course provides opportunities to develop a clear project vision and process to: break down abstract ideas into concrete components, and create and execute practical action plans.

MUS 1075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

MUS 2010 - Music Theory III
3 Credit hours 45 Contact Hours

Continues study of four-part music, including extended harmonic progressions of ninth, eleventh, thirteenth chords, extended alteration, non-chord tones, modulation and compositions.

MUS 2012 - Advanced Ear Training/Sight-singing I Lab
1 Credit hour 15 Contact Hours

Covers sight singing and melodic dictation using modulation and chromaticism. It covers harmonic dictation including diatonic and chromatic harmonic progressions. It will emphasize rhythmic reading and dictation including syncopation and asymmetrical meters.

MUS 2060 - The Business of Live Music Performance
3 Credit hours 45 Contact hours

Provides a detailed overview of the business of live music performance. Course provides an understanding of the key team members involved with live performance planning and the preparations and logistics involved in developing, negotiating, budgeting, and executing local performances to entire tours.

MUS 2061 - Advanced Music Audio Production
3 Credit hours 45 Contact Hours

Designed to build upon MUS 163 and MUS 164 to give a well-structured and advanced knowledge of the various aspects of recording and production with music in a live and studio setting. This includes a working knowledge of microphones, audio mixing boards-analog and digital, recorders, analog and digital, mixing, sound, equalization and the fundamentals of acoustics in studio design.

MUS 2062 - Developing a Producer's Ear
3 Credit hours 45 Contact hours

Provides a foundational skill set essential to becoming a music producer. Course includes an analysis and appraisal of one of the most important facets of a production: the emotional effectiveness of the music. Course explores critical listening, producing versus engineering a mix, optimal lyric and melodic song form, key vocal and instrumental production, and arranging techniques.

MUS 2063 - Music Publishing
3 Credit hours 45 Contact hours

Provides a detailed overview of the fundamentals of music publishing and licensing. Course explores the managing and monetizing of intellectual property, industry cash flow, exclusive bundle of copyrights, exploitation of rights, rights and licensing organizations, national and international licensing, song ownership, song placement, pitching songs, and maximizing royalties.

MUS 2065 - Live Audio Engineering
3 Credit hours 45 Contact Hours

Teaches the concepts and technical skills of live sound reinforcement. Topics include basic audio concepts, the operation and interconnection of a sound system, signal processing, and live sound recording. Students will participate in special class projects and live sound sessions.

MUS 2067 - Music Marketing Strategies
3 Credit hours 45 Contact hours

Provides an overview of key marketing principles, terms, and practices, which form the foundation for all music entertainment marketing plans. Course examines the key areas of marketing opportunities for music entertainment entrepreneurs including merchandising, publicity, radio promotion, retail and distribution, advertising, and touring.

MUS 2068 - Audio Post Production II
3 Credit hours 45 Contact Hours

Explores the steps in audio production following editing and mixing. Special attention will be paid to final equalization, audio level compression, multi-band audio compression, and "brick wall" limiting. Audio mastering is explored from an historic and practical perspective. Dithering, compression, and optimization for specific media types will also be discussed.

MUS 2075 - Special Topics
0-12 Credit hours 15-90 Contact Hours

Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

NUA - Nurse Aide Courses

NUA 1001 - Nurse Aide Health Care Skills
4 Credit Hours 70 Contact Hours

Prepares the student to perform the fundamental skills of the nurse aide. Basic nursing skills, communication skills, restorative services, personal care skills, safety and emergency care issues are covered. Includes knowledge and/or principles of asepsis, OSHA and HIPAA regulations. Ethical behaviors, cultural sensitivity and principles of mental health will be addressed, as well as patient/resident rights.

Prerequisite: College Readiness in English (See Glossary for more detail).

NUA 1002 - Certification Exam Prep
.5 Credit Hours 7.5 Contact Hours

Helps prepare the student for the National Nurse Aide Assessment Program (NNAAP) examination.

Prerequisite: Successful completion of NUA 1001 (grade C or better) .

NUA 1070 - Nurse Aide Clinical Experience
1 Credit hours 30 Contact hours

Applies knowledge and skill gained in NUA 1001 to patient care.

Prerequisite: Successful completion of NUA 1001 (grade C or higher).

NUR - Nursing Courses

NUR 1006 - Medical Surgical Nursing Concepts
7 Credit hours 213 Contact hours

Builds on fundamentals and introduces basic medical surgical nursing concepts, as well as application of mental health concepts, communication, collaboration, caring, and critical thinking/clinical judgment necessary for safe, person-centered care to a developmentally and culturally-diverse adult patient population. This course incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the nurse. The application of knowledge and skills occurs in the nursing skills laboratory and a variety of clinical settings.

Prerequisite: Successful completion of BIO 2116, NUR 1012, MAT 1120, NUR 1009 (grade C or better).

NUR 1009 - Fundamentals of Nursing
6 Credit hours 210 Contact hours

Examines the fundamental concepts necessary for safe, person-centered nursing care to a diverse patient population while integrating legal and ethical responsibilities. This course introduces caring, critical thinking/clinical judgment, the nursing process, quality improvement, and communication used when interacting with patients and interdisciplinary team through evidence-based nursing practice. The application of knowledge and skills occurs in the nursing skills laboratory and a variety of clinical settings providing care to stable patients with common health alterations.

Prerequisite: Successful completion of ENG 1021, BIO 1010 OR BIO 1111, BIO 2101, BIO 2102, BIO 2104, HPR 1010 OR HWE 1050, PSY 1001, PSY 2440 (grade C or better).

NUR 1012 - Basic Concepts of Pharmacology
2 Credit hours 30 Contact hours

Provides an overview of the basic principles of pharmacology including major drug classifications and prototypes of commonly used medications. This course introduces central concepts including safety and quality improvement practices in the administration of medications, person centered teaching, and variations encountered when administering medications to diverse population across the lifespan.

Prerequisite: Successful completion of ENG 1021, BIO 1010 OR BIO 1111, BIO 2101, BIO 2102, BIO 2104, HPR 1010 OR HWE 1050, PSY 1001, PSY 2440 (all grade C or better).

NUR 1050 - Maternal - Child Nursing
6 Credit hours 171 Contact hours

Provides the theory of maternal-child nursing, as well as application of mental health concepts, communication, collaboration, caring, and critical thinking/clinical judgment necessary for safe, family-centered nursing care to childbearing families and children that is developmentally and culturally appropriate. This course incorporates evidence-based practice, standards of practice, quality improvement, and legal and ethical responsibilities. The application of knowledge and skills occurs in the nursing skills laboratory and in a variety of maternal-child and pediatric clinical settings.

Prerequisite: Successful completion of BIO 2106, NUR 1012, MAT 1120, NUR 1009 (grade C or better).

NUR 2006 - Advanced Concepts of Medical-Surgical Nursing I (6.5)
6.5 Credit hours 202.5 Contact hours

Builds on medical surgical nursing theory, mental health concepts, communication, collaboration, caring, and critical thinking/clinical judgment necessary for safe, person-centered nursing care to developmentally and culturally diverse, high acuity medical surgical adult patients. The course incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the professional nurse. The application of knowledge and skills occurs in the nursing skills laboratory and in a variety of clinical settings.

Prerequisite: Successful completion of NUR 1006 (grade C or better).

NUR 2011 - Psychiatric-Mental Health Nursing
4 Credit hours 99 Contact hours

Develops concepts of psychosocial integrity and emphasizes the function and responsibility of nursing in promoting and maintaining mental health of individuals and families. This course emphasizes communication and caring through the application of the therapeutic relationship and nursing process in the care and treatment of common psychiatric clinical conditions/disorders.

Prerequisite: Successful completion of NUR 1009, NUR 1012, NUR 1006, NUR 1050 (grade C or better).

NUR 2012 - Pharmacology II
2 Credit hours 30 Contact hours

Builds on previously introduced pharmacological concepts and applies that learning to pharmacologic therapy to provide safe, quality, evidence-based nursing care to patients with complex healthcare needs. Focuses on safety and quality improvement factors in the administration of medications within a variety of healthcare systems. Advanced dosage calculations included.

Prerequisite: Successful completion of NUR 1012 (grade C or better).

NUR 2013 - Professional Nursing Pathway I
3 Credit Hours 45 Contact Hours

Introduces students to the roles and practices of professional nursing.

Prerequisite: Acceptance into the Integrated Nursing Pathway.

NUR 2016 - Advanced Concepts of Medical-Surgical Nursing II
5 Credit hours 156 Contact hours

Continues to build on medical surgical nursing theory, mental health concepts, communication, collaboration, caring, and critical thinking/clinical judgment necessary for safe, person-centered nursing care to developmentally and culturally diverse adult patients experiencing high acuity medical surgical conditions. This course incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the professional nurse in high acuity settings. The application of knowledge and skills occurs in a variety of clinical settings.

Prerequisite: Successful completion of NUR 1006, NUR 1012, NUR 1050, NUR 2006, NUR 2011, NUR 2012, NUR 2030 (all grade C or better).

NUR 2030 - Transition to Professional Nursing Practice
4 Credit hours 132 Contact hours

Provides an integrative experience applying all dimensions of the professional nurse when caring for diverse patient populations across a variety of healthcare settings. All major concepts of the nursing program are addressed in this seminar and practice capstone course. Leadership and the management of multiple patients are emphasized. The application of knowledge and skills occurs in the clinical setting to facilitate an effective transition from student to registered professional nurse.

Prerequisite: Successful completion of NUR 1009, NUR 1012, NUR 1006, NUR 1050, NUR 2006, NUR 2011, NUR 2012, NUR 2016 (all grade C or better).

OSH - Occupational Safety Technician Courses

OSH 1310 - 10 HR Construction Industry Standards
1 Credit Hour 15 Contact hours

Provides a 10-Hour OSHA certification course for the construction industry and participants will review the current OSHA standards contained in 29 CFR 1926. Participants that complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

Prerequisite: Deparment Permission Required.

OSH 1311 - 30 HR Construction Industry Standards
3 Credit Hours 45 Contact hours

Provides a 30-Hour OSHA certification course for the construction industry and participants will review the current OSHA standards contained in 29 CFR 1926. Participants that complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

Prerequisite: Department Permission Required.

PAR - Paralegal Courses

PAR 1114 - Computers and the Law
3 Credit hours 45 Contact hours

Provides students with an opportunity to develop computer skills needed in the legal environment, including software applications, spreadsheets, databases, and Internet research.

PAR 1115 - Introduction to Law
3 Credit hours 45 Contact hours

Introduces the United States (U.S.) legal system, legal terminology and concepts, and a variety of substantive areas of law. This course covers the role of paralegals and issues facing paralegals within the U.S. legal system..

PAR 1116 - Torts
3 Credit hours 45 Contact hours

Focuses on tort law, including negligence, intentional torts, and strict liability.

PAR 1117 - Family Law
3 Credit hours 45 Contact hours

Emphasizes domestic relations law, including formation of marriage, dissolution of marriage and legal separation, child custody and support, adoption, and other family law issues.

PAR 1118 - Contracts
3 Credit hours 45 Contact hours

Examines the basic principles of contract law.

PAR 1125 - Property Law
3 Credit hours 45 Contact hours

Covers real estate law. Includes ownership, sale, leasing, financing, and government regulation of land. Also covers some aspects of personal property law.

PAR 2075 - Special Topics
3 Credit hours 45 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.

PAR 2080 - Internship
3 Credit hours 135 Work hours

Provides students with the opportunity to supplement course work with practical work experience related to their educational programs. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Prerequisite: Successful completion of PAR 1115 (grade C or higher). Requires permission of the Program Coordinator. Students may take either the Internship or a Directed Study in lieu of an internship after they have taken 21 hours of related coursework.

PAR 2085 - Independent Study
3 Credit hours 45 Contact hours

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.

Prerequisite: Successful completion of PAR 1115 (grade C or higher). Requires permission of Program Coordinator. Students may take either the Internship or a Directed Study in lieu of an internship after they have taken 21 hours of related coursework.

PAR 2201 - Civil Litigation
3 Credit hours 45 Contact hours

Presents fundamental concepts and procedures of civil litigation, including the Federal Rules of Civil Procedure and the Colorado Rules of Civil Procedure. This course explores the paralegal's role in civil litigation.

Prerequisite: Successful completion of PAR 1115 (grade C or higher) or permission of Program Coordinator.

PAR 2202 - Evidence
3 Credit hours 45 Contact hours

Introduces the student to State and Federal Rules of evidence and application to the trial process.

Prerequisite: Successful completion of PAR 1115 (with C or better).

PAR 2205 - Criminal Law
3 Credit hours 45 Contact hours

Introduces basic concepts of criminal law and criminal procedure, including federal laws, Colorado state statutes, and Rules of Procedure.

Prerequisite: Successful completion of PAR 1115 (grade C or higher) or permission of Program Coordinator.

PAR 2206 - Business Organizations
3 Credit hours 45 Contact hours

Emphasizes the federal, state, and local laws impacting business organizations. This course focuses on the creation, maintenance, and dissolution of the major types of business organizations.

Prerequisite: Successful completion of PAR 1115 (grade C or higher) or permission of Program Coordinator.

PAR 2207 - Current Issues in Law
3 Credit hours 45 Contact hours

Provides an understanding of the current legal issues and trends applicable to the law.

Prerequisite: Successful completion of PAR 1115 (grade C or higher) or permission of Program Coordinator.

PAR 2208 - Probate and Estates
3 Credit hours 45 Contact hours

Provides an understanding of the creation and administration of estates, including wills and trusts, and the probate process.

Prerequisite: Successful completion of PAR 1115 (grade C or higher) or permission of Program Coordinator.

PAR 2213 - Legal Research and Writing I
3 Credit hours 45 Contact hours

Provides an introduction to legal research and writing.

Prerequisite: Successful completion of PAR 1115 and ENG 1021 (grade C or higher) or permission of Program Coordinator.

PAR 2214 - Legal Research and Writing II
3 Credit hours 45 Contact hours

Serves as an advanced course in legal research and writing.

Prerequisite: Successful completion of PAR 2213 (grade C or higher) or permission of Program Coordinator.

PAR 2216 - Employment Law
3 Credit hours 45 Contact hours

Examines the common law and statutory development of employment law in the United States. This course focuses on current issues prevalent within employment law.

Prerequisite: Successful completion of PAR 1115 (grade C or higher) or permission of Program Coordinator.

PAR 2218 - Bankruptcy Law
3 Credit hours 45 Contact hours

Focuses on the federal and state laws and procedures involving bankruptcy.

Prerequisite: Successful completion of PAR 1115 (grade C or higher) or permission of Program Coordinator.

PAR 2227 - Immigration Law
3 Credit hours 45 Contact hours

Explores the historical evolution of immigration law within the United States. This course examines contemporary immigration law and policy in the United States.

PED - Physical Education Courses

PED 1010 - Fitness Center Activity I
1 Credit hour 30 Contact hours

Focuses on improving total fitness via an aerobic circuit training program. Includes an individual fitness evaluation, computerized analysis of results, and a prescribed exercise program. Covers the basic components of fitness including flexibility, muscular strength, muscular endurance, cardiovascular fitness, and body composition. Weight machines, stationary bicycles, and computerized cardiovascular equipment are incorporated to elicit improvements in fitness.

PED 1011 - Fitness Center Activity II
1 Credit hour 30 Contact hours

Serves as an advanced course for individuals interested in reaching a higher level of total fitness via an aerobic circuit training program. Includes an individual fitness evaluation, computerized analysis of results, and a prescribed exercise program. Focuses on the basic components of fitness including flexibility, muscular strength, muscular endurance, cardiovascular fitness, and body composition. Weight machines, stationary bicycles, and computerized cardiovascular equipment are used to elicit improvements in fitness.

Prerequisite: Successful completion of PED 1010 (grade C or better) or Department Approval.

PED 1012 - Fitness Center Activity III
1 Credit hour 30 Contact hours

Serves as an advanced exercise course designed for individuals interested in attaining a high level of total fitness. Includes an individual fitness evaluation, computerized analysis of results, and a prescribed exercise program. Focuses on the basic components of fitness including flexibility, muscular strength and endurance, cardiovascular fitness, and body composition. The primary mode of training is Aerobic Circuit Training. The circuit training is supplemented with additional work on specialized weight machines, dumbbells, treadmills, rowers, and stair climbers, cross trainers, Nordic track, versa climbers, and running track available in the Fitness Center.

Prerequisite: Successful completion of PED 1011 (grade C or better) or Department approval.

PED 1013 - Fitness Center Activity IV
1 Credit hour 30 Contact hours

Focuses on advanced instruction designed for individuals interested in attaining a high level of total fitness. Includes an individual fitness evaluation, computerized analysis of results, and a prescribed exercise program. Focuses on the basic components of fitness including flexibility, muscular strength, muscular endurance, cardiovascular fitness, and body composition. The primary mode of training is Aerobic Circuit Training. The circuit training is supplemented with additional work on the specialized weight machines, dumbbells, treadmills, rowers, stair climbers, cross trainers, Nordic track, versa climbers, and running track found in the Fitness Center.

Prerequisite: Successful completion of PED 1012 (grade C or better) or Department approval.

PED 1043 - Yoga I
1 Credit hour 30 Contact hours

Introduces the history and philosophy of yoga, fundamental principles of alignment, breath work, and meditation through guided practice. Course focuses on demonstrating safety and stability within each pose.

PED 2075 - Special Topics
1-12 Credit hours 30-160 Contact hours

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

PED 2078 - Seminar/Workshop
1-12 Credit hours 30-360 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

PED 2080 - Internship
1-12 Credit hours 30-360 Contact hours

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

PHI - Philosophy Courses

PHI 1011 - Introduction to Philosophy (GT-AH3)
3 Credit hours 45 Contact hours

Introduces significant human questions and emphasizes understanding the meaning and methods of philosophy. Includes human condition, knowledge, freedom, history, ethics, the future, and religion.

PHI 1012 - Ethics (GT-AH3)
3 Credit hours 45 Contact hours

Examines human life, experience, and thought in order to discover and develop the principles and values for pursuing a more fulfilling existence. Theories designed to justify ethical judgments are applied to a selection of contemporary personal and social issues.

PHI 1013 - Logic (GT-AH3)
3 Credit hours 45 Contact hours

Studies effective thinking using language-oriented logic. Provides tools and develops skills for creative and critical thinking and the formal analysis of arguments. Emphasizes the development of decision-making and problem-solving. This is a statewide Guaranteed Transfer course in the GT-AH3 category.

PHI 1014 - Comparative Religions (GT-AH3)
3 Credit hours 45 Contact hours

Introduces the major religions of the Eastern and Western world. Covers Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity, and Islam. Utilizes methods of religious studies to understand the historical development of each religious tradition as well its worldview and teachings. This is a statewide Guaranteed Transfer course in the GT-AH3 category.

PHI 2005 - Business Ethics (GT-AH3)
3 Credit hours 45 Contact hours

Examines major ethical theories and then applies ethical decision-making criteria to various moral issues and challenges in a business environment. This course will include issues such as job discrimination, worker's rights, consumerism, advertising, whistle-blowing, product safety, responsibility to the environment, as well as compassionate and fair responsibility to society. This is a statewide Guaranteed Transfer course in the GT-AH3 category.

PHI 2014 - Philosophy of Religion (GT-AH3)
3 Credit hours 45 Contact hours

Focuses on the critical examination of fundamental concepts, ideas, and implications of religion. Specific topics include the nature of God, the varieties of religious experience, argument concerning God's existence, the problem of evil, faith and reason, religion and human destiny, and the connection between religion and ethics.

PHI 2018 - Environmental Ethics (GT-AH3)
3 Credit hours 45 Contact hours

Analyzes theories of the value of the natural world. Topics may include the relation between scientific and moral principles; theories of the moral worth of persons, animals, plants, and other natural objects; historical, religious, and cultural influences on conceptions of nature; alternative accounts of human relationships and responsibilities to nature; and the connection between moral and political values and economic policies. This is a statewide Guaranteed Transfer course in the GT-AH3 category.

PHI 2020 - Philosophy of Death and Dying (GT-AH3)
3 Credit hours 45 Contact hours

Explores the major philosophical questions surrounding death and dying, the metaphysical arguments for and against the existence of the soul, life after bodily death, the major ethical theories and their relation to issues of physician-assisted suicide, care for the dying, the grieving process, death as expressed in aesthetics and contemporary society, as well as the existential contributions concerning meaning of life and the meaning of death. This is a statewide Guaranteed Transfer course in the GT-AH3 category.

PHI 2075 - Special Topics
0-12 credit(s) 15-90 Contact hours

Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

PHY - Physics Courses

PHY 1105 - Conceptual Physics with Lab: (GT-SC1)
4 Credit hours 75 Contact hours

Focuses on mechanics, heat, properties of matter, electricity and magnetism and light. Incorporates laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English and in Quantitative Literacy (See Glossary for more detail).

PHY 1111 - Physics: Algebra Based I with Lab (GT-SC1)
5 Credit hours 105 Contact hours

The physics of mechanics and requires application of classical physics to both mathematical and conceptual problems. This course includes kinematics in one and two dimensions, Newton's Laws, circular motion, work and energy, impulse and momentum, rotational mechanics, and simple harmonic motion. This is a statewide Guaranteed Transfer course in the GT-SCI category.

Prerequisite: Successful completion of MAT 1340 or higher (grade C or higher).

PHY 1112 - Physics: Algebra Based II with Lab (GT-SC1)
5 Credit hours 105 Contact hours

The physics of electricity and magnetism and requires application of classical physics to both mathematical and conceptual problems. This course covers Direct Current (DC) circuits involving resistors, capacitors, and batteries. This course also covers traveling and standing waves, electromagnetic waves, and geometric optics. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of PHY 1111 (grade C or higher).

PHY 2111 - Physics: Calculus Based I with Lab (GT-SC1)
5 Credit hours 105 Contact hours

Covers the physics of kinematics, dynamics, and conservation laws and requires application of classical physics to both mathematical and conceptual problems. Specific concepts covered include 1D and 2D kinematics, Newton's Laws, rotational motion, energy and work, momentum and impulse, and simple harmonic motion. This course may also cover thermodynamics and fluid mechanics. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of MAT 2410 (grade C or higher).

PHY 2112 - Physics: Calculus Based II with Lab (GT-SC1)
5 Credit hours 105 Contact hours

Covers the physics of electricity and magnetism using conceptual and mathematical reasoning, including calculus. Maxwell's equations, waves, and time-varying circuits will be covered. Optional topics include wave and geometric optics and AC circuits. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of PHY 2111 AND Successful completion of or concurrent enrollment in MAT 2420 (all grade C or higher).

PHY 2113 - Physics: Calculus Based III Modern Physics
3 Credit Hours 45 Contact Hours

Expands upon PHY 2112 and explores twentieth century advances in physics. Topics may include special and general relativity, quantum theory, atomic physics, solid state physics, nuclear physics, semiconductor physics and cosmology.

Prerequisite: Successful completion of MAT 2420 AND PHY 2112 (grade C or higher).

PSC - Political Science

PSC 1011 - American Government (GT-SS1)
3 Credit hours 45 Contact hours

Explores the origins, development, structure, and functions of the American Constitution and national government. This course examines federalism, civil liberties, civil rights, electoral processes, and mechanisms of civic participation and influence. This is a statewide Guaranteed Transfer course in the GT-SS1 category.

PSC 1025 - American State and Local Government (GT-SS1)
3 Credit hours 45 Contact hours

Emphasizes the structure and function of state, county, and municipal governments, including their relations with each other and with national government. Includes a study of Colorado government and politics.

PSC 1050 - Current Political Issues: GT-SS1
3 Credit hours 45 Contact hours

Incorporates an in-depth analysis of the background and nature of political issues and themes. This course is statewide Guaranteed Transfer course in the GT-SS1 category.

PSC 2005 - International Relations (GT-SS1)
3 Credit hours 45 Contact hours

Examines relationships among modern nation-states. Topics include diplomacy, nationalism, ideologies, power and influence, conflict and cooperation, the role of non-state actors, the international economy, and theoretical attempts to understand international behavior.

PSC 2020 - Introduction to Political Science (GT-SS1)
3 Credit hours 45 Contact hours

Focuses on a survey of the discipline of political science, including political philosophy and ideology, democratic and non-democratic governments and processes, and international relations.

PSC 2025 - Comparative Government (GT-SS1)
3 Credit hours 45 Contact hours

Focuses on a comparison of the basic features of selected developed and developing countries. Topics include ideologies, political parties, interest groups, and governmental institutions.

PSC 2085 - Independent Study
3 Credit hours 135 Contact hours

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.

PSY - Psychology Courses

PSY 1001 - General Psychology I (GT-SS3)
3 Credit hours 45 Contact hours

Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 1002 - General Psychology II (GT-SS3)
3 Credit hours 45 Contact hours

Focuses on the scientific study of behavior including cognition, language, intelligence, psychological assessment, personality, abnormal psychology, therapy, life span development, sex, gender, sexuality, and social psychology. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2000 - Research Methodology
4 Credit hours 60 Contact hours

Introduces research methods and designs including correlational studies, experimental designs and quasi-experimental designs. Additional topics include evaluations of scientific research, data analysis, report writing and research ethics.

Prerequisite: Successful completion of PSY 1001 (grade C or better).

PSY 2075 - Special Topics
1-12 Credit hours 15-90 Contact hours

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2105 - Psychology of Gender (GT-SS3)
3 Credit hours 45 Contact hours

Examines gender comparisons in work, courtship, family life, and sexual behavior throughout the life span. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2107 - Human Sexuality (GT-SS3)
3 Credit hours 45 Contact hours

Surveys physiological, psychological, and psychosocial aspects of human sexuality. Topics include relationships, sexual identity, and sexual health. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2111 - Psychological Aspects of Abuse in Relationships
2 Credit hours 30 Contact hours

Focuses on psychosocial factors contributing to both abusive and victimization behaviors in a variety of relationships.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2112 - Introduction to Addictive Behavior
2 Credit hours 30 Contact hours

Focuses on addictive behavior and its effect on individuals, families, and society.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2220 - Dynamics of Racism and Prejudice
3 Credit hours 45 Contact hours

Focuses on early race relations in the United States, the development of prejudicial attitudes and the social impact, and strategies for positive change.

Prerequisite: College Readiness in English (See Catalog Guide for more detail).

PSY 2221 - Social Psychology (GT-SS3)
3 Credit hours 45 Contact hours

Focuses on the behavior of humans in a wide variety of social settings and the social influences humans have on each other in those settings. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Taking PSY 1001 or PSY 1002 prior to taking this course is highly recommended.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2331 - Positive Psychology: GT-SS3
3 Credit hours 45 Contact hours

Focuses on human strengths and explores strengths-based research and concepts of life satisfaction, well-being, happiness, helpfulness, resiliency, post-traumatic growth, and improving emotional, psychological, and social functioning. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2333 - Health Psychology: GT-SS3
3 Credit hours 45 Contact hours

Focuses on an overview of the scientific study of attitudes, behaviors, and personality variables related to health, illness, and bodily systems. The course emphasizes the interaction of biological, psychological, and social factors that cause illness and influence its treatment and prevention. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2440 - Human Growth and Development (GT-SS3)
3 Credit hours 45 Contact hours

Examines human development from conception through death, emphasizing physical, cognitive, emotional, and psychosocial factors. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Taking PSY 1001 or PSY 1002 prior to taking this course is highly recommended.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2441 - Child Development (GT-SS3)
3 Credit hours 45 Contact hours

Focuses on the growth and development of the individual, from conception through childhood, emphasizing physical, cognitive, emotional, and psychosocial factors. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2444 - Educational Psychology
3 Credit hours 45 Contact hours

Focuses on the relationships between theory, research, and practice in areas of learning, child development, motivation, and educational assessment.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2551 - Child Abuse and Neglect
3 Credit hours 45 Contact hours

Examines the causes and effects of physical, sexual, and psychological abuse and neglect. This course emphasizes intervention and prevention strategies.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2552 - Psychopathology: GT-SS3
3 Credit hours 45 Contact hours

Examines psychopathology and its classification, causes, treatment, and prevention. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Taking PSY 1001 or PSY 1002 prior to taking this course is highly recommended.

Prerequisite: College Readiness in English (See Glossary for more detail).

PSY 2770 - Introduction to Forensic Psychology
3 Credit hours 45 Contact hours

Introduction to Forensic Psychology is a course in an overview of Forensic Psychology. As such it explores both current research and practice in five areas. These areas are police psychology, criminal psychology, victimology, correctional psychology and the interface of psychology and the courts. The course facilitates an understanding of the numerous careers related to forensic psychology, how to prepare for them and current research and practice in each of the five broad areas of forensic psychology.

Prerequisite: College Readiness in English (See Glossary for more detail).

PTE - Psychiatric Technician Courses

PTE 1010 - Intro to Behavioral Health Care and Wellness
3 Credit hours 45 Contact hours

Explores basic principles of behavioral health and wellness care in behavioral health settings. This course develops interpersonal and technical skills while working with clients in psychiatric care settings.

PTE 1017 - Theoretical Concepts of Psychiatric Care II
2 Credit hours 30 Contact hours

Explores psychiatric problems common to four (4) special populations: children/adolescents, developmentally disabled individuals, aging persons, and forensic clients. The student learns to recognize and intervene with problems common to these four groups.

Prerequisite: Successful completion of PTE 1010 (grade C or better).

PTE 1020 - Application of Behavioral Health Care & Wellness
5 Credit hours 90 Contact hours

Explores basic etiology, symptoms, and interventions for common behavioral and mental health disorders. Provides the opportunity for students to experience the mileu of a behavioral health care setting while providing basic care to clients experiencing common behavioral and mental health issues.

Prerequisite: Successful completion of PTE 1010 (grade C or better).

REE - Real Estate Courses

REE 2001 - Real Estate Broker I
6 Credit hours 90 Contact hours

Enables the student, in conjunction with REE 2002 - Real Estate Brokers II, to meet the educational requirements of the Colorado Real Estate Commission for a Colorado Real Estate Brokers' license. The course includes Real Estate Law and Practice, practical applications, and Current Legal Issues.

Prerequisite: College Readiness in English (See Glossary for more detail).

REE 2002 - Real Estate Broker II
6 Credit hours 90 Contact hours

Enables the student, in conjunction with REE 2001 - Real Estate Brokers I, to meet the educational requirements of the Colorado Real Estate Commission for a Colorado Real Estate Brokers` license. This course includes Colorado Contracts and Regulations, Closings, and Recordkeeping and Trust Accounts.

Prerequisite: Successful completion of REE 2001 (grade C or better).

SCI - Science Courses

SCI 1055 - Integrated Science I - Physics and Chemistry (GT-SC1)
4 Credit hours 90 Contact hours

Examines the nature of energy and matter, their interactions and changes, and the application of fundamental concepts to the study of our natural world. These concepts will be explored in hands-on laboratory experiments. This course integrates the fundamental concepts and ideas about the nature of physics and chemistry with the natural world. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English (See Glossary for more detail) AND successful completion of MAT 1220 or higher (grade C or better).

SCI 1056 - Integrated Science II - Earth and Life Science (GT-SC1)
4 Credit hours 90 Contact hours

Examines earth and biological systems, living and non-living environments, through the application of fundamental energy and matter concepts. These systems and concepts will be explored in hands-on laboratory experiments. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: College Readiness in English (See Glossary for more detail) AND successful completion of MAT 1220 or higher (grade C or better).

SOC - Sociology Courses

SOC 1001 - Introduction to Sociology I (GT-SS3)
3 Credit hours 45 Contact hours

This course examines the basic concepts, theories, and principles of sociology, including topics of culture, race, class, gender, sexuality, social groups, and deviance through a local and global lens. Analyzes and interprets socio-historic as well as contemporary issues by using critical thinking skills and linking individual experiences to social structures. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

SOC 1002 - Introduction to Sociology II (GT-SS3)
3 Credit hours 45 Contact hours

Examines the basic concepts, theories, and principles of sociology, including topics of family, religion, education, politics, the economy, health, demography, the environment and social movements through a local and global lens. Analyzes and interprets socio-historical as well as contemporary issues by using critical thinking skills and linking individual experiences to social structures. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

SOC 2005 - Sociology of Family Dynamics (GT-SS3)
3 Credit hours 45 Contact hours

Offers a critical exploration of marriage, family and kinship. It examines the family as an institution and how social, cultural and personal factors influence family relations locally and globally. Explores the stability and evolution of the family, along with current trends and a range of family forms. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

SOC 2007 - Environmental Sociology (GT-SS3)
3 Credit hours 45 Contact hours

Examines how humans' relationship with the environment is mediated by social stratification. Key topic areas include industrial and economic growth versus sustainability, natural resources development and management, cultural values, social movements, and comparative perspectives on people's relationship to the environment. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

SOC 2015 - Contemporary Social Problems (GT-SS3)
3 Credit hours 45 Contact hours

Investigates current social issues that result in societal problems. Focuses on numerous areas including, but not limited to, the loss of civil liberties, concentration of media ownership, gender discrimination, hate crimes, poverty, hunger, environmental degradation, racism and prejudice, as well as social change. Addresses ways to ameliorate these social ills. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

SOC 2018 - Sociology of Diversity (GT-SS3)
3 Credit hours 45 Contact hours

Explores differences based on race, ethnicity, social class, gender, age, ability status, and sexual identity. Critically examines the dynamics of intergroup relations and how social construction of these differences can lead to patterns of prejudice, discrimination, and inequality nationally and globally. This is a statewide Guaranteed Transfer course in the GT-SS3 category. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

SOC 2020 - Sociology of Religion (GT-SS3)
3 Credit hours 45 Contact hours

Further explores the study of the sociology of religion. Analyzes the socially constructed definition of religion, the forms religion takes in various societies, the impact religion has on local and global societies and social institutions and the many ways in which people shape, maintain or disassemble religious structures. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

SOC 2031 - Sociology of Deviant Behavior (GT-SS3)
3 Credit hours 45 Contact hours

Critically examines various deviant categories and societal reactions to deviance affecting diverse populations. Examines how sociologists study deviance and the theories they use to explain it. Explains the ways social institutions define deviance and attempt to control, change, or treat those deviant behaviors, attitudes, and conditions. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

SOC 2075 - Special Topics in Sociology
1-12 Credit hours 15-90 Contact hours

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

SPA - Spanish Courses

SPA 1011 - Spanish Language I: GT-AH4
5 Credit hours 75 Contact hours

Develops students' interpretive, interpersonal, and presentational communicative abilities in the language. This course integrates these skills with the study of the cultures in which the language is used and offers a foundation in the analysis of culture and develops intercultural communicative strategies.

***NOTE: This course becomes a GT-AH 4 course beginning Fall 2025**

SPA 1012 - Spanish Language II: GT-AH4
5 Credit hours 75 Contact hours

Expands students' interpretive, interpersonal, and presentational communicative abilities in the Spanish language. This course integrates these skills with the study of the cultures in which the language is used and offers a foundation in the analysis of culture and develops intercultural communicative strategies.

***NOTE: This course becomes a GT-AH 4 course beginning Fall 2025**

Prerequisite: Successful completion of SPA 1011 (grade C or better) or permission by the Department Chair.

SPA 1015 - Spanish for the Professional I
3 Credit hours 45 Contact hours

This course presents introductory Spanish language skills, for professional use in a variety of fields, within Spanish-speaking environments. This course is intended for language learners with little or no prior experience.

SPA 2011 - Spanish Language III (GT-AH4)
3 Credit hours 45 Contact hours

Continues Spanish Language I and II in the development of increased functional proficiency in listening, speaking, reading and writing the Spanish language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.~~This course is one of the Statewide Guaranteed Transfer courses. GT-AH4

Prerequisite: Successful completion of SPA 1012 (grade C or better) or permission by the Department Chair.

SPA 2012 - Spanish Language IV (GT-AH4)
3 Credit hours 45 Contact hours

Continues Spanish Language III in the development of increased functional proficiency at intermediate mid level in speaking, aural comprehension, reading, writing, and cultural competency in the Spanish language. This course is conducted predominantly in Spanish. This is a statewide Guaranteed Transfer course in the GT-AH4 category.

Prerequisite: Successful completion of SPA 2011 (grade C or better) or permission by the Department Chair.

SPA 2015 - Spanish for the Professional II
3 Credit hours 45 Contact hours

Continues SPA 115 in the development of a working knowledge of the target language, cultural behaviors and values useful in various professional fields such as health care, law enforcement, bilingual education, business, and others.

SPA 2035 - Spanish Reading-Writing
3 Credit hours 45 Contact hours

Builds vocabulary and develops reading and writing strategies in Spanish to be able to analyze fictional and non-fictional texts and gain further cultural insight of the Hispanic world.

Prerequisite: Successful completion of SPA 1012 (grade C or better) or permission by the Department Chair.

SPA 2075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

SWK - Social Work Courses

SWK 1000 - Introduction to Social Work
3 Credit hours 45 Contact hours

Introduces students to the philosophy of the social work profession including the knowledge, values, ethics, roles and skills inherent to generalist social work.

SWK 1100 - Social Welfare and Community Agencies with Service Learning
3 Credit hours 60 Contact hours

Provides a community oriented, service-related, and civic engagement experience from a social work perspective. The course requires at least 30 hours of service to a pre-approved community organization to enhance academic and civic learning, and covers social problems addressed by the organization. The course integrates social justice, socioeconomic, and political issues to personal and professional development within the field of social work.

THE - Theatre Courses

THE 1005 - Theatre Appreciation (GT-AH1)
3 Credit hours 45 Contact hours

Provides an opportunity to discover, analyze, and evaluate all aspects of the theatre experience: scripts, acting, directing, staging, history, criticism, and theory. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

THE 1006 - Cross Cultural Storytelling
4 Credit hours 60 Contact hours

Offers international and American students the opportunity to share ethnic/cultural experiences by using the theatre techniques of storytelling, improvisation, mime, verbal and non-verbal language, scripting, and staging techniques resulting in performance projects.

THE 1008 - Theater Script Analysis (GT-AH1)
3 Credit hours 45 Contact hours

Explore methods of reading and analyzing a variety of diverse texts for the stage. Additionally, this course provides an opportunity to interpret theatre scripts through cultural lenses and dramaturgical research methods. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

THE 1011 - Acting I
3 Credit hours 45 Contact hours

Covers basic acting techniques and approaches including scene study, improvisation, and script analysis. It includes practical application through classroom performance.

THE 1012 - Acting II
3 Credit hours 45 Contact hours

Continues to explore basic acting techniques and approaches, including scene study, improvisation, and intermediate script analysis. Includes practical application through classroom and showcase performances.

THE 1015 - Stage Movement for Actors
3 Credit hours 45 Contact hours

Introduces the vocabulary of human movement, techniques of physical training, and anatomy and kinesiology for the actor. The course includes forms of basic dance and the coordination of movement with vocal delivery.

THE 1016 - Technical Theatre
3 Credit hours 60 Contact hours

Introduces methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews.

Prerequisite: THE 1005 is recommended.

THE 1024 - Theatre and Event Tech Careers
3 Credit hours 60 Contact hours

Explores the various industries, avenues of employment and professional organizations within the fields of theatre & event technology. Students will develop the skill sets associated with successful employment in these industries.

THE 1026 - Auditioning for Musical Theatre
3 Credit hours 45 Contact hours

Builds a confident, talented and exciting audition. It includes a mock videotaped audition, and covers resumes, head shots, repertoire choices, stage fright, 16-bar audition and dressing for success. This course is presented in conjunction with producers from regional theaters providing valuable feedback for the participants.

THE 1031 - Theatre Production I
3 Credit hours 45 Contact hours

Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available.

THE 1032 - Theatre Production II
3 Credit hours 45 Contact hours

Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available.

THE 1040 - Stage Dialects
1 Credit hour 15 Contact hours

Teaches students to develop skills in nine dialects and accents.

THE 2011 - Development of Theatre Greek-Reniassance (GT-AH1)
3 Credit hours 45 Contact hours

Surveys the history and development of theatrical practices from Ancient Greece to the Renaissance as well as non-western forms, emphasizing all aspects of performance from period values to analysis of dramatic literature and culture. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

Prerequisite: THE 1005 is recommended.

THE 2012 - Development of Theatre Restoration to Modern (GT-AH1)
3 Credit hours 45 Contact hours

Surveys the history and development of theatrical practices from Restoration to the present as well as non-Western forms, emphasizing all aspects of performance from period values to analysis of dramatic literature and culture. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

Prerequisite: THE 1005 is recommended.

THE 2013 - Intermediate Acting I
3 Credit hours 60 Contact hours

Continues THE 1012. Emphasis is on artistic concentration of voice and movement. A detailed character biography is required.

THE 2015 - Playwriting (GT-AH1)
3 Credit hours 45 Contact hours

Develops playwriting techniques emphasizing elements of dramatic structure, dialogue, styles, creative writing, and theatrical practices. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

THE 2016 - Theatre Lighting and Design
3 Credit hours 60 Contact hours

Focuses on the theory and practice of stage lighting. Topics include basic electrical theory, color theories, rigging and design of lighting for the performing arts.

THE 2020 - Directing I
3 Credit hours 45 Contact hours

Covers the basic techniques for stage directing in contemporary theatre. Topics include stage composition, script analysis, work with actors, and the collaborative role of the director.

THE 2026 - Theatre Sound Operation and Design I
3 Credit hours 60 Contact hours

Explores the fundamental processes required to create a conceptual sound design for a stage play. Students apply skills gained in this course to an actual production**.**

THE 2031 - Theatre Production III
3 Credit hours 45 Contact hours

Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available.

Prerequisite: Permission of the Department.

THE 2032 - Theatre Production IV
3 Credit hours 45 Contact hours

Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available.

Prerequisite: Permission of the Department.

THE 2075 - Special Topics
0-12 Credit hours 15-90 Contact hours

Explores current topics, issues and activities related to one or more aspects of the named discipline.

TRI - Translation and Interpretation Courses

TRI 1001 - Introduction to Translation and Interpretation
3 Credit hours 45 Contact hours

Presents an introduction to translation and interpretation including basic principles, procedures, and techniques; a portrait of the work duties of the various types of translators and interpreters; and theoretical foundations for translation and interpretation.

Prerequisite: College Readiness in English (See Glossary for more detail). Student must also show proficiency in the target language with a minimum level of 9 in the placement test administered by Alta Language Services. Please see chair for information on testing. .

TRI 1003 - Code of Ethics
2 Credit hours 30 Contact hours

Presents the general National and State ethical guidelines that govern the conduct of professional interpreters and translators and the role of cultural competence in effective translation and interpretation.

Prerequisite: Successful completion of or concurrent enrollment in TRI 1001 (grade C or better) or permission of the Department Chair.

TRI 1004 - Business of Translation and Interpretation
3 Credit hours 45 Contact hours

Presents an overview of the business of translation and interpretation including job searching, how to start a business, qualifications, and essential technologies.

Prerequisite: Successful completion of or concurrent enrollment in TRI 1001 (grade C or better) or Permission of the Department Chair.

TRI 1075 - Special Topics
1-12 Credit hours 15-90 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.

TRI 1080 - Internship
0-12 Credit hours 15-90 Contact hours
Provides credit for placement in business and industry environments that offer degree-seeking students professional-level experience and responsibility.
Prerequisite: Permission of the Department Chair.

TRI 2001 - Consecutive Interpretation I
3 Credit hours 45 Contact hours

Presents the theory, history, and skills of consecutive interpretation and fosters the practical application of these skills.

Prerequisite: Successful completion of or concurrent enrollment in TRI 1001 (grade C or higher) or permission of the Department Chair.

TRI 2002 - Simultaneous Interpretation I
3 Credit hours 45 Contact hours

Presents the theory, history, and skills of simultaneous interpretation and fosters the practical application of these skills.

Prerequisite: Successful completion of TRI 1001 (grade C or better) or permission of the Department Chair.

TRI 2003 - Sight Translation
3 Credit hours 45 Contact hours

Presents the theory, history, and skills of sight translation and fosters the practical application of these skills.

Prerequisite: Successful completion of TRI 1001 (grade C or better) or permission of the Department Chair.

TRI 2004 - Consecutive Interpretation II
3 Credit hours 45 Contact hours

Continues the development of consecutive interpretation skills from TRI 201 Consecutive Interpretation I, with more focus on the quality of the rendition. Skills on note-taking, focused listening, and coping mechanisms in the interpretation of difficult texts are further emphasized as students advance. The complexity of vocabulary used and the length of utterance are increased.

Prerequisite: Successful completion of TRI 2001 (grade C or better) or permission of department chair.

TRI 2005 - Simultaneous Interpretation II
3 Credit hours 45 Contact hours

Continues the development of simultaneous interpretation skills from TRI 202 Simultaneous Interpretation I, with more focus on the quality of the rendition. Students develop further linguistic agility and coping skills, and practice with higher complexity texts. They learn research and analysis

skills required for adequate professional preparation. Additional attention is paid to the work with portable simultaneous interpreting equipment, and in a team environment.

Prerequisite: Successful completion of TRI 2002 (grade C or better) or permission of department chair.

TRI 2075 - Special Topics
1-12 Credit hours 15-90 Contact hours

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Prerequisites for the course are determined by the topic. Please contact the department or your advisor if you have questions.

WST - Women and Gender Studies Courses

WST 2000 - Introduction to Women's and Gender Studies: GT-SS3
3 Credit hours 45 Contact hours

Explores the interdisciplinary field of women's and gender studies. Topics include the background and history of women's and gender studies, rights movements, LGBTQIA+ identities, social constructions of sex and gender, relevant theories, women's and gender statuses in social institutions including but not limited to the media, healthcare, religion, and government. This course examines inequality in gender and sexuality on national and global levels. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

WST 2300 - Women's Sexuality (GT-SS3)
3 Credit hours 45 Contact hours

Explores the development of sexualities throughout history and cross-culturally. The course addresses theories of sexuality and erotic power, women's sexualities across cultures and throughout the lifespan, the perception of sexuality in religion and culture, and creative visualizations of women's sexuality in literature, visual, music, and performance art. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English (See Glossary for more detail).

DEGREES, CERTIFICATES, AND GT PATHWAYS COURSES

Associate Degrees

Addiction Recovery, A.A.S.

The AAS degree in Behavioral Health with an emphasis on Addictions and Addiction Recovery prepares students for diverse careers in the field. They will be able to pursue work as certified addiction technicians, as well as peer recovery or prevention specialists. Graduates can also seek positions in residential treatment centers. After finishing the program, students are ready to complete the remaining requirements to become Certified Addiction Technicians through the CO Department of Regulatory Agencies (DORA).

Degree Requirements: 67 Credits

General Education Requirements: 25 credits

ENG 1021	English Composition I (GT-CO1)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
MAT 1260	Introduction to Statistics (GT-MA1)	3
COM 2063	Conflict Resolution	1
SWK 1100	Social Welfare and Community Agencies with Service Learning	3

Addiction Recovery Requirements: 17 credits

CSL 2046	Ethical Practice in Addiction Treatment	1
CSL 2048	Advanced Case Conceptualization and Documentation	1
CSL 2050	Motivational Interviewing I	1.5
CSL 2051	Pharmacology I for Addiction Counselors	1
CSL 2052	Advanced Pharmacology	1
CSL 2053	Cognitive Behavior Therapy	1
CSL 2054	Trauma Informed Care	1
CSL 2055	Infectious Diseases for Addiction Counselors	1
CSL 2056	Co-occurring Disorders	1
CSL 2058	Group Counseling Skills	1.5
CSL 2059	Advanced Professional and Ethical Practice	1
CSL 2061	Case Conceptualization and Documentation	1
CSL 2065	Culturally Informed Treatment	1
CSL 2068	Addictions Counseling Skills	1.5
CSL 2069	Principles of Addiction	1.5

Behavioral Health Core: 25 credits

HPR 1000	Introduction to Health	3
HPR 1008	Law & Ethics for Health Professionals	2
HPR 1038	Introduction to Medical Terminology	1
PTE 1010	Intro to Behavioral Health Care and Wellness	3
PTE 1017	Theoretical Concepts of Psychiatric Care II	2
PTE 1020	Application of Behavioral Health Care & Wellness	5
BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 2001	Mental Health Crisis & Intervention: Advoc, Interv, & Resil	3
BEH 2030	Applied Therapeutic Communication Skills	3

Applied Technology, A.A.S.

The AAS degree in Applied Technology requires the completion of at least 60 semester hours. Credits from area vocational schools that apply to the degree vary in number according to the certificate program offered by the area vocational school. A maximum of 45 certificate credits from a CCCS-approved CTE program may be applied toward the Applied Technology degree. Students must complete at least 15 credit hours at CCA from the approved General Education course list. Students whose certificate program taken at the area vocational school that requires fewer than 45 hours need to complete additional courses at CCA to meet the 60 credits required for the degree and should consult their advisor for more information.

Degree Requirements: 60 credits

General Education Requirements: 15 credits

English and Communication
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3
	Or	
ENG 1031	Technical Writing I (GT-CO1)	3
	AND	
COM 1150	Public Speaking	3

Mathematics
(3 credits)

MAT 1140	Career Mathematics	3

MAT 1140: or higher

Social and Behavioral Sciences
(3 credits)

Select 1 **GT Pathways (SS1, SS2, SS3)** course from:

*Please note **NOT** all courses in the prefixes listed below are GT Pathways courses. Only courses marked as GT Pathways (SS1, SS2, SS3) will count towards this requirement.

ANT	3
COM	3

CRJ	3
ECO	3
ETH	3
GEO	3
PSC	3
PSY	3
SOC	3
WST	3

Natural and Physical Sciences
(3 credits)

Select 1 **GT Pathways (SC1, SC2)** course from:

*Please note NOT all courses in the prefixes listed below are GT Pathways courses. Only courses marked as GT Pathways (SC1, SC2) will count towards this requirement.

ANT	3
AST	3
BIO	3
CHE	3
GEO	3
GEY	3
PHY	3

Electives: 45 credit
Total Area Vocational School Credits, up to 45: If credits transferred in equal less than 45, students must take enough credits to equal 60. Students whose certificate program taken at the area vocational school requires 30 or fewer hours needed to complete a minimum of twelve hours in a single technology-based discipline, such as CIS, MGD or FVM. Specific courses must be selected in consultation with a CCA Department Chair.

Subtotal: 45

Associate of Arts Degree Core

The Associate of Arts (AA) degree is a 2-year, 60-credit degree program for students who want to transfer to a four-year college or university to pursue a four-year degree in arts, humanities, communication, or social sciences. The AA degree also includes courses in math and sciences. As a transfer degree, the AA includes Guaranteed Transfer (GT) courses as well as elective classes. Students who want to transfer to a specific four-year degree program, such as Communication, History, or Fine Arts, should follow the program pathway for that specific AA degree. This is known as 'choosing a major.' Students who do not choose a specific AA degree pathway will be awarded a general AA degree. The Associate of Arts degree is a two-year degree featuring courses from a variety of subject areas, including English, Communication, Arts, Math, science, and Social Science. Students wishing to transfer to a four-year university should choose an AA degree with a specific concentration, such as English, Education, History, Psychology, Spanish, and so on. An AA degree without a concentrated subject area may not transfer to a four-year university program, or it may require that additional courses be taken at the four-year level. Speak to an advisor to declare your program.

Degree Requirements: 60 credits

General Education Requirements: 37 credits

English and Communication
(9 credits – GT-CO1, GT-CO2)

English – take both courses; Communication – select 1 course

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3
	AND	
COM 1150	Public Speaking	3
	OR	
COM 1250	Interpersonal Communication (GT-SS3)	3
	OR	
COM 2300	Intercultural Communication (GT-SS3)	3

Mathematics
(3 credits – MA1)

Select one gtPathways course. Credits over three will be applied to electives.

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
MAT 2560	Differential Equations (GT-MA1)	3

Arts and Humanities
6 Credits GT-AH1, GT-AH2, GT-AH3, or GT-AH4

Select two gtPathways courses from two different categories

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3

COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3

ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Additional General Education Courses

Arts and Humanities, History, or Social and Behavioral Sciences

(3 credits any GT-AH, GT-HI, GT-SS)

Select one additional course from the courses listed above from any of the following gtPathways categories:

GT-AH1, GT-AH2, GT-AH3, GT-AH4, GT-HI1, GT-SS2, GT-SS3, GT-SS3

Natural and Physical Sciences

(7 credits-GT-SC1, GT-SC2)

Select two gtPathways courses, one must be a GT-SC1 course with lab

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Electives: 23 credits

Electives may be chosen from any gtPathway course or from the following list of non-gtPathway courses:

Academic Achievement Strategies

Any AAA course 1000 or above

Accounting

ACC 1011	Introduction to Financial Accounting	3
ACC 1012	Introduction to Managerial Accounting	3

American Sign Language

ASL 1121	American Sign Language I	5
ASL 1122	American Sign Language II	5
ASL 1123	American Sign Language III	5
ASL 2221	American Sign Language IV: (GT-AH4)	3

Art

ART 1801	Fiber Design I	3
ART 1201	Drawing I	3
ART 1203	Figure Drawing I	3
ART 1002	Visual Concepts 2-D Design	3
ART 1003	3-D Design	3
ART 1604	Jewelry and Metalwork I	3
ART 1004	4-D Design: Time-Based Art	3
ART 1401	Digital Photography I	3
ART 1301	Painting I	3
ART 1703	Ceramics I	3
ART 1202	Drawing II	3
ART 2203	Advanced Figure Drawing	3
ART 2401	Digital Photography II	3

ART 1704	Ceramics II Wheel Throwing	3

Behavioral Health

BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 1030	Behavioral Health Case Management and Clinical Documentation	1
BEH 2030	Applied Therapeutic Communication Skills	3

Biology

BIO 1006	Basic Anatomy and Physiology	4
BIO 2116	Human Pathophysiology	4

Business

BUS 1015	Introduction to Business	3
BUS 1016	Personal Finance	3
BUS 2001	Business Logistics Optimization	3
BUS 2002	Business Purchasing, Supply, and Sourcing Logistics	3
BUS 2016	Legal Environment of Business	3
BUS 2017	Business Communication and Report Writing	3
BUS 2026	Business Statistics	3

Chemistry

CHE 2111	Organic Chemistry I with Lab	5
CHE 2112	Organic Chemistry II with Lab	5

Communication

COM 1150	Public Speaking	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2062	Communicating With Impossible People	1
COM 2063	Conflict Resolution	1
COM 2066	Decision Making	1
COM 2068	Problem-Solving	1

Computer Information Systems

CIS 1015	Introduction to Computer Information Systems	3
CIS 1018	Introduction to PC Applications	3
CIS 1055	PC Spreadsheet Concepts (Excel)	3
CIS 2067	Management of Information Systems	3

Computer Networking

CNG 1001	Network Fundamentals	3

Computer Science

CSC 1019	Introduction to Programming	3

Engineering

Any EGG course 1000 level or above

English

ENG 2022	Creative Writing II	3
ENG 2031	Literary Magazine	3

Film Video Media

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1010	Creativity Lab	2
FVM 1011	Creative Careers in Media	2
FVM 1012	Ethical Creative Practice	3
FVM 1017	Understanding the Actor's Process	3
FVM 1022	Writing and Storytelling for the Screen	3
FVM 1030	Introduction to Digital Videos	1
FVM 1031	Mental Health Coordination 1	3
FVM 1050	Development of Film Expression	3
FVM 1053	Introduction to Film Production	3
FVM 1060	Video Post-Production I	3
FVM 1063	Digital Editing: Premiere	3
FVM 1064	Digital Editing: Final Cut Pro	3
FVM 1065	Digital Editing: Avid	3
FVM 1103	Intimacy for Stage and Screen 1	3
FVM 1185	The Documentary Film	3
FVM 1224	Digital Set Design	3
FVM 1965	Content Creator	2
FVM 1977	Content Creator Professional	3
FVM 2005	Camera Techniques	3
FVM 2006	Film/Video Lighting	3
FVM 2008	Sound for Film/Video	3
FVM 2034	Mental Health Coordination 2	3
FVM 2051	Feature Script Analysis	3
FVM 2052	Writing the Independent Film	3
FVM 2068	Feature Rewrites Workshop	3
FVM 2069	Screenwriter's Workshop	3
FVM 2080	Intimacy and Mental Health Internship	1-12
FVM 2103	Intimacy for Stage and Screen 2	3
FVM 2122	Virtual Production	3
FVM 2143	Welcome to Unreality	3

Health Wellness

HWE 1050	Human Nutrition	3

Management

MAN 1005	Logistics Management	3
MAN 1056	Problem Solving-Business Environment	3
MAN 1068	Basic Process Controls	2
MAN 2000	Human Resources Management I	3
MAN 2001	Human Resources Management II	3
MAN 2025	Managerial Finance	3
MAN 2026	Principles of Management	3

Marketing

MAR 1060	Customer Service	3
MAR 2016	Principles of Marketing	3
MAR 2040	International Marketing	3

Multimedia Graphic Design

MGD 1002	Introduction to Multimedia	3

Music

MUS 1000	Introduction to Music Theory I	3
MUS 1006	Introduction to Songwriting	3
MUS 1007	Entreprenuership and Artistry for Musicians	3
MUS 1010	Music Theory I	3
MUS 1012	Ear Training/Sight Singing Lab I	1
MUS 1013	Ear Training/Sight Singing Lab II	1

Nursing

NUR 2013	Professional Nursing Pathway I	3

Physical Education

Any Course 1000 or above

Physics

PHY 2113	Physics: Calculus Based III Modern Physics	3

Psychiatric Technician Courses

PTE 1010	Intro to Behavioral Health Care and Wellness	3

Spanish

SPA 1011	Spanish Language I: GT-AH4	5
SPA 1012	Spanish Language II: GT-AH4	5
SPA 2035	Spanish Reading-Writing	3

Theatre

THE 1006	Cross Cultural Storytelling	4
THE 1011	Acting I	3
THE 1012	Acting II	3
THE 1015	Stage Movement for Actors	3
THE 1016	Technical Theatre	3
THE 1026	Auditioning for Musical Theatre	3
THE 1031	Theatre Production I	3
THE 1032	Theatre Production II	3
THE 2013	Intermediate Acting I	3

Note: These courses will meet the requirements for an A.A. degree granted by CCA. However, transferring requirements vary by receiving institutions. See an advisor for help with choosing electives.

Associate of Science Degree Core

The Associate of Science (AS) degree is a 2-year, 60-credit degree program for students who want to transfer to a four-year college or university to pursue four-year degree in natural science, math, computer science, engineering, or healthcare fields. The AS degree also includes courses in communication, arts & humanities, and social sciences. As a transfer degree, the AS includes Guaranteed Transfer (GT) courses as well as elective classes. Students who want to transfer to a specific four-year degree program, such as Biology, Chemistry, or Physics, should follow the program pathway for that specific AS degree. This is known as 'choosing a major. Students who do not choose a specific AS degree pathway will be awarded a general AS degree. The Associate of Science degree is a two-year degree featuring courses from a variety of Science subject areas, as well as English, Arts, Math, and Social Science. Students wishing to transfer to a four-year university should choose an AS degree with a specific concentration, such as Biology, Chemistry, Geology, Mathematics, or Psychology. An AS degree without a concentrated subject area may not transfer to a four-year university program, or it may require that additional courses be taken at the four-year level. Speak to an advisor to declare your program.

Degree Requirements: 60 credits

General Education Core Requirements: 39 credits

English and Communication

(9 credits – GT-CO1, GT-CO2)

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3
	AND	
COM 1150	Public Speaking	3
	OR	
COM 1250	Interpersonal Communication (GT-SS3)	3
	OR	
COM 2300	Intercultural Communication (GT-SS3)	3

Mathematics

(3 credits – GT-MA1)

Credits over three will count as electives. Select from the following or any MAT course higher than MAT 2410.

MAT 1340	College Algebra (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2560	Differential Equations (GT-MA1)	3
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4

Arts and Humanities

(6 credits – GT-AH1, GT-AH2, GT-AH3, AH4)

Select two gtPathways Arts & Humanities courses from two different areas:

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3

ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History

(3 credits – GT-HI1)

Select one gtPathways course

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways Social and Behavioral Science courses from two different areas (GT-SS1, GT-SS2, GT-SS3)

OR

One gtPathways Social and Behavioral Science course (GT-SS1, GT-SS2, GT-SS3) AND one gtPathways History course (GT-HI1)

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3

ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(12 credits – GT-SC1)

One 2-lab course sequence in any gtPathways science discipline (GT-SC1) and One additional gtPathways lab science course (GT-SC1).

AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Electives: 21 credits

Electives may by chosen from any gtPathway course or from the following list of non-gtPathway courses.

Select from the following:

Academic Achievement Strategies

Any AAA course 1000 or above.

Accounting

ACC 1011	Introduction to Financial Accounting	3
ACC 1012	Introduction to Managerial Accounting	3

American Sign Language

ASL 1121	American Sign Language I	5
ASL 1122	American Sign Language II	5
ASL 1123	American Sign Language III	5
ASL 2221	American Sign Language IV: (GT-AH4)	3

Art

ART 1201	Drawing I	3
ART 1203	Figure Drawing I	3
ART 1002	Visual Concepts 2-D Design	3
ART 1003	3-D Design	3
ART 1004	4-D Design: Time-Based Art	3
ART 1401	Digital Photography I	3
ART 1301	Painting I	3
ART 1703	Ceramics I	3
ART 1202	Drawing II	3
ART 1704	Ceramics II Wheel Throwing	3

Behavioral Health

BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 1030	Behavioral Health Case Management and Clinical Documentation	1
BEH 2030	Applied Therapeutic Communication Skills	3

Biology

BIO 1006	Basic Anatomy and Physiology	4
BIO 2116	Human Pathophysiology	4

Business

BUS 1015	Introduction to Business	3

BUS 1016	Personal Finance	3
BUS 2016	Legal Environment of Business	3
BUS 2017	Business Communication and Report Writing	3
BUS 2026	Business Statistics	3

Chemistry

CHE 2111	Organic Chemistry I with Lab	5
CHE 2112	Organic Chemistry II with Lab	5

Communication

COM 1150	Public Speaking	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2062	Communicating With Impossible People	1
COM 2063	Conflict Resolution	1

Computer Information Systems

CIS 1015	Introduction to Computer Information Systems	3
CIS 1018	Introduction to PC Applications	3
CIS 2067	Management of Information Systems	3

Computer Networking

CNG 1001	Network Fundamentals	3

Computer Science

CSC 1019	Introduction to Programming	3

Engineering

Any 1000 level course or above

English

ENG 2022	Creative Writing II	3
ENG 2031	Literary Magazine	3

Film Video Media

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1010	Creativity Lab	2
FVM 1011	Creative Careers in Media	2
FVM 1012	Ethical Creative Practice	3
FVM 1017	Understanding the Actor's Process	3
FVM 1022	Writing and Storytelling for the Screen	3
FVM 1030	Introduction to Digital Videos	1
FVM 1031	Mental Health Coordination 1	3
FVM 1050	Development of Film Expression	3
FVM 1053	Introduction to Film Production	3
FVM 1060	Video Post-Production I	3
FVM 1063	Digital Editing: Premiere	3
FVM 1064	Digital Editing: Final Cut Pro	3
FVM 1065	Digital Editing: Avid	3
FVM 1103	Intimacy for Stage and Screen 1	3
FVM 1185	The Documentary Film	3
FVM 1224	Digital Set Design	3
FVM 1965	Content Creator	2
FVM 1977	Content Creator Professional	3
FVM 2005	Camera Techniques	3
FVM 2006	Film/Video Lighting	3
FVM 2008	Sound for Film/Video	3
FVM 2034	Mental Health Coordination 2	3
FVM 2051	Feature Script Analysis	3
FVM 2052	Writing the Independent Film	3
FVM 2068	Feature Rewrites Workshop	3
FVM 2069	Screenwriter's Workshop	3
FVM 2080	Intimacy and Mental Health Internship	1-12
FVM 2103	Intimacy for Stage and Screen 2	3
FVM 2122	Virtual Production	3
FVM 2143	Welcome to Unreality	3

Health Wellness

HWE 1050	Human Nutrition	3

Management

MAN 1056	Problem Solving-Business Environment	3
MAN 2000	Human Resources Management I	3
MAN 2001	Human Resources Management II	3
MAN 2025	Managerial Finance	3
MAN 2026	Principles of Management	3

Marketing

MAR 2016	Principles of Marketing	3
MAR 2040	International Marketing	3

Multimedia Graphic Design

MGD 1002	Introduction to Multimedia	3

Music

MUS 1006	Introduction to Songwriting	3
MUS 1007	Entreprenuership and Artistry for Musicians	3
MUS 1010	Music Theory I	3

Nursing

NUR 2013	Professional Nursing Pathway I	3

Physical Education

Any course 1000 or above

Physics

PHY 2113	Physics: Calculus Based III Modern Physics	3

Psychiatric Technician Courses

PTE 1010	Intro to Behavioral Health Care and Wellness	3

Spanish

SPA 1011	Spanish Language I: GT-AH4	5
SPA 1012	Spanish Language II: GT-AH4	5
SPA 2035	Spanish Reading-Writing	3

Note: These courses will meet the requirements for an A.S. degree granted by CCA. However, transferring requirements vary by receiving institutions. See an advisor for help with choosing electives.

NOTE: This guarantee excludes majors in Education, Business, Engineering, or Nursing, and certain Liberal Arts and Sciences majors.

Biology Transfer Major, A.S.

Program is designed for students transferring to a 4-year school to complete their BS degree in Biology. It allows students to complete the first 2 years of the BS degree at the community college. Students explore physics, chemistry and biology. Careers often require a BS degree or higher. Biology is the study of life and living beings, including their types, growth, structure, evolution, and where and how they live. Modern biology is very broad and it has many smaller areas, including the study of animals, plants, cells, genes, and other life science topics. This program introduces students to Biology and it includes courses that are common to all four-year institutions in Colorado. Career paths for Biology degree holders include pre-medicine, pre-pharmacy, pre-veterinary, physical therapy, dentistry, and many scientific arenas. The Associate of Science (AS) degree in Biology prepares students to complete the second half of a Bachelor of Science (BS) in Biology at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 35 credits

English and Communication

(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics

(4 credits – MA1)

MAT 1340	College Algebra (GT-MA1)	4
	OR	
	A higher numbered GT Pathways approved MA1 course	

Students are encouraged to seek advising at their intended transfer institution regarding the level of mathematics preparation required for their intended transfer pathway.

Arts and Humanities

(6 Credits-GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select two gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3

SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(10 credits)

Category I (GT-SC1)

BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5

Additional Required Courses: 20 credits

Students are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if they anticipate transferring to a 4-year institution or completing graduate work in the sciences or health professions. It should be noted that per Colorado Revised Statute, §23-1-125(1)(e), general education courses taken online are guaranteed to satisfy core course (GT Pathways) requirements at all Colorado public institutions of higher education.

BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
	OR	
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5

	OR	
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5

*Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied.

Electives: 5 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Business Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree and transfer to a university to complete a BA or BS in Business. Economics, the community Accounting, and business are explored. Careers typically require a bachelor's or master's degree. The Business Management AA degree prepares the student to transfer as a junior to Colorado 4-year universities. This degree allows you to pursue a BA or BS degree in areas such as Management, Human Resources, Administration, Economics, Marketing, Finance, Accounting, Healthcare Admin and more.

Degree Requirements: 60 credits

General Education Requirements: 32 credits

English and Communication
(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics
(4 credits – GT-MA1)

Select one gtPathways course

Note: Adams State University, Colorado Mesa University, Colorado State University, Colorado State University – Pueblo, Fort Lewis College, and the University of Colorado Colorado Springs require MAT 1340 College Algebra.

Note: The University of Northern Colorado requires MAT 1400 Survey of Calculus.

MAT 1340	College Algebra (GT-MA1)	4
	Or	
MAT 1320	Finite Mathematics (GT-MA1)	4
	Or	
MAT 1400	Survey of Calculus (GT-MA1)	4
	OR	
MAT	Higher Level Calculus course	4-5

Arts and Humanities
PHI 2005 and Select one gtPathways course (3 credits - GT-AH1, GT-AH2, GT-AH3, GT-AH4)

PHI 2005	Business Ethics (GT-AH3)	3

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3

LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History

(3 credits - GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1)

Take both Economic Courses.

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3

Natural and Physical Sciences

(7 credits - GT-SC1, GT-SC2)

Select two gtPathways courses, one must be with laboratory (GT-SC1)

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Business Requirements: 21-23 credits

ACC 1011	Introduction to Financial Accounting OR ACC 1021 * Note CCA no longer offers ACC 1021	3
ACC 1012	Introduction to Managerial Accounting OR ACC 1022 * Note CCA no longer offers ACC 1022	3
BUS 1015	Introduction to Business	3
BUS 2016	Legal Environment of Business	3
BUS 2017	Business Communication and Report Writing	3
BUS 2026	Business Statistics	3
COM 1150	Public Speaking	3

Please note: CCA no longer offers ACC 1021 or ACC 1022.

Electives: 5-7 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

See an advisor for help with choosing electives.

Chemistry Transfer Major, A.S.

Program is designed for students transferring to a 4-year school to complete their BS degree in Chemistry. It allows students to complete the first 2 years of the BS degree at the community college. Students explore calculus, physics and chemistry. Careers often require a BS degree or higher. Chemistry is the study of the properties, structure, and change of matter. Students will explore atoms, chemical bonds and reactions, the way matter interacts, and the forces that give matter its properties. This program introduces students to Chemistry and it includes courses that are common to all four-year institutions in Colorado. Career paths for Chemistry degree holders include research, quality control, drug research, chemical engineering, and national defense. The Associate of Science (AS) degree in Chemistry prepares students to complete the second half of a Bachelor of Science (BS) in Chemistry at a four-year university.

Degree Requirements: 65 credits

General Education Requirements: 36 credits

English and Communication

(6 credits – GT-CO1, GT-CO2)

Select two gtPathways courses

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	OR	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics

(5 credits – MA1)

MAT 2410	Calculus I (GT-MA1)	5

Arts and Humanities

(6 Credits-GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select two gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: GT-AH1	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: GT-AH1	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: GT-AH4	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History
(3 credits - GT-AHI)

Select one gtPathways course

Category I (GT-HI1)

HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3

Social and Behavioral Sciences
(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences
(10 credits)

Category I (GT-SC1)

CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5

Additional Required Courses: 29 credits

MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
CHE 2111	Organic Chemistry I with Lab	5
CHE 2112	Organic Chemistry II with Lab	5

CHE 2111, CHE 2112: Lecture and laboratory portions of organic chemistry, must not be taken in an online delivery format.

Civil Engineering, AES

Program is designed for students transferring to the University of Colorado, Boulder to complete their BS degree in civil engineering. It allows them to complete the first 2 years of the degree prior to transferring. Engineering is the application of science and math to solve problems, and engineers figure out how things work and find practical uses for scientific discoveries. Civil engineers focus on infrastructure projects and systems, including buildings, roads, bridges, and water systems. This Associate of Engineering Science, Civil degree program introduces students to calculus, physics, and both traditional and project-based engineering courses. The degree allows students to transfer to a four-year civil engineering program to complete the remaining portion of a BS degree in Civil Engineering or to directly enter the workforce upon

completion. See an advisor to review transfer university requirements and to develop an academic plan that works for you. Not all credits are guaranteed to transfer for Bachelor's degree requirements at all universities. It is recommended that you meet with your advisor before selecting a pathway in engineering.

64 Credits

General Education Requirements: 34 Credits

English and Communication: 3 Credits

ENG 1021	English Composition I (GT-CO1)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3

Mathematics: 10 Credits

MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5

Arts and Humanities: 3 Credits

Select one gtPathways Arts and Humanities course (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Social and Behavioral Sciences: 3 Credits

Select ECO 2001 or ECO 2002

OR

Select one gtPathways Social and Behavioral Science course (GT-SS1, GT-SS2, GT-SS3)

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3

ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences: 15 Credits

CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5

Additional Required Courses: 27 Credits

Engineering: 9 Credits

EGG 2011	Engineering Mechanics I - Statics	3
EGG 2012	Engineering Mechanics II (Dynamics)	3
EGG 2030	Mechanics of Solids	3

Engineering Projects: 3 Credits

EGG 1040	First Year Engineering Projects	3
	Or	
EGT 1110	Intro Design/Engineering Apps	3
	Or	
EGG 1030	Robotics Design	1
	AND	
EGG 1051	Experimental Design (Introduction to Experimental Design and Engineering)	2

Calculus III: 4 Credits

MAT 2430	Calculus III (GT-MA1)	4
	Or	
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5

MAT 2431 is preferred: however, additional credits over 64 may not transfer.

Elective: 3 Credits

GEY 1111	Physical Geology with Lab (GT-SC1)	4
	Or	
EGG 2020	Thermodynamics	3

GEY 1111 counts as lower division technical elective.

Differential Equations and Linear Algebra: 4 Credits

MAT 2562	Differential Equations with Linear Algebra	4
	Or	
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
	AND	
MAT 2540	Linear Algebra	3
	Or	
MAT 2560	Differential Equations (GT-MA1)	3
	AND	
MAT 2540	Linear Algebra	3

MAT 2562 is preferred.

Revit/CAD: 3 Credits

CAD 2220	Revit Architecture	3

Computer Science: 4 Credits

CSC 1060	Computer Science I: (C++)	4
	Or	
EGG 1060	Introduction to Engineering Computing	4

EGG 1060 is preferred.

Communication Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA in Communication. Students explore interpersonal communication and public speaking. Careers often require a bachelor's

degree. Communication studies explores the many forms of human communication. It includes many topics, from personal conversation, to television and film, to web-based media, to non-verbal communication. This program introduces students to Communication and it includes courses that are common to all four-year institutions in Colorado. Career paths for Communication degree holders include business, advertising, marketing, journalism, media companies, public relations, and social services. The Associate of Arts (AA) degree in Communication prepares students to complete the second half of a Bachelor of Arts in Communication at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 31 credits

English and Communication

(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics

(3 credits – GT-MA1)

Select one gtPathways course; Credits over 3 will be applied to electives.

MAT 1240 is recommended

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2560	Differential Equations (GT-MA1)	3
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4

Arts and Humanities

(6 Credits - GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select two gtPathway courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7 credits-GT-SC1, GT-SC2)

Select two gtPathways courses, one must be with laboratory (GT-SC1)

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4

GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 15 credits

COM 1150	Public Speaking	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
COM	Choose one course with a COM prefix	3

Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation . Please check with the receiving institution to determine in which way these courses will be applied.

Electives: 14 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Please note: Additional COM courses beyond the 5 courses (15 credit hours) identified above in the Additional Required Courses section may not count toward the Communication major at the receiving 4-year institution. See explanation in Limitations section click here.

See an advisor for help with choosing electives.

Computer Information Systems, A.A.S.

This degree program prepares student for solving strategic business problems by designing computer-based information systems. Workers in computer information systems assist in planning, coordinating, and facilitating the computer-related activities of businesses. They help determine both technical and business goals in consultation with top management and make detailed plans for the accomplishment of these goals. This requires a strong understanding of both technology and business practices.

Degree Requirements: 60 credits

General Education Requirements: 16 credits

English and Communication

(9 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3
COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Mathematics

(4 credits)

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
	Or	
MAT 1340	College Algebra (GT-MA1)	4

Social Sciences

(3 credits)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3

Required Core Courses: 11 credits

CIS 1015	Introduction to Computer Information Systems	3
CIS 1028	Introduction to Operating Systems	3
CIS 2002	Automated Project Management: MS Project	3
CIS 2003	Technology for Career Success	2

Required Courses for AAS in Computer Information Systems: 27 credits

BUS 1015	Introduction to Business	3
BUS 2017	Business Communication and Report Writing	3
CIS 1018	Introduction to PC Applications	3
CIS 1045	Introduction to Desktop Database	3
CIS 2043	Introduction to SQL	3
CIS 2067	Management of Information Systems	3
CIS 2068	Systems Analysis and Design I	3
CNG 1001	Network Fundamentals	3
CSC 1019	Introduction to Programming	3

Electives: 6 credits

BUS 2016	Legal Environment of Business	3
BUS 2026	Business Statistics	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3

Computer Science, A.A.S.

Degree program prepares students with the necessary foundational coursework to pursue a Bachelor of Science degree in Computer Science. Students will complete their basic mathematics, science, and

computer science coursework required to enter into most 4-year computer science degree programs.

Degree Requirements: 62 credits

General Education: 16 Credits

English
(6 Credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

Mathematics
(10 Credits)

MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5

Arts and Humanities OR History
(3 Credits GT-AH1, GT-AH2, GT-AH3, GT-AH4, OR GT-HI1)

Select one gtPathways course

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Category I (GT-HI1)

HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3

Natural and Physical Sciences
(15 Credits)

CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5

Social and Behavioral Sciences
(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3

ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Required Courses for Computer Science: 11 credits

CSC 1019	Introduction to Programming	3
CSC 1060	Computer Science I: (C++)	4
CSC 1061	Computer Science II: (C++)	4

Electives: 11 credits

	Choose two of the following:	
CSC 2065	Discrete Structures	4
CSC 2025	Computer Architecture/Assembly Language Programming	4
CSC 2036	Introduction to C# Programming	4
CSC 2037	Advanced C# Programming	4
	AND	
	Choose one of the following:	
MAT 2540	Linear Algebra	3
CIS 1028	Introduction to Operating Systems	3

Computer Science Transfer Major, A.S.

Program is designed for students transferring to a four-year university to complete their Bachelor of Science (BS) in Computer Science. Students explore programming and computer sciences. Students will learn application development, writing and testing code in C++, Java or other programming languages. Career paths may vary but include software engineering and application development positions in various sizes of businesses, corporations or public institutions. The AS degree in Computer Science prepares students to complete the second half of a BS in Computer Science at a four-year university.

Degree Requirements: 60 Credits

General Education Requirements: 33 credits

English and Communication
(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics
(5 credits - MA1)

MAT 2410	Calculus I (GT-MA1)	5

Additional coursework might be required to meet prerequisite requirements for calculus. Pre-requisite courses may apply toward elective credit hours.

Arts and Humanities

(6 credits – GT-AH1, GT-AH2, GT-AH3, AH4)

Select two gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3

ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7 credits-GT-SC1, GT-SC2)

Select two gtPathways courses, one **MUST** be with a lab (GT-SC1)

GT-SC1/GT-SC2 courses in sequence (same discipline) are recommended (and may be required depending on the receiving institution—consult the advising office).

Courses must be selected in consultation with the advising office from the community college and from the intended transfer institution, if known.

Seven credit minimum; additional credits in this area will be applied toward electives.

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Computer Science Requirement: 12 credits

Please note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which ways these courses will be applied.

CSC 1060	Computer Science I: (C++)	4
CSC 1061	Computer Science II: (C++)	4

Computer Science I & II Courses must be selected in consultation with the advising offices to ensure that the courses taken are in the preferred programming language. Additional coursework might be required to meet pre-requisite requirements for Computer Science I. Pre-requisite courses may apply toward elective credit hours.

AND

CSC 2025	Computer Architecture/Assembly Language Programming	4

****CSC 2025 not required at CU Denver; would transfer as free elective.**

Electives: 15 credits

Since each receiving institution may have their own program requirements, please check with your advisor and the receiving institution to ensure you choose the right courses.

MAT 2420	Calculus II (GT-MA1) Required for most CS programs at most four-year institutions – consult an academic advisor at the intended transfer institution	5
CSC 2065	Discrete Structures Required for CSU, CU Boulder, CU Denver & UNC CSU will also accept MAT 2520 as an alternative to CSC 2065.	4
MAT 2540	Linear Algebra Required for CU Boulder	3
MAT 2430	Calculus III (GT-MA1) Or	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1) Required for Colorado School of Mines	5
	Or, choose from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list. See an advisor for help with choosing electives to ensure you choose the right course.	

*****CSC 2034 is required for CSU. CCA does NOT offer this course. It is available only at certain CCCS institutions. Students planning to transfer to CSU should consult an academic advisor about options for taking this course at Front Range or Arapahoe Community College and transferring the credits back to your home institution. Both CSC 2065 and CSC 2034 are available through Colorado State University Online as CS220 and CS253, respectively. Consult your academic advisor about registration and reverse transfer options.**

Computer Support Technician, A.A.S.

This degree program prepares student as entry-level computer specialists. Graduates will be able to configure and repair personal computers and peripherals, install and use Windows, Linux, and application software packages as well as gain a basic understanding of networking concepts. While working on this degree, students may also obtain their Computer Support Technician and Basic Network Security certificates depending on courses taken from CCA. This degree provides students with the opportunity to learn the skills needed to test for the CompTIA A+, Network+, Project+, Linux+, and Security+ industry certifications.

Degree Requirements: 62 credits

General Education Requirements: 16 credits

English and Communication

(9 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3
BUS 2017	Business Communication and Report Writing	3

Mathematics

(4 credits)

MAT 1340	College Algebra (GT-MA1)	4

Business

(3 credits)

BUS 1015	Introduction to Business	3

Required Courses : 40 credits

CIS 1015	Introduction to Computer Information Systems	3
CIS 1018	Introduction to PC Applications	3
CIS 1028	Introduction to Operating Systems	3
CIS 2003	Technology for Career Success	2
CIS 2063	PC Help Desk Skills	3
CIS 2067	Management of Information Systems	3
CNG 1001	Network Fundamentals	3
CNG 1021	Computer Technician I A+	4
CNG 1022	Computer Technician II A+	4
CNG 1024	Networking I: Network +	3
CNG 1031	Principles of Information Assurance	3
CNG 1042	Introduction to Cloud Computing	3
CNG 2011	Windows Configuration	3

Electives: 6 credits

Select any two courses below

CIS 2002	Automated Project Management: MS Project	3
CIS 2023	Linux	3
CIS 2068	Systems Analysis and Design I	3
CIS 2080	Internship	3
CNG 1032	Network Security Fundamentals	3

Construction Management A.A.S.

Prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Students learn about site safety, personnel supervision, labor relations, diversity training, construction documentation, and scheduling. Includes instruction in resource and cost control, bid strategies, rework prevention, and construction insurance and bonding. Coursework also addresses accident management and investigation, applicable law and regulations, and communication skills.

Degree Requirements: 60 Credits

General Education Requirements: 15 credits

CIS 1018	Introduction to PC Applications	3
COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3
ENG 1021	English Composition I (GT-CO1)	3
	Or	
ENG 1031	Technical Writing I (GT-CO1)	3
MAN 1016	Principles of Supervision	3
MAT 1140	Career Mathematics	3

Degree Requirements: 45 credits

AEC 1200	Print Reading Residential/Commercial	3
AEC 1520	Construction Materials and Systems	3
AEC 2080	Internship	3
	Or	
AEC 2089	Capstone	3
AEC 2530	Soil Mechanics	3
AEC 2550	Building Electrical/Mech Sys	3
AEC 2610	Estimating I	3
AEC 2611	Estimating II: Cost Analysis	3
AEC 2620	Surveying	3
AEC 2630	Construction Scheduling	3
AEC 2640	Contracts & Legal Environment	3
AEC 2650	Construction Project Mgmt	3
AEC 2700	International Building Codes	3
BUS 1015	Introduction to Business	3
BUS 2017	Business Communication and Report Writing	3
OSH 1311	30 HR Construction Industry Standards	3

Criminal Justice, A.A.S.

The AAS/CRJ degree program prepares the student for a career in Law Enforcement, Corrections, Homeland Security, and for some private security career paths. This degree will require the student to have completed CO P.O.S.T. and transfer that work in to complete some of the specific degree core requirements. CCA does not currently offer the CO P.O.S.T. The program places a strong emphasis on reading, writing, and verbal comprehension skills; moral and ethical judgement; and empathetic awareness and demonstration of cultural diversity. Students are advised to consult with the program Director/Chair before enrolling in the degree if they are not sure they meet the law enforcement training academy qualifications.

Degree Requirements: 61 credits

General Education Requirements: 16 credits

English and Communication
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3
COM 1150	Public Speaking	3

Arts and Humanities
(3 credits)

PHI 1012	Ethics (GT-AH3)	3

Social and Behavioral Sciences
(3 credits)

SOC 1001	Introduction to Sociology I (GT-SS3)	3
	Or	
PSY 1001	General Psychology I (GT-SS3)	3

Natural and Physical Sciences
(4 credits)

ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4

Criminal Justice Requirements: 45 credits

Students must complete the following courses:

CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
CRJ 1027	Crime Scene Investigation	3
LEA 1001	Basic Police Academy I	6
LEA 1002	Basic Police Academy II	12
LEA 1005	Basic Law	8
LEA 1006	Arrest Control Techniques	3
LEA 1007	Law Enforcement Driving	3
LEA 1008	Firearms	3
EMS 1015	Emergency Medical Responder	3
PED 1012	Fitness Center Activity III	1

Criminal Justice Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a Criminal Justice BA or BS. Criminal justice, policing and correction systems are explored. Some careers require a bachelor's degree. Studying Criminal Justice gives us a better understanding of the three main parts of the criminal justice system: law enforcement, the judicial system, and corrections. This program focuses closely on criminal behavior, criminal law, and constitutional law. Criminal Justice requires a willingness to be understanding of different cultures. This program introduces students to the study of Criminal Justice and includes courses that are common to all Colorado four-year institutions. Career paths for Criminal Justice degree holders lead to a variety of federal, state, and local criminal justice agencies. These include correctional institutions, juvenile corrections, and treatment facilities, law enforcement agencies, courts, private security, and investigation work. The Associate of Arts (AA) degree in Criminal Justice prepares students to complete the second half of a Bachelor of Arts (BA) in Criminal Justice at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 31-33 credits

English and Communication

(6 credits – GT-CO1, GT-CO2)

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics

(3 - 4 credits – MA1)

Select one gtPathways course. MAT 1260 Preferred, except as noted below. Credits over three will be applied to electives.

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2560	Differential Equations (GT-MA1)	3
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4

Note:

- University of Colorado Colorado Springs prefers MAT 1240: Mathematics for the Liberal Arts
- Colorado Mesa University requires either MAT 1240 or MAT 1340
- University of Northern Colorado requires MAT 1260

Arts and Humanities

(6 credits - GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select two gtPathways courses from two different categories (GT-AH1, GT-AH2, GT-AH3, GT-AH4).

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer intent.

History

(3 credits - GT-HI1)

Select one gtPathways course

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS3)

SOC 1001	Introduction to Sociology I (GT-SS3)	3

And one gtPathways Social and Behavioral Sciences Course (GT-SS3 Only)

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7-8 credits - GT-SC1, GT-SC2)

Select two gtPathways courses, one must be with laboratory (GT-SC1)

Credits over 7 will be applied to electives.

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 27 credits

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
CRJ 1025	Policing Systems	3
CRJ 1045	Correctional Process	3

Choose two (2) courses from the following: (6 credits)

CRJ 1027	Crime Scene Investigation	3
CRJ 1035	Judicial Function	3
CRJ 2005	Principles of Criminal Law	3
CRJ 2009	Criminal Investigation I	3
CRJ 2030	Criminology	3
CRJ 2031	Introduction to Forensic Science and Criminalistics	3
CRJ 2036	CRJ Research Methods	3
CRJ 2057	Victimology	3
CRJ 2068	Criminal Profiling	3

Choose three (3) courses from the following: (9 credits)

ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
COM 2220	Group Communication (GT-SS3)	3
COM 2250	Organizational Communication	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSY 2770	Introduction to Forensic Psychology	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3

If these courses are applied to this second section of the Prescribed Curriculum (Additional Required Courses) for credit, they may not be applied to the first section of the Prescribed Curriculum (General Education Requirements) for credit.

Electives 0-2 Credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Cybersecurity, A.A.S.

Degree provides students with real-world skills in the areas of computer networking, cyber security, and information technology. The degree provides students with knowledge of cyber security threats and techniques on how to mitigate security risks. It also includes strategies and tactics for implementing network security, access control, risk management, governance, and compliance. Students will receive hands-on experience with Windows and Linus operating systems as well as virtualization and cloud computing. Students will obtain the knowledge and skills needed in order to test for the CompTIA Network+, Security+, Cloud+, and Linux+ certifications.

Degree Requirements: 60 credits

General Education Requirements: 16 credits

English and Communication
(9 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3
BUS 2017	Business Communication and Report Writing	3

Mathematics
(4 credits)

MAT 1340	College Algebra (GT-MA1)	4

Business
(3 credits)

BUS 1015	Introduction to Business	3

Required Courses for Cyber Security: 38 credits

CIS 1018	Introduction to PC Applications	3
CIS 1028	Introduction to Operating Systems	3
CIS 2003	Technology for Career Success	2
CIS 2023	Linux	3
CIS 2068	Systems Analysis and Design I	3
CNG 1001	Network Fundamentals	3
CNG 1024	Networking I: Network +	3
CNG 1031	Principles of Information Assurance	3
CNG 1032	Network Security Fundamentals	3
CNG 1042	Introduction to Cloud Computing	3
CNG 2001	Linux Configuration	3
CNG 2056	Vulnerability Assessment I	3
CNG 2057	Network Defense and Counter Measures	3

Electives: 6 credits

CIS 2002	Automated Project Management: MS Project	3
CIS 2067	Management of Information Systems	3
CIS 2080	Internship	3
CSC 1019	Introduction to Programming	3

Diesel Power Mechanics, A.A.S.

The Diesel Power Mechanics program trains entry-level diesel technicians for any industry where the power is supplied by diesel engines. This can include over-the-road Truck & Trailer, Earth Moving/Construction Equipment, Agriculture Farm Equipment, Power Generation Equipment, Automobiles/Light Truck and Heavy Rail Locomotive.

Service Technicians are equipment experts responsible for diagnosing problems, finding solutions, and performing the necessary service or repairs on diesel-powered equipment. They use cutting-edge diagnostic

maintenance systems, advanced technologies, and high-tech tools to service machines and engines in a variety of diesel power industries. The Community College of Aurora gives their students a basic industry-standard education that makes transition much easier into higher learning institutions such as an OEM factory or product-specific training. Students interested should contact the Department chair at 303-340-7207.

The CCA Diesel Power Mechanics AAS Degree has been condensed into a very fast-paced twelve-month program. The associate's degree program is designed for the entry-level students that have not completed the general education requirements and wish to enter and work towards the AAS degree. Proficiency in college-level mathematics, reading and sentence skills is mandatory to enter the degree program.

The program consists of two cohorts and has the capacity of between 40–50 students. CCA partners with the Wagner Equipment Apprenticeship Program as well as the Colorado Equipment Dealer's Association and Titan Machinery.

Students are expected to pass ALL courses required for the degree (general education and core program) with a grade of C or higher. Furthermore, non-sponsored students must maintain a minimum GPA of 2.0 and sponsored students are expected to maintain a GPA of 2.5. If a student earns a grade of D, F, or W, the student may be terminated from the Diesel program.

Degree Requirements: 60 credits

General Education Requirements: 15 credits

ENG 1031	Technical Writing I (GT-CO1)	3
BUS 2017	Business Communication and Report Writing	3
MAT 1140	Career Mathematics	3
COM 1250	Interpersonal Communication (GT-SS3)	3
CIS 1018	Introduction to PC Applications	3
Subtotal: 15		

Degree Requirements: 45 credits

DPM 1000	Introduction to Diesel Mechanics	2
DPM 1001	Diesel Shop Orientation	2
DPM 1003	Diesel Engines I	4
DPM 1005	Heavy Duty Powertrains I	3
DPM 1192	Hydraulic Systems I	1
DPM 1022	Hydraulic Systems II	3
DPM 1040	Heavy Duty Steering & Suspension I	3
DPM 1191	Diesel Fuel Systems	2
DPM 2003	Diesel Engines II	4
DPM 2005	Heavy Duty Powertrains II	3
DPM 2006	Heavy Duty Brakes I	3
DPM 2007	Heavy Duty Brakes II	3
DPM 2010	Diesel Air Induction & Exhaust	2
ASE 1020	Basic Auto Electricity	2
ASE 1023	Starting & Charging Systems	2
ASE 2191	Auto/Diesel Body Electrical	3
ASE 2095	HVAC Systems	3
Subtotal: 45		

Early Childhood Education Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA or BS with licensure in Early Childhood Teacher Education. Child development is explored. Licensure requires a bachelor's degree. The ECE program prepares you for a career in teaching children (birth to age 5). The program can also prepare you to become an Early Childhood Teacher or director in the field of Early Childhood Education. Applicants must demonstrate an interest in the care and well-being of young children, be free from evidence of physical and mental illness, and be free from personal conduct that may be injurious to children as stated in the Colorado Rules and Regulations for Child Care Centers, section 7. 702. 51. This program prepares students to become a productive, caring and responsible teacher. Classes emphasize child development skills in the areas of language, social, emotional, cognitive, and physical development. Classes also focus on cultural diversity among children. Students will become familiar with theories concerning child development and ECE, and will participate in many group discussions and hands-on activities that they can apply in the preschool classroom. Students will learn from qualified faculty members who believe in the success of each ECE student.

Degree Requirements: 60 credits

General Education Requirements 33 credits

English and Communication
(6 credits – GT-CO1, GT-CO2)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

Mathematics
(4 credits)

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4

Arts and Humanities
(6 credits)

Select two courses:

	Choose one of the following:	
ART 1110	Art Appreciation: (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
	AND	
	Choose one of the following:	
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3

History
(3 credits)

Select one course:

HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3

Social and Behavioral Sciences
(6 credits)

GEO 1005	World Regional Geography (GT-SS2)	3
PSY 1001	General Psychology I (GT-SS3)	3

Natural and Physical Sciences
(8 Credits)

SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Early Childhood Education Requirements: 18 credits

ECE 1011	Introduction to Early Childhood Education	3
ECE 1045	Introduction to Early Childhood Education Techniques	3
ECE 1031	Guidance Strategies for Young Children	3
ECE 2621	ECE Curriculum Development: Methods and Techniques	3
ECE 2381	ECE Child Growth and Development	3
ECE 2101	Working with Families and Communities	3

Electives: 9 credits
Electives determined by transfer institution. Please see your advisor for more information. Electives by institution can be found at https://cdhe.colorado.gov/sites/highered/files/documents/ECE%20Electives%20UPDATED%20JULY%202023.pdf. Please contact transfer institution early in the program.

Economics Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA in Economics. Economic trends and effects of political and social change are explored. Careers often require a master's degree. The Associate of Arts Degree in Economics prepares students to transfer as a junior to a four year CO institution. A BS degree in economics prepares students for advanced degrees, teaching careers, or employment. Economic analysis skills are needed in many careers. Students will be prepared to work in banking, finance, insurance, investment, and the corporate world.

Degree Requirements: 60 credits

General Education Requirements: 31 credits

English and Communication
(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics
(3 credits – GT-MA1)

MAT 1260	Introduction to Statistics (GT-MA1)	3

Arts and Humanities
(6 credits-GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select two gtPathways courses

Recommended: PHI 112/1012 Ethics (GT-AH3) OR PHI 205/2005 Business Ethics (GT-AH3)

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3

LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History

(3 Credits- GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7 credits - GT-SC1, GT-SC2)

Select two gtPathways courses, one must be with laboratory (GT-SC1)

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4

ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 11 credits

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
MAT 2410	Calculus I (GT-MA1)	5

Students may need to take additional preparatory math courses for placement into Calculus I (e.g., trigonometry, college algebra, precalculus); these additional courses may apply toward electives.

Students intending to transfer to Adams State University, Metropolitan State University of Denver, or the University of Northern Colorado may take College Algebra or Finite Mathematics instead of Calculus I.

Electives: 18 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Elementary Teacher Education Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA with licensure in Elementary Teacher Education. Elementary Teacher careers require a bachelor's degree. The Associate of Arts degree with an emphasis in Elementary* Education prepares students to transfer as a junior to a four-year institution in Colorado in order to become an elementary teacher. Students interested in majoring in education need to identify the four-year college/university to which they plan to transfer. Each individual institution requires different curriculum electives for graduation. *There are no current statewide articulation agreements in secondary or K-12 education, but students can still effectively pursue these options.

To complete the AA graduation requirements, students who have completed or are currently enrolled in courses that will total the first 41 credits will consult a specific teacher education program and be advised on the final 19 credits guaranteed to transfer.

Degree Requirements: 60 credits

General Education Requirements: 35 credits

English and Communication

(6 credits – GT-CO1, GT-CO2)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

Some educator preparation programs require a B- in ENG 1021 as an admission requirement. However, a C- or better meets the general education GT-CO1 requirement

Mathematics

(6 credits - MA1)

MAT 1220	Integrated Math I (GT-MA1)	3
MAT 1230	Integrated Math II (GT-MA1)	3

Completion of MAT 1220 & MAT 1230 with a C- or higher will satisfy the GT Pathways math requirement at some institutions but not all. At the receiving institution's discretion, students may be asked to complete a GT-MA1 approved course.

MAT 1220 and MAT 1230 became approved GT Pathways courses, effective Summer 2020.

Arts and Humanities

LIT 2055 and one additional course (3 credits) from Arts and Humanities category 2 (AH2) for a total of 6 credits.

LIT 2055	Children's Literature (GT-AH2)	3
	AND	

Category II (GT-AH2)

Select one gtPathways course.

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3

LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

History
(3 credits - HI1)

HIS 1210	US History to Reconstruction (GT-HI1)	3
	Or	
HIS 1220	US History Since Civil War (GT-HI1)	3

Social and Behavioral Sciences
(6 Credits)

GEO 1005	World Regional Geography (GT-SS2)	3
	Or	
GEO 1006	Human Geography (GT-SS2)	3
	AND	
PSC 1011	American Government (GT-SS1)	3

Natural and Physical Science
(8 Credits – GT-SC1)

SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Students must pass with a C- or higher BOTH SCI 1055 & SCI 1056 to satisfy the GT Pathways science requirement.

Additional Required Courses: 16 credits

ART 1110	Art Appreciation: (GT-AH1)	3
	Or	
MUS 1020	Music Appreciation (GT-AH1)	3
	Or	
THE 1005	Theatre Appreciation (GT-AH1)	3
PSY 2441	Child Development (GT-SS3)	3
EDU 2211	Introduction to Education	3
EDU 2341	Multicultural Education	3
EDU 2611	Teaching, Learning, and Technology	3
EDU 2088	Practicum II	3
	Or any other one-credit course	

Electives: 9 credits
Electives: Nine credits determined by the receiving four-year institution. See CDHE website for additional information on required electives. https://cdhe.colorado.gov/sites/highered/files/documents/Revised%20ELEMENTARY%20EDUCATION%20STAA%20IHE%20ELECTIVE%20CREDITS%20JULY%202023.pdf

English Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA in English with Literature emphasis. Students gain literature and writing expertise. Careers often require a BA degree or higher. English Literature explores many different opinions, worldviews, and interesting times and places. Students will read some of the great books and poems and discuss a variety of characters, plots, themes, and styles. Studying successful writers allows students to expand their own writing abilities, recognize key issues, and improve their own writing style and voice. This program introduces students to English Literature and it includes courses that are common to all four-year institutions in Colorado. Career paths for English Literature degree holders include media, public relations, law, marketing, advertising, and teaching. The Associate of Arts (AA) degree in English Literature prepares students to complete the second half of a Bachelor of Arts in English (BA) or English at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 34 credits

English and Communication
(6 credits – GT-CO1, GT-CO2, GT-CO3)

Select two gtPathways courses

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
ENG 2001	Composition III: Writing for Public Discourse (GT-CO3)	3

Mathematics
(3 credits – (GT-MA1)

Select one gtPathways course. **MAT 1240 is recommended**

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4

MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2560	Differential Equations (GT-MA1)	3
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4

Arts and Humanities

(9 credits- GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select three gtPathways courses

(NOTE: GT-AH2 Literature (LIT) courses will NOT be accepted to fulfill this requirement.)

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer intent.

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3

ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7 Credits – GT-SC1)

Select two gtPathways courses, one must be with laboratory (GT-SC1)

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 18 credits

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3
	OR	
COM 2250	Organizational Communication	3
	AND Five GT Pathways Arts & Humanities Literature (LIT) courses within the GT- AH2 category. At least four of the five LIT courses must be at the 2000-level. Please consult with your receiving institution regarding best choices for literature courses.	15

Electives: 8 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Recommended elective: ENG 2021 Creative Writing I (3 credits)

Film Video Media: Acting/Directing for the Screen Emphasis, A.A.S.

The Acting/Directing for the Screen degree program is designed to help actors discover their full potential as professionals, as well as help them develop strength and creativity as individuals. This mission is integrated into the Acting/Directing program for the school. With hundreds of production students who need trained actors each semester, it makes sense that directors and actors can benefit from each other. Using techniques based on Stanislavski's teachings, students will explore many tools for honing and enriching their craft. The approach of the acting faculty at the Colorado Film School encourages students to discover each character within themselves, bringing honesty and specificity to each moment. The program also focuses on techniques that train actors to emerge from each character safely and to work as strong members of any ensemble.

Degree Requirements: 75 credits

General Education Requirements: 15 credits

English
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

Social and Behavioral Sciences
(6 credits)

PSY 1001	General Psychology I (GT-SS3)	3
	Or	
PSY 1002	General Psychology II (GT-SS3)	3
	AND	
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Arts and Humanities
(3 credits)

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Film Video Common Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Acting/Directing for the Screen Emphasis: 45 credits

FVM 1018	Screen Actor Improvisation	3
FVM 1055	Writing the Short Script	3
FVM 2000	Video Production II	3
FVM 2002	Film/Video Business	3
FVM 2004	Art Direction	3
FVM 2007	Directing Workshop	3
FVM 2009	Production Management	3
	Or	
FVM 2036	Creative Producing	3
FVM 2011	Studio Recording for Voice	3
FVM 2012	Contemporary Global Cinema	3
FVM 2017	Acting for the Screen	3
FVM 2018	Screen Actor Movement/Action I	3
FVM 2022	Writing the Web Series	3
	Or	
FVM 2043	Writing for Interactive Games	3
FVM 2028	Screen Actor Movement/Action II	3
FVM 2051	Feature Script Analysis	3

Choose one from the list below:

FVM 1025	Women in Film	3
FVM 1026	Hollywood Shuffle/Black Cinema	3
FVM 1027	LGBTQ Voices in Film	3
FVM 1181	Topics in Film Studies	3
FVM 1183	Italian Neo-Realism and French New Wave Cinema	3
FVM 1184	Landmarks of Cinema	3
FVM 1185	The Documentary Film	3
FVM 1186	The Horror Film	3
FVM 1187	The Science Fiction Film	3
FVM 1188	The Comedy Film	3

Film Video Media: Cinematography/Videography Emphasis, A.A.S.

Cinematography majors develop their filmmaking craft through hands-on instruction and collaboration with Directors and Production Designers. They learn to visualize a movie while provoking emotional response from the audience. This is the essence of why people connect with cinema. In this program, you will master a wide variety of industry standard cameras and production tools currently in use at the highest levels of our industry. Working in parallel with other disciplines allows a Cinematography major to explore a wide range of filmmaking, gaining skills in: dramatic narrative, documentary filmmaking and the latest in state-of-the-art technology and technique.

Degree Requirements: 75 credits

General Education Requirements: 15 credits

English
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

Social and Behavioral Sciences
(6 credits)

PSY 1001	General Psychology I (GT-SS3)	3
	Or	
PSY 1002	General Psychology II (GT-SS3)	3
	AND	
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Arts and Humanities
(3 credits)

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Film Video Common Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Cinematography/Videography Emphasis: 45 credits

FVM 1053	Introduction to Film Production	3
FVM 1185	The Documentary Film	3
FVM 2000	Video Production II	3
FVM 2002	Film/Video Business	3
FVM 2004	Art Direction	3
FVM 2005	Camera Techniques	3
FVM 2006	Film/Video Lighting	3
FVM 2012	Contemporary Global Cinema	3
FVM 2013	Cinematography	3
FVM 2020	16MM/HD Production	3
FVM 2023	Color Grading	3
FVM 2051	Feature Script Analysis	3
FVM 2070	Film/Video Production III	3
FVM 2073	Professional Documentary Production	3
	FVM Cinematography Elective *See Department for approved elective	3

Film Video Media: Post-Production Emphasis, A.A.S.

This program helps prepare students to become great editors that find work. Traditionally, we teach the very latest in Adobe Creative Suite, Avid, and Final Cut Pro. We offer training in Sound Design with Pro Tools. Color Grading with DaVinci Resolve, Visual Effects with Nuke, as well as Animation & Motion Graphics with After Effects & Photoshop. Successful completion of our Post-Production Program following the Fall 2019 Semester will also include certification with the Avid Media Composer, the industry standard for video editing. Most importantly we give our editors the skills to adapt in the fast-paced, ever changing world of media.

Degree Requirements: 75 credits

General Education Requirements: 15 credits

English
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

Social and Behavioral Sciences
(6 credits)

PSY 1001	General Psychology I (GT-SS3)	3
	Or	
PSY 1002	General Psychology II (GT-SS3)	3
	AND	
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Arts and Humanities
(3 credits)

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Film Video Common Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Post-Production Emphasis: 45 credits

FVM 1063	Digital Editing: Premiere	3
FVM 1064	Digital Editing: Final Cut Pro	3
FVM 1065	Digital Editing: Avid	3
FVM 1185	The Documentary Film	3
FVM 2000	Video Production II	3

FVM 2002	Film/Video Business	3
FVM 2008	Sound for Film/Video	3
FVM 2012	Contemporary Global Cinema	3
FVM 2015	Post-Production II	3
FVM 2023	Color Grading	3
FVM 2048	Post-Production Sound	3
FVM 2051	Feature Script Analysis	3
FVM 2064	Digital Effects	3
FVM 2063	Digital Compositing	3
	Or	
FVM 2067	Editing Aesthetics	3
FVM 2071	Post-Production III	3

Film Video Media: Screenwriting Emphasis, A.A.S.

Great films start with character and story, so needless to say, our most talented writers have a strong fan base. Screenwriting majors create short film scripts they can market to producers and directors via the school's established filmmaking architecture. Beyond this, screenwriters develop scripts for television, feature films, web series and interactive games in focused courses that emphasize process, structure, story and character. A Screenwriting major can graduate with a strong portfolio of scripts and teleplays to market to producers and financiers of features and series alike.

Degree Requirements: 75 credits

General Education Requirements: 15 credits

English
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

Social and Behavioral Sciences
(6 credits)

PSY 1001	General Psychology I (GT-SS3)	3
	Or	
PSY 1002	General Psychology II (GT-SS3)	3
	AND	
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Arts and Humanities
(3 credits)

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Film Video Common Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Screenwriting for Film and Video: 45 credits

FVM 1018	Screen Actor Improvisation	3
FVM 1055	Writing the Short Script	3
FVM 2002	Film/Video Business	3
FVM 2012	Contemporary Global Cinema	3
FVM 2016	Producing the Independent Film	3
	Or	
FVM 2042	Writing the TV Spec Script	3
FVM 2017	Acting for the Screen	3
	Or	
FVM 2022	Writing the Web Series	3
FVM 2032	Writing the TV Pilot	3
FVM 2036	Creative Producing	3
FVM 2043	Writing for Interactive Games	3
FVM 2051	Feature Script Analysis	3
FVM 2052	Writing the Independent Film	3
FVM 2062	Writing the Hollywood Feature	3
FVM 2068	Feature Rewrites Workshop	3
FVM 2069	Screenwriter's Workshop	3

Choose one from the list below:

FVM 1025	Women in Film	3
FVM 1026	Hollywood Shuffle/Black Cinema	3
FVM 1027	LGBTQ Voices in Film	3
FVM 1181	Topics in Film Studies	3
FVM 1183	Italian Neo-Realism and French New Wave Cinema	3
FVM 1184	Landmarks of Cinema	3
FVM 1185	The Documentary Film	3
FVM 1186	The Horror Film	3
FVM 1187	The Science Fiction Film	3
FVM 1188	The Comedy Film	3

Film Video Media: Writing/Directing Emphasis, A.A.S.

The Writing / Directing degree program is designed to provide students with the storytelling skills that are essential to media content creation. Writing / Directing majors focus on scriptwriting, preproduction, eliciting

actor performances, production with crews, and post-production. Students should graduate from our rigorous program with a completed teleplay, feature screenplay, and a reel of professional quality videos, ready to work in the creative economy sector in broadcast, feature film, webcast, or any of the evolving media creation formats.

Degree Requirements: 75 credits

General Education Requirements: 15 credits

English
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

Social and Behavioral Sciences
(6 credits)

PSY 1001	General Psychology I (GT-SS3)	3
	Or	
PSY 1002	General Psychology II (GT-SS3)	3
	AND	
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Arts and Humanities
(3 credits)

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Film Video Common Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Writing/Directing Emphasis: 36 credits

FVM 1018	Screen Actor Improvisation	3
	Or	
FVM 2006	Film/Video Lighting	3
	Or	
FVM 2017	Acting for the Screen	3
FVM 1055	Writing the Short Script	3
FVM 2000	Video Production II	3
	Or	
FVM 2020	16MM/HD Production	3
FVM 2002	Film/Video Business	3
FVM 2004	Art Direction	3
FVM 2005	Camera Techniques	3
FVM 2007	Directing Workshop	3
FVM 2009	Production Management	3
FVM 2012	Contemporary Global Cinema	3
FVM 2015	Post-Production II	3
FVM 2022	Writing the Web Series	3
	Or	
FVM 2032	Writing the TV Pilot	3
	Or	
FVM 2042	Writing the TV Spec Script	3
	Or	
FVM 2043	Writing for Interactive Games	3
FVM 2051	Feature Script Analysis	3

Production III OR Feature-Writing Track: 9 credits
Students need to take either the Production III OR Feature-Writing Track.

Production III Track

FVM 2029	Production III Preparation	3
FVM 2070	Film/Video Production III	3
FVM 2071	Post-Production III	3

Feature-Writing Track

FVM 2052	Writing the Independent Film	3
	Or	
FVM 2062	Writing the Hollywood Feature	3
FVM 2068	Feature Rewrites Workshop	3
FVM 2069	Screenwriter's Workshop	3

Film Video Media: Writing/Producing Emphasis, A.A.S.

It all starts with imagination, ideas and the script. Creative producers and screenwriters learn to analyze and write screenplays by understanding character, structure and narrative story elements. They then assemble and collaborate with key creative artists to form a combined vision through a project's development, from pre-production, into production and, finally, post-production. Filmmakers will perfect both the creative and business aspects of filmmaking by enhancing and developing artistic proficiency and judgment, becoming immersed in a solid background of the entertainment industry.

Degree Requirements: 75 credits

General Education Requirements: 15 credits

English
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3

ENG 1022	English Composition II (GT-CO2)	3

Social and Behavioral Sciences
(6 credits)

PSY 1001	General Psychology I (GT-SS3)	3
	Or	
PSY 1002	General Psychology II (GT-SS3)	3
	AND	
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Arts and Humanities
(3 credits)

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Film Video Common Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Writing/Producing Emphasis: 45 credits

FVM 1055	Writing the Short Script	3
FVM 1185	The Documentary Film	3
FVM 2000	Video Production II	3
	Or	
FVM 2020	16MM/HD Production	3
FVM 2002	Film/Video Business	3
FVM 2004	Art Direction	3
FVM 2009	Production Management	3
FVM 2012	Contemporary Global Cinema	3
FVM 2016	Producing the Independent Film	3
FVM 2029	Production III Preparation	3
FVM 2036	Creative Producing	3
FVM 2051	Feature Script Analysis	3
FVM 2070	Film/Video Production III	3
FVM 2073	Professional Documentary Production	3
FVM 2022	Writing the Web Series	3
	Or	
FVM 2032	Writing the TV Pilot	3
	Or	
FVM 2042	Writing the TV Spec Script	3
	Or	
FVM 2043	Writing for Interactive Games	3

Choose one from the list below:

FVM 1025	Women in Film	3
FVM 1026	Hollywood Shuffle/Black Cinema	3
FVM 1027	LGBTQ Voices in Film	3
FVM 1181	Topics in Film Studies	3
FVM 1183	Italian Neo-Realism and French New Wave Cinema	3
FVM 1184	Landmarks of Cinema	3
FVM 1185	The Documentary Film	3
FVM 1186	The Horror Film	3
FVM 1187	The Science Fiction Film	3
FVM 1188	The Comedy Film	3

Fire Science Technology, A.A.S.

This selective entry degree program is designed for students who want to pursue a career in fire service, or are currently employed as career or volunteer firefighters who wish to gain college credit for their training and pursue a degree. Please note you must first apply to CCA and then contact the FST program or an advisor for next steps.

Degree Requirements: 61 credits

Program Admission Requirements

- Physician clearance letter
- CBI Background check with no CCCS Disqualifying Offenses

For more information please contact the department.

General Education Requirements: 18 credits

English and Communication
(6 credits)

ENG 1021	English Composition I (GT-CO1)	3
COM 1250	Interpersonal Communication (GT-SS3)	3

Mathematics
(4 credits)

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4

Natural and Physical Sciences
(4 credits)

Select one gtPathways SC1 course

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5

BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Other
(4 credits)

PED 1010	Fitness Center Activity I	1
CIS 1018	Introduction to PC Applications	3

Degree Requirements: 31 credits

FST 1000	Firefighter I	9
FST 1002	Principles/Emergency Services	3
FST 1009	Occupational Safety and Health for Fire	3
FST 2009	Fire Protection Systems	3
FST 1005	Building Construction for Fire Protection	3
FST 1006	Fire Prevention	3
FST 1007	Hazardous Materials Operations (Level I)	3
FST 1070	Clinical I	1
FST 2053	NIMS	3

Electives: 12 credits
Select any non-required FST or EMS courses.

General Engineering, AES

Program is designed for students transferring to a four-year university to complete their BS degree in engineering. The program is designed for students transferring to Colorado School of Mines, but is also appropriate for students who are undecided about the engineering field or transfer university. It allows them to complete the first 2 years of the degree prior to transferring. Engineering is the application of science and math to solve problems, and engineers figure out how things work and find practical uses for scientific discoveries. Career paths include jobs in the fields of mechanical, civil, electrical, environmental, aerospace, biomedical, chemical, geological, and quantum engineering. This Associate of Engineering Science (AES), General degree program introduces students to calculus, physics, and both traditional and project-based engineering courses. The degree allows students to transfer to a four-year engineering program to complete the remaining portion of a BS degree in Engineering or to directly enter the workforce upon completion. See an advisor to review transfer university requirements and to develop an academic plan that works for you. Not all credits are guaranteed to transfer for Bachelor's degree requirements at all universities or for all engineering fields. It is recommended that you meet with your advisor before selecting a pathway in engineering.

60 Credits

General Education Requirements: 25 Credits

ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1031	Technical Writing I (GT-CO1)	3
MAT 2410	Calculus I (GT-MA1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
PHI 2018	Environmental Ethics (GT-AH3)	3
HIS 2015	20th Century World History (GT-HI1)	3
	Or	
SOC 2007	Environmental Sociology (GT-SS3)	3
	Or	
PSC 2025	Comparative Government (GT-SS1)	3
	Or	
LIT 2002	World Literature after 1600 (GT-AH2)	3
ECO 2001	Principles of Macroeconomics (GT-SS1)	3
	AND	
ECO 2002	Principles of Microeconomics (GT-SS1)	3
	Or	
	Two courses chosen from approved list at https://www.mines.edu/registrar/cccs-hass-courses/	

Required Courses: 24-26 Credits

MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
	Or	

MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5

MAT 2431 is preferred.

MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
	Or	
MAT 2560	Differential Equations (GT-MA1)	3
	Or	
MAT 2562	Differential Equations with Linear Algebra	4

MAT 2561 is preferred.

PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
CSC 1060	Computer Science I: (C++)	4
EGT 1110	Intro Design/Engineering Apps	3
	Or	
EGG 1040	First Year Engineering Projects	3

Electives: 9-11 Credits

BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEY 1111	Physical Geology with Lab (GT-SC1)	4
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
	Select only ONE of the above lab classes. PHY 2112 is recommended.	
EGG 2011	Engineering Mechanics I - Statics	3
EGG 2012	Engineering Mechanics II (Dynamics)	3
CSC 1061	Computer Science II: (C++)	4
PED 1043	Yoga I	1

Generalist, A.G.S.

This degree is designed to meet individual career and personal goals and allows students the flexibility of taking a broad range of courses without the constraints of specialization. It is not designed for transfer to four-year institutions; however, courses may be transferable on a course-by-course basis, depending on the transfer institution.

Degree Requirements: 60 credits

General Education Core Requirements: 15 credits

English and Communication
(3 credits – GT-CO1)

ENG 1021	English Composition I (GT-CO1)	3

Mathematics
(3 credits – GT-MA1)

(Credits over three will be applied to electives)

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4

MAT 1240 or higher level Math.

Natural and Physical Sciences
(3 credits – GT-SC1)

Select one gtPathways course (SC1)

(Credits over three will be applied to electives)

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Social and Behavioral Sciences and History
(3 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select one gtPathways course

Category I (GT-HI1)

HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3

Category I (GT-SS1)

ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Arts and Humanities

(3 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select one gtPathways course

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3

LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many 4-year institutions require foreign language for admission. Check with your college of transfer intent.

General Education Electives: 15 credits

Select from the gtPathway courses and any Communication classes listed above that have not been taken to meet requirements.

Courses must be numbered 1000 or higher.

Courses may only apply once toward degree requirements .

Electives: 30 Credits

See a CCA advisor and transfer guide to assist in selecting appropriate electives/courses for your objective. Electives must be numbered 1000 or above, unless specifically noted below. Courses may only apply once toward degree requirements. Up to 30 credits from a completed Pickens Tech Certificate are eligible.

Graphic and Web Design, A.A.S.

Degree is designed to prepare students to enter the field of graphic design, while focusing on both design and best use of technical tools. Graphic designers create visual representations of complex ideas or messages, typically in an effort to promote a product, company or organization. Designers communicate in print by designing posters, books, catalogs, logos, ads and cards. They also create designs for the digital space including websites, motion graphics and interactive media. Designers work in-house for companies, design firms, and as freelance designers. Students will develop the ability to design efficiently, incorporate text with imagery, use design software, and interface effectively with business clients and marketing teams.

Degree Requirements: 60 credits

General Education Requirements: 16 credits

English and Communication

(9 Credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3
COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Mathematics

(4 Credits)

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
	Or	
MAT 1340	College Algebra (GT-MA1)	4

Arts and Humanities

(3 Credits)

Select one course

ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
	Or	
ART 1112	Art History – Renaissance to Modern: GT-AH1	3

Graphic and Web Design Core Course Requirements: 38 credits

Take all courses

ART 1201	Drawing I	3
ART 1002	Visual Concepts 2-D Design	3
CIS 2003	Technology for Career Success	2
CWB 1010	Complete Web Authoring (HTML)	3
MGD 1002	Introduction to Multimedia	3
MGD 1015	Type & Layout	3
MGD 1011	Adobe Photoshop I	3
MGD 1012	Adobe Illustrator I	3
MGD 1013	Adobe InDesign	3
MGD 1033	Graphic Design I	3
MGD 1041	Web Design I	3
MGD 1043	Motion Graphic Design I (Software)	3
MGD 2027	Marcomm Practices	3

Electives: 6 credits

Select any two courses below

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1003	3-D Design	3
ART 1004	4-D Design: Time-Based Art	3
ART 1401	Digital Photography I	3
CWB 2005	Client-side Scripting	3
MGD 2033	Graphic Design II	3

History Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA in History. Students analyze history from economic and political perspectives. Careers often require a bachelor's degree. History is the study of the past in order to help us understand the present. Studying History is much more than learning about people, dates, and events - students also learn important skills that are valuable in many careers. These include strong research and writing skills, strong communication skills, and the ability to use digital collections, analyze source material, and present evidence very clearly. This program introduces students to History and it includes courses that are common to all four-year institutions in Colorado. Career Information. Career paths for History degree holders include public service, law, business, library management, business, marketing, media, and many more. History degree holders are found in many, many professions around the world. The Associate of Arts (AA) degree in History prepares students to complete the second half of a Bachelor of Arts (BA) in History at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 34 credits

English and Communication

(6 credits – GT-CO1, GT-CO2, GT-CO3)

Select two gtPathways courses

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics

(3 credits – MA1)

Select one gtPathways course

MAT 1240 is recommended

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2560	Differential Equations (GT-MA1)	3
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4

Arts and Humanities

(9 credits, GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select three gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3

PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Students planning to transfer to Colorado State University Ft. Collins are advised to complete at least two semesters of one college level foreign language. Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History

(3 credits - GT-HI1)

Select one gtPathways course

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3

Students planning to transfer to University of Colorado Boulder must take HIS 1310 or HIS 1320 to fulfill this requirement.

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7 Credits – GT-SC1, GT-SC2)

Select two gtPathways courses, one must be with laboratory (GT-SC1)

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4

GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 15 credits

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
	Or	
	HIS 1320 - Not offered at CCA	

Students planning to transfer to University of Colorado Boulder must take either HIS 1310 or HIS 1320 to fulfill this requirement. However, CCA does not offer HIS 1320.

AND One Additional gtPathways History Course:

HIS 2115	American Indian History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3

Please note: if these credits are ***not*** required for the ***major*** at a receiving 4-year institution, they will be applied to the Bachelor's degree as ***elective credit*** towards ***graduation***. Please check with the receiving institution to determine in which way these courses will be applied.

Electives: 11 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Students planning to transfer to CSU Ft. Collins are advised to complete at least two semesters of one college level foreign language.

Integrated Nursing Pathway, A.G.S.

Integrated Nursing Pathway

The Community College of Aurora and the University of Colorado, College of Nursing offer a unique, integrated pathway to earn a Bachelor of Science in nursing. Students will also earn an Associate of General Science degree from the Community College of Aurora within the program.

Students are selected for the program through an application process. For more information please view the department website at https://www.ccaurora.edu/programs-classes/departments/nursing or call 303-360-4700.

Degree Requirements: 62 credits

Prerequisite Requirements for Integrated Nursing Pathway: 32 credits

English

(3 credits)

ENG 1021	English Composition I (GT-CO1)	3

Mathematics

(7 credits)

MAT 1340	College Algebra (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3

Natural and Physical Sciences

(13 credits)

BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
HWE 1050	Human Nutrition	3

Social and Behavioral Sciences

(6 credits)

PSY 1001	General Psychology I (GT-SS3)	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3

Arts and Humanities

(3 credits - AH1, AH2, AH3, AH4)

Select one gtPathways course

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3

THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Required Pathway Courses: 30 credits

These courses will be taken once a student has been accepted into the program.

ANT 2550	Medical Anthropology (GT-SS3)	3
ENG 1022	English Composition II (GT-CO2)	3
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
PSY 2440	Human Growth and Development (GT-SS3)	3
HIS 2015	20th Century World History (GT-HI1)	3
	OR Any other GT Pathway History Course (GT-HI1)	
PHI 1012	Ethics (GT-AH3)	3
NUR 2013	Professional Nursing Pathway I	3

Mathematics Transfer Major, A.S.

Program is designed for students transferring to a 4-year school to complete their BS or BA degree in Mathematics. It allows students to complete the first 2 years of the BS degree at the community college. Students explore calculus and computer/engineering applications. Mathematics is more than the study of counting and measurement it is also the study of shapes and motion. Mathematicians look for patterns and use them to design new theories, new models, and even predictions about nature. This program introduces students to Mathematics and it includes courses that are common to all four-year institutions in Colorado. Career paths in mathematics include finance, engineering, computer science, coding, accounting, statistics, and research. The Associate of Science (AS) degree in Mathematics prepares students to complete the second half of a Bachelor of Science (B.S.) or a Bachelor of Arts (B.A.) in Mathematics at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 33 credits

English and Communication
(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics
(5 credits – MA1)

MAT 2410	Calculus I (GT-MA1)	5

Arts and Humanities
(6 credits-GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select two gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways course

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3

SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7 Credits – GT-SC1, GT-SC2)

Select two gtPathways courses, one must be with laboratory (GT-SC1)

Please note: many receiving 4-year institutions prefer students to take PHY 211/2111 Calculus-based Physics I w/lab (5) to fulfill part of this requirement.
Students should seek advising at their receiving institution for further recommendations.

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 16-17 credits

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
	OR	
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
CSC 1060	Computer Science I: (C++)	4

At CSU-Fort Collins, CSC160/1060 will satisfy programming requirements for the mathematics major, but it can only serve as prerequisite to more advanced CS classes if it was taught using Java. Students planning to take further CS classes should seek advising at CSU-Ft. Collins for information on the
appropriate computer science course to take.

Please note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit
toward graduation. Please check with the receiving institution to determine in which way these courses will be applied.

Electives: 10-11 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Mechanical Engineering, AES

Program is designed for students transferring to the University of Colorado Boulder or Colorado State University to complete their BS degree in mechanical engineering. It allows them to complete the first 2 years of the degree prior to transferring. Engineering is the application of science and math to solve problems, and engineers figure out how things work and find practical uses for scientific discoveries. Careers in mechanical engineering range from the design of powered machines such as generators, engines, turbines and refrigeration and cooling system, to the analysis and maintenance of mechanical systems. This Associate of Engineering Science, Mechanical degree program introduces students to calculus, physics, and both traditional and project-based engineering courses. The degree allows students to transfer to a four-year mechanical engineering program to complete the remaining portion of a BS degree in Mechanical Engineering or to directly enter the workforce upon completion. See an advisor to review transfer university requirements and to develop an academic plan that works for you. Not all credits are guaranteed to transfer for Bachelor's degree requirements at all universities. It is recommended that you meet with an advisor before selecting a pathway in engineering.

64 Credits

General Education Requirements: 34 -37 Credits

English and Communication: 3-6 Credits

	Requirements for University of Colorado (3 Credits)	
ENG 1021	English Composition I (GT-CO1)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	Requirements for Colorado State University (6 Credits)	
ENG 1021	English Composition I (GT-CO1)	3
	Or	
ENG 1031	Technical Writing I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3

Mathematics: 10 Credits

MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5

Arts and Humanities: 3 Credits

Select one gtPathways Arts and Humanities course (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Social and Behavioral Sciences: 3 Credits

Select one gtPathways Social and Behavioral Science course (GT-SS1, GT-SS2, GT-SS3)

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3

ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences: 15 Credits

CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5

Additional Required Courses: 27 Credits

Calculus III: 4 Credits

MAT 2430	Calculus III (GT-MA1)	4
	Or	
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5

MAT 2431 is preferred: however, additional credits over 64 may not transfer.

Engineering: 9 Credits

	Requirements for University of Colorado (3 Credits)	
EGG 2011	Engineering Mechanics I - Statics	3
EGG 2012	Engineering Mechanics II (Dynamics)	3
EGG 2030	Mechanics of Solids	3
	Requirements for Colorado State University (6 Credits)	
EGG 2011	Engineering Mechanics I - Statics	3
EGG 2012	Engineering Mechanics II (Dynamics)	3
EGG 1050	Engineering Data Analysis	1
EGG 1051	Experimental Design (Introduction to Experimental Design and Engineering)	2

Engineering Projects: 3 Credits

	Requirements for University of Colorado (3 Credits)	
EGG 1040	First Year Engineering Projects	3
	Or	
EGT 1110	Intro Design/Engineering Apps	3
	Or	
EGG 1030	Robotics Design	1
	AND	
EGG 1051	Experimental Design (Introduction to Experimental Design and Engineering)	2
	Requirements for Colorado State University (6 Credits)	
EGG 1040	First Year Engineering Projects	3
	Or	
EGT 1110	Intro Design/Engineering Apps	3

Differential Equations and Linear Algebra: 4 Credits

MAT 2562	Differential Equations with Linear Algebra	4
	Or	
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
	AND	
MAT 2540	Linear Algebra	3
	Or	
MAT 2560	Differential Equations (GT-MA1)	3

	AND	
MAT 2540	Linear Algebra	3

MAT 2562 is preferred.

Computer Science: 4 Credits

CSC 1060	Computer Science I: (C++)	4
	Or	
EGG 1060	Introduction to Engineering Computing	4

Students transferring to Colorado State University must take EGG 1060.
EGG 1060 is recommended for students transferring to University of Colorado.

Solidworks or Thermodynamics: 3 Credits

CAD 2455	SolidWorks/Mechanical	3
	Or	
EGG 2020	Thermodynamics	3

Students transferring to Colorado State University must take CAD 2455.

Elective: 3 Credits

CAD 2455	SolidWorks/Mechanical	3
	Or	
EGG 2020	Thermodynamics	3
	Or	
CSC 1061	Computer Science II: (C++)	4
	Or	
PHY 2113	Physics: Calculus Based III Modern Physics	3

There is no elective for Colorado State University due to the extra English class that is required.

Mental Health and Social Work, A.A.S.

The AAS degree in Behavioral Health with an emphasis on Mental Health and Social Work focuses on preparing students for careers in the mental health and social services field. Course work provides foundational behavioral health knowledge as well as the ability to apply a wide array of concepts and skills within diverse behavioral health settings. There is a particular focus on understanding and addressing mental health issues. Graduates are prepared to work in various mental health settings, such as clinics, hospitals, community centers, and social service agencies.

Degree Requirements: 67 Credits

General Education Requirements: 25 credits

ENG 1021	English Composition I (GT-CO1)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
MAT 1260	Introduction to Statistics (GT-MA1)	3
COM 2063	Conflict Resolution	1
SWK 1100	Social Welfare and Community Agencies with Service Learning	3

Behavioral Health Core: 25 credits

HPR 1000	Introduction to Health	3
HPR 1008	Law & Ethics for Health Professionals	2
HPR 1038	Introduction to Medical Terminology	1
PTE 1010	Intro to Behavioral Health Care and Wellness	3
PTE 1017	Theoretical Concepts of Psychiatric Care II	2
PTE 1020	Application of Behavioral Health Care & Wellness	5
BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 2001	Mental Health Crisis & Intervention: Advoc, Interv, & Resil	3
BEH 2030	Applied Therapeutic Communication Skills	3

Mental Health and Social Work Requirements: 17 credits

SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
SWK 1000	Introduction to Social Work	3
BEH 1020	Cultural Comp in Beh Health	1.5
BEH 1030	Behavioral Health Case Management and Clinical Documentation	1
BEH 1040	Child, Adult, and Family Advocacy	1.5
BEH 1050	Peer Support Specialist Training	4
	OR	
BEH 1060	Registered Behavioral Technician Training	4

Metro State CIS Transfer, A.A.S.

Degree is designed to prepare students for solving strategic business problems by designing computer based information systems. Workers in this field assist in planning, coordinating, and facilitating the computer related activities of businesses. They help determine both technical and business goals with top management and make detailed plans for the accomplishment of these goals. This requires a strong understanding of both technology and business practices. This degree program is the result of an articulation agreement with Metro State University, which allows students to complete an associate degree at CCA, and continue on to Metro for a degree in Computer Information Systems.

Please note: Although a D grade in general education coursework may allow graduation at CCA, the course may not transfer. Questions, please see an advisor.

Degree Requirements: 60

General Education Requirements

Mathematics
(8 credits)

MAT 1340	College Algebra (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4

Social and Behavioral Sciences
(6 credits)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3

Arts and Humanities
(3 credits)

Select one course

ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
HUM 1015	World Mythology (GT-AH2)	3

English and Communication
(9 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3
COM 1150	Public Speaking	3

Required Program Courses
(33 credits)

ACC 1011	Introduction to Financial Accounting	3
BUS 1015	Introduction to Business	3
BUS 2016	Legal Environment of Business	3
BUS 2017	Business Communication and Report Writing	3
CIS 1015	Introduction to Computer Information Systems	3
CIS 1018	Introduction to PC Applications	3
CIS 1028	Introduction to Operating Systems	3
CIS 2002	Automated Project Management: MS Project	3
CIS 2067	Management of Information Systems	3
CSC 1019	Introduction to Programming	3
MAR 2016	Principles of Marketing	3

Elective
(1 Credit hour)

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Nursing, A.A.S.

The program prepares students for employment as a registered nurse (RN) by equipping them with the knowledge and essential skills for working in various healthcare settings. Through a combination of theoretical and applied skills instruction in classrooms, simulated labs, and clinical environments, students learn direct patient care skills applicable across diverse institutions. The curriculum covers adult, gerontological, obstetric, pediatric, and psychiatric-mental health nursing, with supervised clinical experiences at various healthcare clinical sites. Graduates will have developed entry-level skills for roles in hospitals and other settings, and with an A.A.S. degree in Nursing, they will National Council Licensure Examination (NCLEX-RN) for licensure as a Registered Nurse.

The Nursing A.A.S. is a selective program. Students must apply to the program. The Application and Process Checklist can be found here.

Degree Requirements: 73.5 credits

General Education: 24 Credits

ENG 1021	English Composition I (GT-CO1)	3
BIO 1010	Biology Foundations: Prep for Anatomy & Physiology and Microbiology	2
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
HPR 1010	Dietary Nutrition	1
	OR	
HWE 1050	Human Nutrition	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 2440	Human Growth and Development (GT-SS3)	3

Please Note:

*Any Arts & Humanities or Social & Behavioral Science may be substituted for PSY 1001.

*BIO 1111 General College Biology may be substituted for BIO 1010.

*Select either HPR 1010 Dietary Nutrition or HWE 1050 Human Nutrition. Nursing Faculty recommend HWE 1050 if pursuing a BSN.

Required Nursing Courses: 49.5 credits

BIO 2116	Human Pathophysiology	4
MAT 1120	Math for Clinical Calculations	3
NUR 1009	Fundamentals of Nursing	6
NUR 1012	Basic Concepts of Pharmacology	2
NUR 1006	Medical Surgical Nursing Concepts	7
NUR 1050	Maternal - Child Nursing	6
NUR 2006	Advanced Concepts of Medical-Surgical Nursing I	6.5
NUR 2011	Psychiatric-Mental Health Nursing	4
NUR 2012	Pharmacology II	2
NUR 2016	Advanced Concepts of Medical-Surgical Nursing II	5
NUR 2030	Transition to Professional Nursing Practice	4

Paralegal, A.A.S.

This program combines an understanding of legal principles, legal analysis and ethical considerations with practical applications. Courses lead to an American Bar Association (ABA) approved Paralegal certificate.

All Paralegal students should consult with an advisor. Students wishing to continue in a baccalaureate degree program after completing their associate's degree should contact an academic advisor at their 4-year institution.

All paralegal students are required to take 10 credit hours of legal specialty courses through traditional classroom instruction. Each student must take 15 hours of paralegal instruction at CCA in order to receive a degree or certificate from this institution.

In order to meet ABA requirements, only certain online Paralegal courses are applicable to this degree. If the class is offered at CCA under the PAR prefix, it will apply to the degree. If you are transferring in paralegal credits, you are responsible for proving the method of delivery.

*A paralegal is a person, qualified by education, training or work experience, who is employed or retained by a lawyer, law office, corporation, governmental agency or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. Any act performed by a paralegal that requires a legal license to perform, unless otherwise authorized by applicable court rules, constitutes unauthorized practice of law.

Degree Requirements: 60 credits

General Education Requirements: 30 credits

English and Communication
(9 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3
COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Mathematics or Science
(3 credits - MA1 or SC1)

Select one gtPathways course from GT-MA1 or GT-SC1

Category I (GT-MA1)

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
MAT 2560	Differential Equations (GT-MA1)	3

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Social and Behavioral Sciences
(9 credits-GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select three gtPathways courses from at least two different categories

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3

HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Arts and Humanities

(9 credits -AH1, AH2, AH3, AH4)

Select three gtPathways courses from at least two different categories

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Paralegal Required Courses: 21 credits

PAR 1115	Introduction to Law	3
PAR 1118	Contracts	3
PAR 2201	Civil Litigation	3
PAR 2213	Legal Research and Writing I	3
PAR 2214	Legal Research and Writing II	3
PAR 1116	Torts	3
	Or	
PAR 2205	Criminal Law	3
PAR 2080	Internship	3
	Or	
PAR 2085	Independent Study	3

PAR 1116, PAR 2205: Students may take either Torts or Criminal Law to meet the emphasis requirements or they may take both courses, one as an elective.

Electives: 9 credits

Select three courses:

PAR 1116	Torts	3
PAR 1117	Family Law	3
PAR 1125	Property Law	3
PAR 2205	Criminal Law	3
PAR 2206	Business Organizations	3
PAR 2207	Current Issues in Law	3
PAR 2208	Probate and Estates	3
PAR 2216	Employment Law	3
PAR 2218	Bankruptcy Law	3
	Or	
	Any other PAR courses approved by the department	

PAR 1116, PAR 2205: Students may take either Torts or Criminal Law to meet the emphasis requirements or they may take both courses, one as an elective

Paramedic, A.A.S.

Emergency Medical Services (EMS)

The Emergency Medical Technician-Paramedic is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Commission on Accreditation of Allied Health Education Programs

1361 Park Street

Clearwater, FL 33756

727-210-2350

www.caahep.org

To contact CoAEMSP:

8301 Lakeview Parkway, Suite 111-312

Rowlett TX 75088

(214) 703-8445

FAX (214) 703-8992

www.coaemsp.org

Degree Requirements: 62 credits

Program Admission Requirements

•National Criminal Background Check with no CCCS Disqualifying Offenses
•10 panel drug screen (negative all fields)
•Required vaccinations
•Physician clearance letter
•Valid Colorado EMT card
•Proof of Colorado IV/IO endorsement
•Current healthcare provider CPR card

For more information please contact the department.

General Education Requirements: 17 credits

English
(3 credits)

ENG 1021	English Composition I (GT-CO1)	3

Mathematics
(3 credits)

MAT 1140	Career Mathematics	3

Science
(11 credits)

BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
HPR 1040	Comprehensive Medical Terminology	3

Requirement Paramedicine: 45 credits

EMS 2025	Fundamentals of Paramedic Practice	3
EMS 2026	Fundamentals of Paramedic Practice - Lab	2
EMS 2027	Paramedic Special Considerations	3
EMS 2028	Paramedic Special Considerations - Lab	2
EMS 2029	Paramedic Pharmacology	3
EMS 2030	Paramedic Pharmacology - Lab	2
EMS 2031	Paramedic Cardiology	5
EMS 2032	Paramedic Cardiology - Lab	1
EMS 2033	Paramedic Medical Emergencies	4
EMS 2034	Paramedic Medical Emergencies - Lab	1
EMS 2035	Paramedic Trauma Emergencies	4
EMS 2036	Paramedic Trauma Emergencies - Lab	1
EMS 2037	Paramedic Internship Preparatory	2
EMS 2080	Paramedic Internship I	6
EMS 2081	Paramedic Internship II	6

Physics Transfer Major, A.S.

Program is designed for students transferring to a 4-year school to complete their BS or BA degree in physics. It allows them to complete the first 2 years of the degree prior to transferring. Students explore advanced applied physics and calculus. The laws of physics govern everything in the universe from the tiniest bit of matter to the largest star. Physics is a prerequisite to any in-depth study of the sciences and technologies and it leads to careers in variety of industries. The physics degree program provides the necessary background for transfer to a four-year school.

Degree Requirements: 60 credits

General Education Requirements: 36 credits

English and Communication
(6 credits – GT-CO1, GT-CO2)

Select two gtPathways courses

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics
(5 credits – MA1)

MAT 2410	Calculus I (GT-MA1)	5

Arts and Humanities
(9 Credits- GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select three gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3

Social and Behavioral Sciences

(3 credits – GT-SS1, GT-SS2, GT-SS3)

Select 1 gtPathways course:

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(10 credits)

Category I (GT-SC1)

PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5

Additional Required Courses: 24 credits

PHY 2113	Physics: Calculus Based III Modern Physics	3
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
	Or	

MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2560	Differential Equations (GT-MA1)	3
	OR	
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
	OR	
MAT 2562	Differential Equations with Linear Algebra	4
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CSC 1060	Computer Science I: (C++)	4
	OR	
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5

MAT 2431, MAT 2561, MAT 2562: PLEASE BE ADVISED: If you choose to take one of these courses, it will put you over 60 credits. The courses will transfer but the extra credits may not. That is, the receiving institution may still require the completion of 60 credits for the major.

CSC 1060: Students planning to transfer to the University of Colorado Boulder or University of Northern Colorado must take CSC 1060 (not CHE 1112) to fulfill this requirement.

CSC 1060, CHE 1112: Students planning to transfer to Fort Lewis College or University of Colorado Colorado Springs must take both.

CSC 1060, CHE 1112: Students planning to transfer to a receiving institution not listed here may choose either one of these courses.

Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

Political Science Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA in Political Science. Students explore governmental structure and processes. Careers often require a BA degree or higher. Political Science is the study of the political process, and its students understand the difference between an opinion and an argument. Political science graduates have a passion for political life not only locally, but also globally. Students will discover the origin, development, and operation of political systems and public policy. This program introduces students to Political Science and it includes courses that are common to all four-year institutions in Colorado. Career paths for Political Science degree holders include much more than running for political office. They also include public service, law, international relations, business, political campaigns, and working for charitable organizations. The Associate of Arts (AA) degree in Political Science prepares students to complete the second half of a Bachelor of Arts (BA) in Political Science at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 32 credits

English and Communication
(6 credits – GT-CO1, GT-CO2)

Select two gtPathways courses

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics
(3 credits – GT-MA1)

Select one gtPathways course

MAT 1260 is recommended.

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2560	Differential Equations (GT-MA1)	3
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4

Arts and Humanities
(6 credits- GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select two gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3

MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer intent.

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1)

Take both courses:

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3

Natural and Physical Sciences

(8 Credits – GT-SC1 only)

Select two gtPathways courses

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5

PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Additional Required Courses: 12 credits

*Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied.

PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Please Note: Additional Political Science (POS) courses beyond the four courses (12 credit hours) identified above may not count toward the Political Science major at the receiving four-year institution.

Electives: 16 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Programming, A.A.S.

Degree provides students with the skills necessary to become an entry-level programmer. Students will design, develop, build, troubleshoot, debug, maintain, and test computer software programs in a variety of programming languages. Programming will range from simple business programs to complex web applications.

Degree Requirements: 61 credits

General Education Requirements: 16 credits

English and Communication
(9 credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3
BUS 2017	Business Communication and Report Writing	3

Mathematics
(4 credits)

MAT 1340	College Algebra (GT-MA1)	4

Business
(3 credits)

BUS 1015	Introduction to Business	3

Required Courses for Programming: 45 Credits

CIS 1018	Introduction to PC Applications	3
CIS 1028	Introduction to Operating Systems	3
CIS 2002	Automated Project Management: MS Project	3
CIS 2003	Technology for Career Success	2
CNG 1001	Network Fundamentals	3
CSC 1019	Introduction to Programming	3
CIS 2043	Introduction to SQL	3
CIS 2068	Systems Analysis and Design I	3
CSC 1060	Computer Science I: (C++)	4
CSC 1061	Computer Science II: (C++)	4
CSC 2036	Introduction to C# Programming	4
CSC 2037	Advanced C# Programming	4
CWB 1010	Complete Web Authoring (HTML)	3
CWB 2005	Client-side Scripting	3

Psychology Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA in Psychology. Human behavior, how the mind works and mental illness are explored. Careers often require a BA degree or higher. Psychology is the study of the mind and of behavior. It studies both individuals and groups of people, and it often involves case studies. Psychologists try to understand how mental functions affect individual and social behavior. They also explore emotion, motivation, personality, and relationships. This program introduces students to Psychology and it includes courses that are common to all four-year institutions in Colorado. The Associate of Arts (AA) degree in Psychology prepares students to complete the second half of a Bachelor of Science (BA) in Psychology at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 31-32 credits

English and Communication
(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics
(3 credits – MA1)

Select one gtPathways course. MAT 1260 Preferred. Credits over three will be applied to electives.

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2560	Differential Equations (GT-MA1)	3
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4

Note:

- Colorado Mesa University requires either MAT 1240 or MAT 1340

Arts and Humanities

(6 credits- GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select two gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

May not be PSY courses.

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7-8 Credits – GT-SC1)

Select one gtPathways GT-SC1 course (BIO) with lab, and select one additional GT-SC1 or GT-SC2 course.

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 18 credits

PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
	AND	
PSY	Three additional gtPathways Psychology courses	9
COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

The University of Colorado Denver prefers COM 1150 Public Speaking to fulfill this requirement.

*Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective

credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied.

Electives: 10-11 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

****Any additional Psychology courses beyond the 15 credits indicated may not apply toward degree requirements.**

Public Health Transfer Major, A.A,

Program is designed for transfer to a four-year university. Public health promotes and protects the health of people and the communities where they live, learn, work and play. Public health offers career paths in government, non-profit organizations, healthcare, education, at local community clinics, or can even provide job opportunities outside of the United States. Students may explore career opportunities in the private or public sectors. Public health students develop necessary skills in communication, critical thinking, adaptability and scientific analysis. Students also learn to value difference and diversity, and develop system-thinking skills. Public health students gain an interdisciplinary foundation in biology, psychology, and communication that equips them with the fundamental skills needed to further their health education. Interested students in this degree pathway should have a passion for promoting health and education, preventing disease, and helping establish healthy communities, with a strong desire to serve diverse and vulnerable populations. Career paths in the public health workforce are diverse and include epidemiology, environmental health, health education, research, public health policy and administration, and community health. The current and projected growth of public health careers is strong. To learn more about careers in public health, visit the APHA.org website.

Degree Requirements: 60 Credits

General Education Requirements: 32-34 credits

English and Communication

(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics

(3 credits - MA1)

MAT 1260	Introduction to Statistics (GT-MA1)	3

Arts and Humanities

(6 credits- GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select two gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3

PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission.

Check with your college of transfer intent.

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits)

PSY 1001	General Psychology I (GT-SS3)	3
	And one of the following:	
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3

Natural and Physical Sciences

(8-10 credits)

BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
	AND	
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
	Or	
BIO 1005	Science of Biology with Lab (GT-SC1)	4
	AND	
ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4

Additional Required Courses: 12 credits

*Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied.

	Choose one of the following:	
COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3
	Or	
COM 2300	Intercultural Communication (GT-SS3)	3
	AND	
	Choose one of the following:	
PHI 1012	Ethics (GT-AH3)	3
	Or	
PHI 1013	Logic (GT-AH3)	3
	AND	
	Choose one of the following:	
ANT 2550	Medical Anthropology (GT-SS3)	3
BIO 1016	Introduction to Human Disease (GT-SC2)	3
	AND	
	Choose one from GT-MA1, GT-SC1, or GT-SC2. Recommended courses:	
BIO 2104	Microbiology with Lab (GT-SC1)	4
	Or	
BIO 2116	Human Pathophysiology	4

BIO 1016 can be used to replace Health and Disease at Fort Lewis College.

ANT 2550 can be used here if not taken to fulfill the Social & Behavioral Science Requirement.

Electives 14-16 Credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Respiratory Therapy, A.A.S.

Teaches the duties, responsibilities and skills associated with the practice of respiratory therapy. Students will learn principles of cardiopulmonary anatomy, physiology, pathophysiology, and care. General education requirements will be taken at CCA and content specific to respiratory therapy will be offered at Pickens Technical College. Students must apply to Pickens Technical College to enter the program after general education requirements are met.

All courses with the prefix RCA must be taken at Pickens Technical College and transferred back to CCA.

Degree Requirements: 78 credits

General Education Requirements: 26 credits

English and Communication
(3 credits)

ENG 1021	English Composition I (GT-CO1)	3

Mathematics
(3-4 credits)

MAT 1140	Career Mathematics	3
	Or	
MAT 1340	College Algebra (GT-MA1)	4

Social and Behavioral Sciences
(3 credits)

PSY 1001	General Psychology I (GT-SS3)	3

Natural and Physical Sciences
(17 credits)

CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4

RCA Major Requirements: 52 credits
***PLEASE NOTE: Students must take the RCA classes through Pickens Technical College and have those credits transferred back to CCA.**

RCA105 Introduction to Respiratory Care 1
RCA121 Fundamentals of Clinical Care 3
RCA132 Basic Techniques-Respiratory Care II 5
RCA151 Cardiopulmonary Anatomy/Physiology 3
RCA152 Cardiopulmonary Pathology 4
RCA165 Pharmacology-Cardiopulmonary Care 3
RCA230 Critical Care I 2
RCA232 Advanced Monitoring 2
RCA251 Critical Care II 3
RCA252 Cardiopulmonary Diagnostic II 1
RCA253 Perinatal/Pediatric Respiratory Care 3
RCA259 Advanced Mechanical Ventilation 3
RCA281 Internship II 9
RCA283 Internship III 9
RCA289 Capstone Respiratory Care 1

Residency Requirements
CCA's residency requirement requires that 25 percent of all coursework applicable toward a degree must be credit hours taken at CCA and be 100 level or above. This policy can be found in the Degree and Certificate Policies, item 6. If a student transfers in credits from other institutions that apply towards the general education requirements for the Respiratory Therapy degree which results in the student not being able to meet the CCA residency graduation requirement, a student should choose from the list below to meet the CCA residency graduation requirement. These courses are **NOT** eligible to be transferred in to CCA as a part of the Respiratory Therapy Program. Please note, these courses **do not replace or substitute** any of the general education courses listed above. **The classes listed below are to meet residency requirements only. Please speak with your advisor if you already meet the general education requirements for the degree.**

Course Choice

BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1016	Introduction to Human Disease (GT-SC2)	3
BIO 2116	Human Pathophysiology	4
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
CHE 2111	Organic Chemistry I with Lab	5
CHE 2112	Organic Chemistry II with Lab	5
CIS 1015	Introduction to Computer Information Systems	3
CIS 1018	Introduction to PC Applications	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
ENG 1022	English Composition II (GT-CO2)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
HPR 1002	Health Career Opt & Readiness	1
HPR 1008	Law & Ethics for Health Professionals	2
HPR 1040	Comprehensive Medical Terminology	3
HWE 1050	Human Nutrition	3
HWE 2060	Exercise, Nutrition and Body Composition	3
HWE 2062	Physiology of Exercise	3
MAR 2016	Principles of Marketing	3
MAT 1260	Introduction to Statistics (GT-MA1)	3
PSY 2440	Human Growth and Development (GT-SS3)	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SPA 1011	Spanish Language I: GT-AH4	5

Sociology Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA in Sociology. Social factors and human behaviors in society are explored. Careers often require a BA degree or higher. Sociology is the study of human social behavior, including its organization and the way it has developed over time. Sociology is a social science that explores human social groups, social problems, and change. This program introduces students to Sociology and it includes courses that are common to all four-year institutions in Colorado. Career paths for Sociology degree holders include management, human resources, training and development, research, social services, mental health services, adoption, child care, youth services, disability services,

child welfare, victims' rights, labor rights, community organization, and public relations. The Associate of Arts (AA) degree in Sociology prepares students to complete the second half of a Bachelor of Arts (BA) in Sociology at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 31credits

English and Communication

(6 credits – GT-CO1, GT-CO2)

Take two gtPathways courses

	One gtPathways approved CO1 course	3
	AND	
	One gtPathways approved CO2 course	3
	Or	
	One gtPathways approved CO2 course	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics

(3 credits – MA1)

Select one gtPathways course. MAT 1260 Preferred. Credits over 3 will be applied to electives.

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
MAT 2560	Differential Equations (GT-MA1)	3

Note:

- Colorado Mesa University prefers either MAT 1240 or MAT 1340
- University of Northern Colorado prefers MAT 1240 OR MAT 1260

Arts and Humanities

(6 credits- GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select two gtPathways courses

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3

SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer intent.

History

(3 credits – GT-HI1)

Select one gtPathways course

Category I (GT-HI1)

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Note: MUST not take additional SOC courses to fulfill this requirement.

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7 Credits – GT-SC1, GT-SC2)

Select two gtPathways courses

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5

PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 18 credits

COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC	Three gtPathways SOC courses in Social and Behavioral Sciences (GT-SS3)	9

*Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied.

Electives: 11 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

****Additional SOC courses beyond the five courses (15 credit hours) identified above may not count toward the Sociology major at the receiving four-year institution.**

Spanish Transfer Major, A.A.

Program is designed for students wanting to complete the first 2 years of a bachelor's degree at the community college and transfer to a university to complete a BA in Spanish or Modern Languages. Students explore Spanish language and culture. Careers typically require a bachelor's degree. Spanish is not just about words and grammar; it is also about new sounds, expressions, and ways of seeing things. It is learning about other cultures. Depending on how long you study and how much you practice, you can reach different levels of Spanish fluency. With an AA degree in Spanish, you should be able to reach an Intermediate-Low to Intermediate-Mid ability according to the American Council on the Teaching of Foreign Languages. This program introduces students to the study of Spanish and it includes courses that are common to all four-year institutions in Colorado. Career paths for foreign language degree holders include the medical, dental, legal, educational, and public service professions. The Associate of Arts (AA) degree in Spanish prepares students to complete the second half of a Bachelor of Arts (BA) in Spanish at a four-year university.

Degree Requirements: 60 credits

General Education Requirements: 34 credits

English and Communication

(6 credits – GT-CO1, GT-CO2, GT-CO3)

ENG 1021	English Composition I (GT-CO1)	3
	AND	
ENG 1022	English Composition II (GT-CO2)	3
	Or	
ENG 1022	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

Mathematics

(3 credits – GT-MA1)

Select one gtPathways course

MAT 1240 is recommended

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
MAT 2560	Differential Equations (GT-MA1)	3

Arts and Humanities

(9 credits-GT-AH1, GT-AH2, GT-AH3, GT-AH4)

SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

SPA 2011, SPA 2012: Those students who have a higher proficiency level than is required for SPA 2011 or SPA 2012 should substitute other Arts & Humanities courses. Heritage speakers may want to substitute SPA 2061 and SPA 2062, if available. See your advisor for more information.

And select one gtPathways course from the following

Category I (GT-AH1)

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3
ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3

MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Category II (GT-AH2)

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Category III (GT-AH3)

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Category IV (GT-AH4)

ASL 2221	American Sign Language IV: (GT-AH4)	3

History

(3 credits – GT-HI1)

Category I (GT-HI1)

HIS 2200	History of Latin America (GT-HI1)	3
	Or	
	Another gtPathways non-U.S. History course	3

History of Latin America OR another gtPathways History: GT-HI1, focusing on the Spanish-speaking world (non-U.S.) or another gtPathways non-U.S. History course.

Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses

Category I (GT-SS1)

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Category II (GT-SS2)

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Category III (GT-SS3)

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3
ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3

SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences

(7 Credits - GT-SC1 and GT-SC2)

Select two gtPathways courses, one must be with laboratory (GT-SC1)

Category I (GT-SC1)

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Category II (GT-SC2)

BIO 1016	Introduction to Human Disease (GT-SC2)	3

Additional Required Courses: 13 credits

*Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied

SPA 1011	Spanish Language I: GT-AH4	5
SPA 1012	Spanish Language II: GT-AH4	5
COM 1150	Public Speaking	3
	Or	
COM 1250	Interpersonal Communication (GT-SS3)	3

Please Note: SPA 1011 and/or SPA 1012 may be waived, based on a student's proficiency level. Students should consult a departmental advisor at the four-year college or university.

Electives: 13 credits

Electives may be chosen from any gtPathways course or any non-gtPathways courses listed in the AA/AS degree core electives list.

Suggested courses: 200-level Spanish courses; courses outside the Spanish department with content related to the Spanish-speaking world.

Translation and Interpretation, A.A.S.

Degree is intended to prepare functionally bilingual students for employment as interpreters and/or translators. Upon completion, students will be able to provide basic interpreting and translation services between English and their other language(s). This degree focuses on further developing general skills necessary for translators and interpreters.

Prerequisites:

1. Provide evidence of proficiency in English with one of the following:
   a. Completion of ENG 1021 or higher with a C or higher.
   b. Other evidence demonstrating English proficiency may be approved by the program Chair.
2. Provide evidence of proficiency in a second language with one of the following:
   a. Evidence of completion of high school in a country where the language is spoken.
   b. Completion of a college minor in the second language with a minimum grade of "C" for all courses taken in the second language.
   c. Other evidence demonstrating proficiency in a second language may be approved by the program Chair.
3. Prospective students can contact the Department Chair, 303-360-4828 for additional information.

Degree Requirements: 61 credits

General Education Requirements: 16 credits

English and Communication

(12 Credits)

ENG 1021	English Composition I (GT-CO1)	3
ENG 1022	English Composition II (GT-CO2)	3

COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3

Mathematics
(4 Credits)

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4

Translation and Interpretation Course Requirements: 23 credits

Take all courses

TRI 1001	Introduction to Translation and Interpretation	3
TRI 1003	Code of Ethics	2
TRI 1004	Business of Translation and Interpretation	3
TRI 2001	Consecutive Interpretation I	3
TRI 2002	Simultaneous Interpretation I	3
TRI 2003	Sight Translation	3
TRI 2004	Consecutive Interpretation II	3
TRI 2005	Simultaneous Interpretation II	3

Other Course Requirements: 22 Credits

Take all courses

BIO 1006	Basic Anatomy and Physiology	4
BIO 1016	Introduction to Human Disease (GT-SC2)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
CRJ 1035	Judicial Function	3
CRJ 2005	Principles of Criminal Law	3
HPR 1040	Comprehensive Medical Terminology	3
PAR 1117	Family Law	3

Bachelor's Degrees

Behavioral Health: Emphasis in Addiction Recovery, B.A.S.

The BAS degree in Behavioral Health with a focus on Addiction Recovery prepares students for diverse mid-level careers in the field. There is a focus on advanced substance use treatment concepts and application of skills through internship experience. Students will be able to pursue work as certified addiction specialists, case managers, program managers, program directors, and more. Graduates can seek positions in residential treatment centers, hospitals, and Community Behavioral Health Clinics. After finishing the program, students are ready to complete the remaining requirements to become Certified Addiction Specialists through the CO Department of Regulatory Agencies (DORA).

120 Credit hours

General Education Requirements: 42 Credits

Mathematics: 3 Credits

MAT 1260	Introduction to Statistics (GT-MA1)	3

Arts and Humanities: 1 Credit

COM 2063	Conflict Resolution	1

Written Communication: 3 Credits

ENG 1021	English Composition I (GT-CO1)	3

Sciences: 4 Credits

BIO 1005	Science of Biology with Lab (GT-SC1)	4
	OR	
BIO 1006	Basic Anatomy and Physiology	4

Social and Behavioral Sciences: 31 Credits

CRJ 1045	Correctional Process	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 2000	Research Methodology	4
PSY 2107	Human Sexuality (GT-SS3)	3
	OR	
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SWK 1100	Social Welfare and Community Agencies with Service Learning	3

Required Courses: 71 Credits

HPR 1000	Introduction to Health	3
HPR 1008	Law & Ethics for Health Professionals	2
HPR 1038	Introduction to Medical Terminology	1
PTE 1010	Intro to Behavioral Health Care and Wellness	3
PTE 1017	Theoretical Concepts of Psychiatric Care II	2
PTE 1020	Application of Behavioral Health Care & Wellness	5
BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 2001	Mental Health Crisis & Intervention: Advoc, Interv, & Resil	3
BEH 2030	Applied Therapeutic Communication Skills	3
BEH 3001	Treatment of Mental Health Disorders within Existing Systems	3
BEH 3088	Behavioral Health Practicum	3
BEH 4020	Understanding Trauma and PTSD	3
BEH 4030	Whole Person Care	3
BEH 4040	Leadership and Management in Behavioral Healthcare	3
BEH 4081	Addiction Recovery Internship	5
CSL 2046	Ethical Practice in Addiction Treatment	1
CSL 2051	Pharmacology I for Addiction Counselors	1
CSL 2068	Addictions Counseling Skills	1.5
CSL 2061	Case Conceptualization and Documentation	1

CSL 2065	Culturally Informed Treatment	1
CSL 2050	Motivational Interviewing I	1.5
CSL 2054	Trauma Informed Care	1
CSL 2069	Principles of Addiction	1.5
CSL 2055	Infectious Diseases for Addiction Counselors	1
CSL 2052	Advanced Pharmacology	1
CSL 2053	Cognitive Behavior Therapy	1
CSL 2058	Group Counseling Skills	1.5
CSL 2059	Advanced Professional and Ethical Practice	1
CSL 2048	Advanced Case Conceptualization and Documentation	1
CSL 2056	Co-occurring Disorders	1
CSL 3028	Treating Diverse Populations	2
CSL 3030	Advanced Models in Addiction Treatment	1
CSL 3050	Advanced Motivational Interviewing	2
CSL 4020	Clinical Supervision I	2
CSL 4021	Clinical Supervision II	2

Electives: 7 Credits

Select 7 credits from the courses below.

COM 2060	Listening in a Workplace Communication Setting	1
COM 2064	Negotiation	1
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
PSC 1011	American Government (GT-SS1)	3
PSY 2111	Psychological Aspects of Abuse in Relationships	2
PSY 2220	Dynamics of Racism and Prejudice	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2770	Introduction to Forensic Psychology	3
SPA 1015	Spanish for the Professional I	3
SPA 2015	Spanish for the Professional II	3

PSC 1011 is required for Metropolitan State University (MSU) MSW.

Behavioral Health: Emphasis in Mental Health and Wellness, B.A.S.

The BAS degree in Behavioral Health with a focus on Mental Health and Wellness prepares students for mid-level careers in the mental health and social services field. Course work provides advanced behavioral health knowledge as well as the ability to apply a wide array of concepts and skills within diverse behavioral health settings. There is a particular focus on understanding and addressing mental health issues, along with application of skills through internship experience. They will be able to pursue work as case managers, program managers, program directors, and more. Graduates can seek positions in residential treatment centers, hospitals, social service agencies, and Community Behavioral Health Clinics.

120 Credit hours

General Education Requirements: 60 Credits

Mathematics: 3 Credits

MAT 1260	Introduction to Statistics (GT-MA1)	3

Arts and Humanities: 1 Credit

COM 2063	Conflict Resolution	1

Written Communication: 3 Credits

ENG 1021	English Composition I (GT-CO1)	3

Sciences: 4 Credits

BIO 1005	Science of Biology with Lab (GT-SC1)	4
	OR	
BIO 1006	Basic Anatomy and Physiology	4

Social and Behavioral Sciences: 49 Credits

PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2000	Research Methodology	4
PSY 2107	Human Sexuality (GT-SS3)	3
	OR	
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2112	Introduction to Addictive Behavior	2
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2551	Child Abuse and Neglect	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
SWK 1000	Introduction to Social Work	3
SWK 1100	Social Welfare and Community Agencies with Service Learning	3

Required Courses: 60 Credits

HPR 1000	Introduction to Health	3
HPR 1008	Law & Ethics for Health Professionals	2
HPR 1038	Introduction to Medical Terminology	1
PTE 1010	Intro to Behavioral Health Care and Wellness	3
PTE 1017	Theoretical Concepts of Psychiatric Care II	2
PTE 1020	Application of Behavioral Health Care & Wellness	5
BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 1020	Cultural Comp in Beh Health	1.5
BEH 1030	Behavioral Health Case Management and Clinical Documentation	1
BEH 1040	Child, Adult, and Family Advocacy	1.5

BEH 1050	Peer Support Specialist Training	4
	OR	
BEH 1060	Registered Behavioral Technician Training	4
BEH 2001	Mental Health Crisis & Intervention: Advoc, Interv, & Resil	3
BEH 2030	Applied Therapeutic Communication Skills	3
BEH 3001	Treatment of Mental Health Disorders within Existing Systems	3
BEH 3030	Behavioral Health Program and Case Management	2
BEH 3088	Behavioral Health Practicum	3
BEH 4020	Understanding Trauma and PTSD	3
BEH 4030	Whole Person Care	3
BEH 4040	Leadership and Management in Behavioral Healthcare	3
BEH 4080	Mental Health Internship	5
CSL 2050	Motivational Interviewing I	1.5
CSL 2068	Addictions Counseling Skills	1.5
CSL 3050	Advanced Motivational Interviewing	2

Electives: 7 Credits

Select 7 credits from the courses below.

COM 2064	Negotiation	1
COM 2060	Listening in a Workplace Communication Setting	1
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
PSC 1011	American Government (GT-SS1)	3
PSY 2111	Psychological Aspects of Abuse in Relationships	2
PSY 2220	Dynamics of Racism and Prejudice	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2770	Introduction to Forensic Psychology	3
SPA 1015	Spanish for the Professional I	3
SPA 2015	Spanish for the Professional II	3

PSC 1011 is required for Metropolitan State University (MSU) MSW.

Certificates

Addiction Recovery Assistant Certificate

The Addiction Recovery Assistant micro-credential ensures students have the knowledge of addiction treatment and recovery support positions through a strength-based model. The program includes the required course credits for certification as an addiction technician. There are also courses focused on socio-emotional skills and knowledge.

Addiction Recovery Assistant Requirements: 20 Credits

BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
HPR 1000	Introduction to Health	3
PSY 1001	General Psychology I (GT-SS3)	3
CSL 2046	Ethical Practice in Addiction Treatment	1
CSL 2050	Motivational Interviewing I	1.5
CSL 2051	Pharmacology I for Addiction Counselors	1
CSL 2054	Trauma Informed Care	1
CSL 2058	Group Counseling Skills	1.5
CSL 2061	Case Conceptualization and Documentation	1
CSL 2065	Culturally Informed Treatment	1
CSL 2068	Addictions Counseling Skills	1.5
CSL 2069	Principles of Addiction	1.5

Behavioral Health Assistant Certificate

The Behavioral Health Assistant micro-credential ensures students build a strong foundation of behavioral health knowledge and competencies. The areas of focus include behavioral health and wellness, intercultural competency, therapeutic communication, case management, and crisis intervention. Upon completion of this coursework, students will be a Qualified Behavioral Health Assistant as outlined by the Behavioral Health Administration.

Please Note: This Program is **Not Eligible** for Financial Aid.

Behavioral Health Assistant Requirements: 10 Credits

PTE 1010	Intro to Behavioral Health Care and Wellness	3
BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 1030	Behavioral Health Case Management and Clinical Documentation	1
BEH 2030	Applied Therapeutic Communication Skills	3

Behavioral Health Assistant II Certificate

The Behavioral Health Assistant II micro-credential builds upon the Assistant I courses through service-learning experience, as well as a deeper study and understanding of diversity. It ensures students have theoretical and experiential knowledge of behavioral health care and practice. Following this program, students will have practiced applying many concepts and skills within diverse behavioral health settings. The areas of focus include behavioral health and wellness, intercultural competency, inclusive practice, therapeutic communication, crisis intervention, and service-learning.

Behavioral Health Assistant II Requirements: 16 Credits

BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 1030	Behavioral Health Case Management and Clinical Documentation	1
BEH 2030	Applied Therapeutic Communication Skills	3
PTE 1010	Intro to Behavioral Health Care and Wellness	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SWK 1100	Social Welfare and Community Agencies with Service Learning	3

Behavioral Health Patient Navigator Certificate

The Patient Navigator micro-credential ensures students are prepared to support clients in identifying resources as well as navigating behavioral healthcare services and systems. Students will focus on promoting client health and wellbeing. While not directly providing services, navigators are equipped with valuable skills. These include empathy, cultural competency, understanding of behavioral healthcare systems, effective communication, and boundaries.

Please Note: This Program is **Not Eligible** for Financial Aid.

Degree Requirements

Behavioral Health Patient Navigator Certificate: 12 Credits

BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3
BEH 2030	Applied Therapeutic Communication Skills	3
HPR 1000	Introduction to Health	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3

Behavioral Health Plus Certificate

The Behavioral Health Plus micro-credential is an effective addition to almost any role (Certified Nurse Aide, Medical Assistant, etc.). It ensures students build foundational behavioral health knowledge as well as entry-level crisis management and de-escalation techniques. Students can then apply these skills in a variety of settings.

Please Note: This Program is **Not Eligible** for Financial Aid.

Degree Requirements

Behavioral Health Plus Certificate

PTE 1010	Intro to Behavioral Health Care and Wellness	3
BEH 1001	Mental Health Crisis and Intervention: Preparedness and Emp	3

Business Certificate

The Business Department's General Business Certificate introduces the fundamental concepts and practices of businesses to develop a practical understanding of business information. Whether you are starting a new business or are a professional seeking to grow your career with greater business responsibilities, this certificate will provide you with the concepts, knowledge and skills that can be used when you encounter challenges in the business world. By earning this certificate, you will gain knowledge, skills, and the ability to think critically.

With this certificate small business owners, non-business majors and career changers are prepared to develop a new understanding of the business environment. You will be equipped to provide greater value to your business or organization by providing additional understanding of business transactions, developing professional relationships through enhanced communication, and identifying key figures that will guide you to understanding your business. Whether you want to advance in your career or move in a new direction, the Community College of Aurora can help you grow as a business professional.

General Business Certificate: 18 credits

ACC 1011	Introduction to Financial Accounting	3
ACC 1012	Introduction to Managerial Accounting	3
BUS 1015	Introduction to Business	3
BUS 2016	Legal Environment of Business	3
BUS 2017	Business Communication and Report Writing	3
BUS 2026	Business Statistics	3

Computer Support Technician Certificate

This certificate program prepares students as entry-level computer specialists. Students will be able to configure and repair personal computers and peripherals as well as gain a basic understanding of networking concepts. This certificate provides students with the opportunity to learn the skills needed to test for the A+ industry certification. This certificate may also lead to the AAS CIS – IT Tech and Support CCA degree.

This certificate is offered in both traditional and in an accelerated pace format. In the accelerated pace format, credits can be earned through prior learning assessment and evidence of competency achievement.

Certificate Requirements: 22 credits

CIS 1015	Introduction to Computer Information Systems	3
CIS 1028	Introduction to Operating Systems	3
CIS 2002	Automated Project Management: MS Project	3
CIS 2003	Technology for Career Success	2
CIS 2063	PC Help Desk Skills	3
CNG 1021	Computer Technician I A+	4
CNG 1022	Computer Technician II A+	4

Construction Estimating Certificate

This certificate prepares students for jobs costing and bidding various types of projects in the construction industry, including residential and commercial projects. Upon completion of the program, students will demonstrate the ability to estimate materials and labor quantities needed for different sizes and types of projects, read residential and commercial blueprints, use building trade industry reference materials, apply expense

and revenue assumes to generate a competitive project cost, and write up a clear and compelling bid document or proposal.

Construction Estimating Certificate: 16 credits

AEC 1200	Print Reading Residential/Commercial	3
AEC 1520	Construction Materials and Systems	3
AEC 2610	Estimating I	3
AEC 2611	Estimating II: Cost Analysis	3
BUS 2017	Business Communication and Report Writing	3
OSH 1310	10 HR Construction Industry Standards	1

Construction Superintendent Certificate

This certificate prepares students for management and leadership roles in residential or commercial construction projects. Demand for professionals skilled at supervision and labor/material deployment, and versed in blueprint reading, residential and commercial industry code is projected to remain strong through 2023 and beyond.

Construction Superintendent Certificate: 18 credits

AEC 1200	Print Reading Residential/Commercial	3
AEC 1520	Construction Materials and Systems	3
AEC 2630	Construction Scheduling	3
AEC 2700	International Building Codes	3
MAN 1016	Principles of Supervision	3
OSH 1311	30 HR Construction Industry Standards	3

Emergency Medical Technician Basic Certificate

The Emergency Medical Provider (EMP) program is designed for students seeking careers in emergency medicine. This program provides students with the knowledge and skills required to function within the Emergency Medical Services System. Courses progress from EMT to Paramedic. All programs meet or exceed the Colorado Department of Public Health and Environment requirements for certification eligibility. All EMS courses must be taken as an emphasis block of instruction as indicated below.

Please Note: This Program is **Not Eligible** for Financial Aid.

Program Admission Requirements

• National Criminal Background Check with no CCCS Disqualifying Offenses
• 10 panel drug screen (negative all fields)
• Required vaccinations
• Physician clearance letter

For more information please contact the department.

Certificate Requirements: 12 credits

EMS 1021	EMT Fundamentals	3
EMS 1022	EMT Medical Emergencies	4
EMS 1023	EMT Trauma Emergencies	2
EMS 1024	EMT Special Considerations	2
EMS 1070	EMT-Clinical	1

EMT Paramedic Certificate

The Emergency Medical Provider (EMP) program is designed for students seeking careers in emergency medicine. This program provides students with the knowledge and skills required to function within the Emergency Medical Services System. Courses progress from EMT to Paramedic. All programs meet or exceed the Colorado Department of Public Health and Environment requirements for certification eligibility. All EMS courses must be taken as an emphasis block of instruction as indicated below.

Students must be EMT certified from another institution, or complete EMS 1021, EMS 1022, and EMS 1023, EMS 1024 and EMS 1070 and earn the EMT Emphasis Certificate at CCA. Enrollment in Paramedic level courses require Colorado EMT IV, CPR certifications and BIO 1006.

The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Commission on Accreditation of Allied Health Education Programs

1361 Park Street

Clearwater, FL 33756

727-210-2350

www.caahep.org

To contact CoAEMSP:

8301 Lakeview Parkway, Suite 111-312

Rowlett TX 75088

(214) 703-8445

FAX (214) 703-8992

www.coaemsp.org

Program Admission Requirements

•National Criminal Background Check with no CCCS Disqualifying Offenses
•10 panel drug screen (negative all fields)
•Required vaccinations
•Physician clearance letter
•Valid Colorado EMT card
•Proof of Colorado IV/IO endorsement
•Current healthcare provider CPR card

For more information please contact the department.

Certificate Requirements: 45 credits

EMS 2025	Fundamentals of Paramedic Practice	3
EMS 2026	Fundamentals of Paramedic Practice - Lab	2

EMS 2027	Paramedic Special Considerations	3
EMS 2028	Paramedic Special Considerations - Lab	2
EMS 2029	Paramedic Pharmacology	3
EMS 2030	Paramedic Pharmacology - Lab	2
EMS 2031	Paramedic Cardiology	5
EMS 2032	Paramedic Cardiology - Lab	1
EMS 2033	Paramedic Medical Emergencies	4
EMS 2034	Paramedic Medical Emergencies - Lab	1
EMS 2035	Paramedic Trauma Emergencies	4
EMS 2036	Paramedic Trauma Emergencies - Lab	1
EMS 2037	Paramedic Internship Preparatory	2
EMS 2080	Paramedic Internship I	6
EMS 2081	Paramedic Internship II	6

Film Video Media: Acting/Directing for the Screen Certificate

The Acting/Directing for the Screen certificate program is designed to help actors discover their full potential as professionals, as well as help them develop strength and creativity as individuals. This mission is integrated into the Acting/Directing program for the school. With hundreds of production students who need trained actors each semester, it makes sense that directors and actors can benefit from each other. Using techniques based on Stanislavski's teachings, students will explore many tools for honing and enriching their craft. The approach of the acting faculty encourages students to discover each character within themselves, bringing honesty and specificity to each moment. The program also focuses on techniques that train actors to emerge from each character safely and to work as strong members of any ensemble.

Certificate Requirements: 51 credits

General Education: 6 credits

English

ENG 1021	English Composition I (GT-CO1)	3

Ethnic Studies

ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Film Video Media Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Acting/Directing for the Screen Emphasis: 30 credits

FVM 1018	Screen Actor Improvisation	3
FVM 1055	Writing the Short Script	3
FVM 2000	Video Production II	3
FVM 2007	Directing Workshop	3
FVM 2011	Studio Recording for Voice	3
FVM 2017	Acting for the Screen	3
FVM 2018	Screen Actor Movement/Action I	3
FVM 2028	Screen Actor Movement/Action II	3
FVM 2051	Feature Script Analysis	3
FVM 2022	Writing the Web Series	3
	Or	
FVM 2043	Writing for Interactive Games	3

Film Video Media: Cinematography Certificate

Cinematography majors develop their filmmaking craft through hands-on instruction and collaboration with Directors and Production Designers. They learn to visualize a movie while provoking emotional response from the audience. This is the essence of why people connect with cinema. You will master a wide variety of industry standard cameras and production tools currently in use at the highest levels of our industry. Working in parallel with other disciplines allows a Cinematography major to explore a wide range of filmmaking, gaining skills in: dramatic narrative, documentary filmmaking and the latest in state-of-the-art technology and technique.

Certificate Requirements: 51 credits

General Education: 6 credits

English

ENG 1021	English Composition I (GT-CO1)	3

Ethnic Studies

ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Film Video Media Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Cinematography/Videography Emphasis: 30 credits

FVM 1053	Introduction to Film Production	3
FVM 1185	The Documentary Film	3
FVM 2000	Video Production II	3
FVM 2005	Camera Techniques	3
FVM 2006	Film/Video Lighting	3
FVM 2013	Cinematography	3
FVM 2020	16MM/HD Production	3
FVM 2023	Color Grading	3
FVM 2073	Professional Documentary Production	3

AND

	FVM Elective	
FVM 2021	Commercial Media Production	3
	Or	
	Any other FVM course approved by the department	3

Film Video Media: Post-Production Certificate

This program helps prepare students to become great editors that find work. Traditionally, we teach the very latest in Adobe Creative Suite, Avid, and Final Cut Pro. We offer training in Sound Design with Pro Tools. Color Grading with DaVinci Resolve, Visual Effects with Nuke, as well as Animation & Motion Graphics with After Effects & Photoshop. Successful completion of our Post-Production Program following the Fall 2019 Semester will also include certification with the Avid Media Composer, the industry standard for video editing. Most importantly we give our editors the skills to adapt in the fast-paced, ever changing world of media.

Certificate Requirements: 51 credits

General Education: 6 credits

English

ENG 1021	English Composition I (GT-CO1)	3

Ethnic Studies

ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Film Video Media Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Post-Production Emphasis: 30 credits

FVM 1063	Digital Editing: Premiere	3
FVM 1064	Digital Editing: Final Cut Pro	3
FVM 1065	Digital Editing: Avid	3
FVM 2000	Video Production II	3
FVM 2008	Sound for Film/Video	3
FVM 2015	Post-Production II	3
FVM 2023	Color Grading	3
	Or	
FVM 2063	Digital Compositing	3
	Or	
FVM 2067	Editing Aesthetics	3
FVM 2048	Post-Production Sound	3
FVM 2064	Digital Effects	3
FVM 2087	Internship	3

Film Video Media: Screenwriting Certificate

Great films start with character and story, so needless to say, our most talented writers have a strong fan base. Screenwriting majors create short film scripts they can market to producers and directors via the school's established filmmaking architecture. Beyond this, screenwriters develop scripts for television, feature films, web series and interactive games in focused courses that emphasize process, structure, story and character. A Screenwriting major can graduate with a strong portfolio of scripts and teleplays to market to producers and financiers of features and series alike.

Certificate Requirements: 51 credits

General Education: 6 credits

English

ENG 1021	English Composition I (GT-CO1)	3

Ethnic Studies

ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Film Video Media Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Screenwriting Emphasis: 30 credits

FVM 1018	Screen Actor Improvisation	3
FVM 1055	Writing the Short Script	3
FVM 2002	Film/Video Business	3
	Or	
FVM 2016	Producing the Independent Film	3
FVM 2036	Creative Producing	3
FVM 2022	Writing the Web Series	3
	Or	
FVM 2032	Writing the TV Pilot	3
	Or	
FVM 2042	Writing the TV Spec Script	3
	Or	
FVM 2043	Writing for Interactive Games	3

FVM 2051	Feature Script Analysis	3
FVM 2052	Writing the Independent Film	3
	Or	
FVM 2062	Writing the Hollywood Feature	3
FVM 2068	Feature Rewrites Workshop	3
FVM 2069	Screenwriter's Workshop	3

Choose one from the list below:

FVM 1025	Women in Film	3
FVM 1026	Hollywood Shuffle/Black Cinema	3
FVM 1027	LGBTQ Voices in Film	3
FVM 1181	Topics in Film Studies	3
FVM 1183	Italian Neo-Realism and French New Wave Cinema	3
FVM 1184	Landmarks of Cinema	3
FVM 1185	The Documentary Film	3
FVM 1186	The Horror Film	3
FVM 1187	The Science Fiction Film	3
FVM 1188	The Comedy Film	3

Film Video Media: Writing/Directing Certificate

The Writing / Directing program is designed to provide students with the storytelling skills that are essential to media content creation. Writing / Directing majors focus on scriptwriting, preproduction, eliciting actor performances, production with crews, and post-production. Students should graduate from our rigorous program with a completed teleplay, feature screenplay, and a reel of professional quality videos, ready to work in the creative economy sector in broadcast, feature film, webcast, or any of the evolving media creation formats.

Certificate Requirements: 51 credits

General Education: 6 credits

English

ENG 1021	English Composition I (GT-CO1)	3

Ethnic Studies

ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Film Video Media Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3
FVM 1060	Video Post-Production I	3

Writing/Directing Emphasis: 30 credits

FVM 1018	Screen Actor Improvisation	3
	Or	
FVM 2006	Film/Video Lighting	3
	Or	
FVM 2017	Acting for the Screen	3
FVM 1055	Writing the Short Script	3
FVM 2000	Video Production II	3
FVM 2002	Film/Video Business	3
FVM 2005	Camera Techniques	3
FVM 2007	Directing Workshop	3
FVM 2015	Post-Production II	3
FVM 2020	16MM/HD Production	3
FVM 2051	Feature Script Analysis	3
FVM 2022	Writing the Web Series	3
	Or	
FVM 2032	Writing the TV Pilot	3
	Or	
FVM 2042	Writing the TV Spec Script	3
	Or	
FVM 2043	Writing for Interactive Games	3

Film Video Media: Writing/Producing Certificate

It all starts with imagination, ideas and the script. Creative producers and screenwriters learn to analyze and write screenplays by understanding character, structure and narrative story elements. They then assemble and collaborate with key creative artists to form a combined vision through a project's development, from pre-production, into production and, finally, post-production. Filmmakers will perfect both the creative and business aspects of filmmaking by enhancing and developing artistic proficiency and judgment, becoming immersed in a solid background of the entertainment industry.

Certificate Requirements: 51 credits

General Education: 6 credits

English

ENG 1021	English Composition I (GT-CO1)	3

Ethnic Studies

ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

Film Video Media Core: 15 credits

FVM 1003	Pre-Production I	3
FVM 1005	Video Production I	3
FVM 1017	Understanding the Actor's Process	3
FVM 1050	Development of Film Expression	3

FVM 1060	Video Post-Production I	3

Writing/Producing Emphasis: 30 credits

FVM 1055	Writing the Short Script	3
FVM 2000	Video Production II	3
FVM 2002	Film/Video Business	3
FVM 2009	Production Management	3
FVM 2016	Producing the Independent Film	3
FVM 2020	16MM/HD Production	3
FVM 2036	Creative Producing	3
FVM 2051	Feature Script Analysis	3
FVM 2022	Writing the Web Series	3
	Or	
FVM 2032	Writing the TV Pilot	3
	Or	
FVM 2042	Writing the TV Spec Script	3
	Or	
FVM 2043	Writing for Interactive Games	3
FVM 2073	Professional Documentary Production	3
	Or	
FVM 2087	Internship	3

Fire Science: Basic Certificate

This selective entry certificate program is designed for students to take the Colorado Firefighter I and HazMat certification tests. The Colorado Firefighter I certification is required by some fire departments for application and is recognized by others in their job interview process. Please note you must first apply to CCA and then contact the FST program or an advisor for next steps.

Program Admission Requirements

- Physician clearance letter
- CBI Background check with no CCCS Disqualifying Offenses

For more information please contact the department.

Certificate Requirements: 17 credits

FST 1000	Firefighter I	9
FST 1002	Principles/Emergency Services	3
FST 1007	Hazardous Materials Operations (Level I)	3
FST 1070	Clinical I	1
PED 1010	Fitness Center Activity I	1

Human Resource Management Certificate

The Business Department's Human Resources Certificate introduces the knowledge you need to develop effective practices for an ever-changing, complex workplace. You will gain additional understanding of management practices while learning current HR methods, and understand how social, business, regulatory and technical issues influence the work of the HR department. The courses incorporate materials and techniques used by current HR professionals, giving you skills you can use immediately. Whether you want to advance in your career or move in a new direction, the Community College of Aurora can help you grow as an HR professional.

Human Resource Management Certificate: 18 credits

BUS 1015	Introduction to Business	3
BUS 2016	Legal Environment of Business	3
BUS 2017	Business Communication and Report Writing	3
MAN 1056	Problem Solving-Business Environment	3
MAN 2000	Human Resources Management I	3
MAN 2001	Human Resources Management II	3

Nurse Aide Certificate

This certificate program is designed to teach the student to perform the fundamental skills of the nurse assistant. Basic nursing skills, restorative services, personal care skills, safety and emergency care issues will be covered in the theory and lab. Students will have the opportunity to practice these skills in a work environment through clinical coursework. The student will also assist patients to meet emotional needs and to ensure patient rights. This program will prepare the graduate for the National Nurse Aide Assessment Program for State Certification.

Please Note: This Program is **Not Eligible** for Financial Aid.

Program Admission Requirements

- College readiness in English
- Physician clearance letter
- National Criminal Background Check with no CCCS Disqualifying Offenses
- 10 Panel Negative Drug Screen, including THC (Marijuana)
- Negative Tuberculosis Test
- Required Vaccinations
    - 2 MMR vaccines and/or positive titers
    - 2 Varicella vaccines, positive titers, and/or documented history of the disease
    - 3 Hepatitis B vaccines and/or positive titers
    - Tdap Vaccine (within the last 10 years)
    - Seasonal Flu Vaccine (Fall/Spring)
    - Up to Date COVID-19 Vaccine

For more information please contact the department.

Required Courses:

Certificate Requirements: 5 credits

NUA 1001	Nurse Aide Health Care Skills	4
NUA 1070	Nurse Aide Clinical Experience	1

Paralegal Certificate

This program, approved by the American Bar Association (ABA), combines an understanding of legal principles, legal analysis, and ethical considerations with practical applications.

Courses lead to an ABA-approved Paralegal Certificate. To be awarded the Paralegal Certificate, the student must complete the certificate requirements and complete or submit evidence of having completed a degree (Associate or higher) from a regionally accredited institution, including ENG 1021, or the equivalent. Students who have not completed the degree requirement must complete the Associates of Applied Science - Paralegal Degree to receive the Paralegal Certificate.

In order to meet ABA requirements, only certain online Paralegal courses are applicable to this certificate. If the class is offered at CCA under the PAR prefix, it will apply to the certificate requirements. If you are transferring in paralegal credits, you are responsible for proving the method of delivery.

Students must take at least 10 semester credits of legal specialty courses through traditional classroom instruction. Students must take at least 15 credit hours of paralegal courses at CCA in order to receive the paralegal certificate.

You must apply for graduation on the website prior to your final semester to receive your certificate.

*A paralegal is a person, qualified by education, training or work experience, who is employed or retained by a lawyer, law office, corporation, governmental agency or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. Any act performed by a paralegal that requires a legal license to perform, unless otherwise authorized by applicable court rules, constitutes unauthorized practice of law.

Certificate Requirements: 30 credits

Certificate Emphasis Requirements: 21 credits

PAR 1115	Introduction to Law	3
PAR 1116	Torts	3
	Or	
PAR 2205	Criminal Law	3
PAR 1118	Contracts	3
PAR 2201	Civil Litigation	3
PAR 2213	Legal Research and Writing I	3
PAR 2214	Legal Research and Writing II	3
PAR 2080	Internship	3
	OR	
PAR 2085	Independent Study	3

PAR 1116, PAR 2205 Students may take either Torts or Criminal Law to meet the emphasis requirements, or they may take both courses, one as an elective.

Electives: 9 credits

Select three courses from the following:

PAR 1116	Torts	3
PAR 1117	Family Law	3
PAR 1125	Property Law	3
PAR 2205	Criminal Law	3
PAR 2206	Business Organizations	3
PAR 2207	Current Issues in Law	3
PAR 2208	Probate and Estates	3
PAR 2216	Employment Law	3
PAR 2227	Immigration Law	3
PAR 2075	Special Topics	3
	Any other PAR courses approved by the department	

PAR 1116, PAR 2205: Students may take either Torts or Criminal Law to meet the emphasis requirements, or they may take both courses, one as an elective.

Patient Care Technician Certificate

The Patient Care Technician (PCT) Certificate program is designed to prepare students to work in a variety of health care environments. Students gain technical expertise to provide effective clinical assistance to patients. The PCT program prepares a student to work as an entry-level patient care technician in a clinic, hospital, nursing home or long-term care facility. Students will learn how to perform basic laboratory procedures, check vital signs, assist in medical examinations, and perform phlebotomy procedures.

This program is a combination of lecture and practical exercises in a simulation laboratory and in actual clinical settings. Upon successful completion of this program, the student is eligible to take the State of Colorado Nurse's Aide Certification exam as well as national certification exams for Phlebotomy and Patient Care Technician. All courses must be completed to obtain the PCT Certificate.

Students will be required to complete and pass a criminal background check, drug screen and provide proof of immunizations prior to starting internships/clinical experiences. Students unable to complete these requirements will not be able to begin the program.

Program Admission Requirements

- College readiness in English
- Physician clearance letter
- National Criminal Background Check with no CCCS Disqualifying Offenses
- 10 Panel Negative Drug Screen, including THC (Marijuana)
- Negative Tuberculosis Test
- Required Vaccinations
    - 2 MMR vaccines and/or positive titers
    - 2 Varicella vaccines, positive titers, and/or documented history of the disease
    - 3 Hepatitis B vaccines and/or positive titers
    - Tdap Vaccine (within the last 10 years)
    - Seasonal Flu Vaccine (Fall/Spring)
    - Up to Date COVID-19 Vaccine

For more information please contact the department.

Patient Care Technician Requirements: 21 credits

HPR 1006	Customer Service in Health Care	2
HPR 1007	Computers in Health Care	2
HPR 1008	Law & Ethics for Health Professionals	2
HPR 1020	Phlebotomy	4
HPR 1040	Comprehensive Medical Terminology	3
HPR 1080	Internship (Phlebotomy)	3
NUA 1001	Nurse Aide Health Care Skills	4
NUA 1070	Nurse Aide Clinical Experience	1

Phlebotomy Certificate

Teaches the duties, responsibilities and skills associated with the practice of venipuncture, capillary puncture, and special collection procedures. Students will have hands on experience with blood specimen collection and processing, as well as a thorough knowledge of quality control, infection control and safety procedures. This program includes a lecture/lab combination that teaches theory and direct application of theoretic content, as well as clinical opportunities for students to master learned skills. Upon successful completion, students may qualify to sit for a national certification exam through ASCP (American Society of Clinical Pathologists).

Students will be required to complete and pass a criminal background check, drug screen and provide proof of immunizations prior to starting internships/clinical experiences. Students unable to complete these requirements will not be able to begin the program.

Please Note: This Program is **Not Eligible** for Financial Aid.

Program Admission Requirements

• Physician clearance letter
• National Criminal Background Check with no CCCS Disqualifying Offenses
• 10 Panel Negative Drug Screen, including THC (Marijuana)
• Negative Tuberculosis Test
• Required Vaccinations
  • 2 MMR vaccines and/or positive titers
  • 2 Varicella vaccines, positive titers, and/or documented history of the disease
  • 3 Hepatitis B vaccines and/or positive titers
  • Tdap Vaccine (within the last 10 years)
  • Seasonal Flu Vaccine (Fall/Spring)
  • Up to Date COVID-19 Vaccine

For more information please contact the department.

Required Courses:

Certificate Requirements: 7 credits

HPR 1020	Phlebotomy	4
HPR 1080	Internship (Phlebotomy)	3

Real Estate Certificate

The Business Department's Real Estate Certificate introduces the knowledge you need to understand the real estate business, and the knowledge to become a real estate broker. Classes provide information on real estate law and practice, practical application, and current legal issues related to the field. You will obtain the education required to earn your Colorado Real Estate Broker's License. If you are currently in the business world, or are looking to transitioning into business, this certificate will provide you with a foundation in real estate law. Whether you want to advance in your career or move in a new direction, the Community College of Aurora can provide you with the courses to help you develop as a business professional.

Please Note: This Program is **Not Eligible** for Financial Aid.

Real Estate Certificate Requirements: 12 credits

REE 2001	Real Estate Broker I	6
REE 2002	Real Estate Broker II	6

Translation and Interpretation Certificate

This specialist certificate is intended to prepare functionally bilingual students for employment as interpreters and/or translators. Upon completion, students will be able to provide basic interpreting and translation services between English and their other language(s).

Prerequisites:

1. Provide evidence of proficiency in English with one of the following:
   a. Completion of ENG 1021 or higher with a C or higher.
   b. Other evidence demonstrating English proficiency may be approved by the program Chair
2. Provide evidence of proficiency in a second language with one of the following:
   a. Evidence of completion of high school in a country where the language is spoken.
   b. Completion of a college minor in the second language with a minimum grade of "C" for all courses taken in the second language
   c. Other evidence demonstrating proficiency in a second language may be approved by the program Chair
3. Prospective students can contact the Department Chair, 303-360-4828 for additional information.

Certificate Requirements: 23 credits

Certificate Requirements: 23 Credits

TRI 1001	Introduction to Translation and Interpretation	3
TRI 1003	Code of Ethics	2
TRI 1004	Business of Translation and Interpretation	3
TRI 2001	Consecutive Interpretation I	3
TRI 2002	Simultaneous Interpretation I	3
TRI 2003	Sight Translation	3
TRI 2004	Consecutive Interpretation II	3
TRI 2005	Simultaneous Interpretation II	3

Translation and Interpretation Legal Certificate

The Translation and Interpretation Certificate with a Legal emphasis provides the fundamental practices in the three modes of Interpretation-consecutive, simultaneous and sight translation-an an additional understanding of legal concepts and terminology to those seeking

professional certification as state court interpreters, or plan to work in legal settings.

Prerequisites:

1. Provide evidence of proficiency in English with one of the following:
   a. Completion of ENG 1021 or higher with a C or higher.
   b. Other evidence demonstrating English proficiency may be approved by the program Chair
2. Provide evidence of proficiency in a second language with one of the following:
   a. Evidence of completion of high school in a country where the language is spoken.
   b. Completion of a college minor in the second language with a minimum grade of "C" for all courses taken in the second language
   c. Other evidence demonstrating proficiency in a second language may be approved by the program Chair
3. Prospective students can contact the Department Chair, 303-360-4828 for additional information.

Certificate Requirements: 35 credits

TRI 1001	Introduction to Translation and Interpretation	3
TRI 1003	Code of Ethics	2
TRI 1004	Business of Translation and Interpretation	3
TRI 2001	Consecutive Interpretation I	3
TRI 2002	Simultaneous Interpretation I	3
TRI 2003	Sight Translation	3
TRI 2004	Consecutive Interpretation II	3
TRI 2005	Simultaneous Interpretation II	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
CRJ 1035	Judicial Function	3
CRJ 2005	Principles of Criminal Law	3
PAR 1117	Family Law	3

Translation and Interpretation Medical Certificate

The Translation and Interpretation Certificate with a Medical emphasis provides the fundamental practices in the three modes of Interpretation-consecutive, simultaneous and sight translation-and an additional understanding of medical concepts and terminology to those seeking professional certification as medical interpreters, or plan to work in medical settings.

Prerequisites:

1. Provide evidence of proficiency in English with one of the following:
   a. Completion of ENG 1021 or higher with a C or higher.
   b. Other evidence demonstrating English proficiency may be approved by the program Chair
2. Provide evidence of proficiency in a second language with one of the following:
   a. Evidence of completion of high school in a country where the language is spoken.
   b. Completion of a college minor in the second language with a minimum grade of "C" for all courses taken in the second language
   c. Other evidence demonstrating proficiency in a second language may be approved by the program Chair
3. Prospective students can contact the Department Chair, 303-360-4828 for additional information.

Certificate Requirements: 33 credits

TRI 1001	Introduction to Translation and Interpretation	3
TRI 1003	Code of Ethics	2
TRI 1004	Business of Translation and Interpretation	3
TRI 2001	Consecutive Interpretation I	3
TRI 2002	Simultaneous Interpretation I	3
TRI 2003	Sight Translation	3
TRI 2004	Consecutive Interpretation II	3
TRI 2005	Simultaneous Interpretation II	3
BIO 1006	Basic Anatomy and Physiology	4
BIO 1016	Introduction to Human Disease (GT-SC2)	3
HPR 1040	Comprehensive Medical Terminology	3

GT Pathway Courses

Written Communication GT-CO2

ENG 1022	English Composition II (GT-CO2)	3

Written Communication GT-CO1

ENG 1021	English Composition I (GT-CO1)	3
ENG 1031	Technical Writing I (GT-CO1)	3

Mathematics GT-MA1

MAT 1240	Mathematics for Liberal Arts (GT-MA1)	4
MAT 1260	Introduction to Statistics (GT-MA1)	3
MAT 1320	Finite Mathematics (GT-MA1)	4
MAT 1340	College Algebra (GT-MA1)	4
MAT 1400	Survey of Calculus (GT-MA1)	4
MAT 1420	College Trigonometry (GT-MA1)	3
MAT 1440	Pre-Calculus (GT-MA1)	5
MAT 2410	Calculus I (GT-MA1)	5
MAT 2420	Calculus II (GT-MA1)	5
MAT 2430	Calculus III (GT-MA1)	4
MAT 2431	Calculus III with Engineering Applications: (GT-MA1)	5
MAT 2561	Differential Equations with Engineering Applications: (GT-MA1)	4
MAT 2560	Differential Equations (GT-MA1)	3

Arts and Humanities GT-AH1

ART 1110	Art Appreciation: (GT-AH1)	3
ART 1111	Art History - Ancient to Medieval (GT-AH1)	3

ART 1112	Art History – Renaissance to Modern: GT-AH1	3
ART 1113	Art History - 1900 to Present: (GT-AH1)	3
COM 1300	Communication and Popular Culture (GT-AH1)	3
ENG 2021	Creative Writing I (GT-AH1)	3
MUS 1020	Music Appreciation (GT-AH1)	3
MUS 1021	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 1022	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 1023	Survey of World Music (GT-AH1)	3
MUS 1025	History of Jazz (GT-AH1)	3
THE 1005	Theatre Appreciation (GT-AH1)	3
THE 1008	Theater Script Analysis (GT-AH1)	3
THE 2011	Development of Theatre Greek-Reniassance (GT-AH1)	3
THE 2012	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 2015	Playwriting (GT-AH1)	3

Arts and Humanities GT-AH2

HUM 1015	World Mythology (GT-AH2)	3
HUM 1021	Humanities: Early Civilizations (GT-AH2)	3
HUM 1022	Humanities: Medieval-Modern (GT-AH2)	3
HUM 1023	The Modern World (GT-AH2)	3
LIT 1015	Introduction to Literature (GT-AH2)	3
LIT 2001	World Literature to 1600 (GT-AH2)	3
LIT 2002	World Literature after 1600 (GT-AH2)	3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature (GT-AH2)	3
LIT 2011	American Literature to Civil War (GT-AH2)	3
LIT 2012	American Literature after Civil War (GT-AH2)	3
LIT 2021	British Literature to 1770 (GT-AH2)	3
LIT 2022	British Literature since 1770 (GT-AH2)	3
LIT 2025	Introduction to Shakespeare (GT-AH2)	3
LIT 2046	Literature of Women (GT-AH2)	3
LIT 2055	Children's Literature (GT-AH2)	3
LIT 2058	Latinx Literature (GT-AH2)	3
LIT 2059	Survey of African American Literature (GT-AH2)	3

Arts and Humanities GT-AH3

PHI 1011	Introduction to Philosophy (GT-AH3)	3
PHI 1012	Ethics (GT-AH3)	3
PHI 1013	Logic (GT-AH3)	3
PHI 1014	Comparative Religions (GT-AH3)	3
PHI 2005	Business Ethics (GT-AH3)	3
PHI 2014	Philosophy of Religion (GT-AH3)	3
PHI 2018	Environmental Ethics (GT-AH3)	3
PHI 2020	Philosophy of Death and Dying (GT-AH3)	3

Arts and Humanities GT-AH4

ASL 2221	American Sign Language IV: (GT-AH4)	3
SPA 1011	Spanish Language I: GT-AH4	5
SPA 1012	Spanish Language II: GT-AH4	5
SPA 2011	Spanish Language III (GT-AH4)	3
SPA 2012	Spanish Language IV (GT-AH4)	3

*Note: SPA 1011 and SPA 1012 become a GT-Pathway AH4 course beginning Fall 2025

History GT-HI1

HIS 1110	The World: Antiquity - 1500 (GT-HI1)	3
HIS 1120	The World: 1500 - Present (GT-HI1)	3
HIS 1210	US History to Reconstruction (GT-HI1)	3
HIS 1220	US History Since Civil War (GT-HI1)	3
HIS 1310	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 2005	Women in World History (GT-HI1)	3
HIS 2015	20th Century World History (GT-HI1)	3
HIS 2105	Women in U.S. History (GT-HI1)	3
HIS 2110	African American History (GT-HI1)	3
HIS 2115	American Indian History (GT-HI1)	3
HIS 2135	Colorado History (GT-HI1)	3
HIS 2200	History of Latin America (GT-HI1)	3

Social and Behavioral Sciences GT-SS1

ECO 2001	Principles of Macroeconomics (GT-SS1)	3
ECO 2002	Principles of Microeconomics (GT-SS1)	3
PSC 1011	American Government (GT-SS1)	3
PSC 1025	American State and Local Government (GT-SS1)	3
PSC 1050	Current Political Issues: GT-SS1	3
PSC 2005	International Relations (GT-SS1)	3
PSC 2020	Introduction to Political Science (GT-SS1)	3
PSC 2025	Comparative Government (GT-SS1)	3

Social and Behavioral Sciences GT-SS2

GEO 1005	World Regional Geography (GT-SS2)	3
GEO 1006	Human Geography (GT-SS2)	3

Social and Behavioral Sciences GT-SS3

ANT 1001	Cultural Anthropology (GT-SS3)	3
ANT 1003	Introduction to Archaeology (GT-SS3)	3
ANT 2115	Native Peoples of North America (GT-SS3)	3
ANT 2125	Anthropology of Religion GT:SS3	3
ANT 2130	Sex, Gender, and Culture: GT-SS3	3
ANT 2550	Medical Anthropology (GT-SS3)	3
COM 1250	Interpersonal Communication (GT-SS3)	3
COM 2220	Group Communication (GT-SS3)	3
COM 2300	Intercultural Communication (GT-SS3)	3
CRJ 1010	Introduction to Criminal Justice (GT:SS3)	3
ETH 2000	Introduction to Ethnic Studies (GT-SS3)	3

ETH 2015	Discrimination and Diversity (GT-SS3)	3
PSY 1001	General Psychology I (GT-SS3)	3
PSY 1002	General Psychology II (GT-SS3)	3
PSY 2105	Psychology of Gender (GT-SS3)	3
PSY 2107	Human Sexuality (GT-SS3)	3
PSY 2221	Social Psychology (GT-SS3)	3
PSY 2331	Positive Psychology: GT-SS3	3
PSY 2333	Health Psychology: GT-SS3	3
PSY 2440	Human Growth and Development (GT-SS3)	3
PSY 2441	Child Development (GT-SS3)	3
PSY 2552	Psychopathology: GT-SS3	3
SOC 1001	Introduction to Sociology I (GT-SS3)	3
SOC 1002	Introduction to Sociology II (GT-SS3)	3
SOC 2005	Sociology of Family Dynamics (GT-SS3)	3
SOC 2007	Environmental Sociology (GT-SS3)	3
SOC 2015	Contemporary Social Problems (GT-SS3)	3
SOC 2018	Sociology of Diversity (GT-SS3)	3
SOC 2020	Sociology of Religion (GT-SS3)	3
SOC 2031	Sociology of Deviant Behavior (GT-SS3)	3
WST 2000	Introduction to Women's and Gender Studies: GT-SS3	3
WST 2300	Women's Sexuality (GT-SS3)	3

Natural and Physical Sciences GT-SC1

ANT 1005	Biological Anthropology w/Lab (GT-SC1)	4
ANT 2315	Introduction to Forensic Anthropology with Lab (GT-SC1)	4
AST 1110	Planetary Astronomy w/Lab (GT-SC1)	4
AST 1120	Stellar Astronomy w/Lab (GT-SC1)	4
BIO 1005	Science of Biology with Lab (GT-SC1)	4
BIO 1111	GenBio I: Molecular&Cellular Biology w/Lab: GT-SC1	5
BIO 1112	GenBio II: Ecology&Organismic Biology w/Lab: GT-SC1	5
BIO 2101	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 2102	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 2104	Microbiology with Lab (GT-SC1)	4
CHE 1011	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 1111	General College Chemistry I with Lab (GT-SC1)	5
CHE 1112	General College Chemistry II with Lab (GT-SC1)	5
GEO 1011	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 1012	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 1111	Physical Geology with Lab (GT-SC1)	4
GEY 1112	Historical Geology with Lab (GT-SC1)	4
GEY 1135	Environmental Geology with Lab (GT-SC1)	4
PHY 1111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 1112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 2111	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 2112	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 1055	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 1056	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 1055 and SCI 1056 to satisfy the gtPathways science requirement.

Natural and Physical Sciences GT-SC2

BIO 1016	Introduction to Human Disease (GT-SC2)	3

TUITION CLASSIFICATION

Tuition classification is governed by state law (Title 23, Article 7, of the Colorado Revised Statutes of 1973, as amended) and by judicial decisions that apply to all public institutions of higher education in Colorado and is subject to change at any time. The college is required to apply the rules set forth in the law and does not have authority to make exceptions unless specifically permitted by law.

In-state status requires domicile in Colorado for one year prior to the first day of class. Domicile is defined as an individual's true, fixed, and permanent home and place of habitation. An individual may only have one domicile at any one time.

At the beginning of the one year period, individuals are expected to take appropriate actions to demonstrate the intent to remain in Colorado permanently. This includes, but is not limited to:

- surrendering legal ties with their former state of residence,
- obtaining Colorado Driver's License/Identification within the statutory period,
- registering motor vehicle within the statutory period,
- registering to vote in Colorado,
- obtaining permanent employment in Colorado,
- filing income tax in Colorado,
- any other factors that document the individual's intent to establish a permanent home in Colorado.

Individuals are qualified to begin the one year domicile period upon reaching 22 years of age, and thus would satisfy the one year domicile requirement at 23 years of age. The one year domicile period also begins upon marriage or emancipation if the individual is under 22 years of age. Individuals under the age of 23 are eligible for in-state tuition if a parent or court-appointed legal guardian meets the requirements of the tuition law.

The tuition law recognizes the special circumstances regarding military personnel, military veterans, certain recipients of education benefits through the Department of Veterans Affairs, Olympic athletes, inmates, and recent Colorado high school graduates or GED recipients.

Active duty members of the armed forces, as well as their spouse and dependent children, whose permanent duty station is in Colorado will be charged to in-state tuition, even if the permanent duty station changes, as long as the student (armed forces member, their spouse or dependent child) is continually enrolled in classes. Students must notify the Registration office each semester they are enrolled of their military status, in order to receive in-state tuition. If the Registration office was not notified of the student's military status and the semester has concluded, in-state tuition cannot be retroactively applied.

Initial Classification

Students are classified as resident or non-resident for tuition purposes based on the information provided on the Application for Admission. Failure to answer all questions could lead to initial classification as a nonresident. After the student's status is determined, it remains unchanged in the absence of satisfactory evidence to the contrary.

Change in Tuition Classification

New students who believe their initial tuition classification was based on incomplete information and wish to prove eligibility must submit a Correction Form by the census (drop) date of the earliest part-of-term in which they are enrolled. Continuing students who attended and paid non-resident tuition or individuals emancipated prior to 22 years of age shall have up to 30 days from the first day of class to complete the Petition for In-State Tuition.

Information submitted to qualify for in-state classification is subject to independent verification. Individuals submitting false information or falsified supporting documents are subject to both criminal charges and college disciplinary proceedings.

Appeal Procedure

Students who are denied in-state tuition will not be allowed to drop courses after the census date (drop with refund deadline). Students are responsible for dropping all courses by the census date even if a decision on the Petition for In-State Tuition has not yet been received or agree to pay the out of state tuition rate. Students who are denied in-state tuition may appeal the decision of the Tuition Classification Officer. The decision of the appeals committee is final and will not be overturned by the Colorado Department of Higher Education (CDHE).

CCA reserves the right to correct tuition classification after the deadline in cases where the college believes an error was made.

For more information regarding residency and tuition classification, please visit the Colorado Department of Higher Education's website at http://highered.colorado.gov or contact the Registration and Records Office at 303-360-4797.

Colorado ASSET Bill

Senate Bill 13-033, also known as the Colorado ASSET Bill, allows U.S. Citizens, Permanent Residents, and students without lawful status to receive in-state tuition through attendance and graduation from a Colorado high school or through attendance at a Colorado high school combined with obtaining the GED. Students may gain residency through meeting these requirements.

To qualify for Colorado ASSET in-state tuition, a student must:

- Graduated from a Colorado high school or was physically present in Colorado for at least one year immediately preceding the date the student successfully completed a high school equivalency examination in Colorado; and
- Has been physically present in Colorado for at least 12 consecutive months prior to enrolling in an institution

Tuition Classification for Reverse Transfer Degrees

When awarding a Reverse Transfer Degree to a non-active student, CCA will use the last known residency as listed in CCA's student information system. This will not impact tuition classification as the student will have a registration hold placed for the term in which the degree is being awarded. Students will be made inactive for any future terms and must reapply for admission if they seek re-enrollment at CCA.

Western Undergraduate Exchange (WUE) Program

Students who are residents in one of the Western Interstate Commission for Higher Education (WICHE) states may be eligible to request a reduced Western Undergraduate Exchange (WUE) tuition rate which is less than the non-resident rate. WICHE states include Alaska, American Samoa, Arizona, California, Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Guam, Hawaii, Idaho, Montana, Northern Marianas, Nevada, New Mexico, North Dakota, Oregon, Republic of the Marshall Islands, Republic of Palau, South Dakota, Utah, Washington, and Wyoming.

Students applying for the WUE program must provide evidence of domicile in the qualifying states and are required to reapply for WUE each academic year.

Students are not permitted to apply time spent in the WUE program toward satisfaction of residency requirements for tuition classification purposes. Online courses are not eligible for the WUE tuition rate.

PAYING FOR COLLEGE

Tuition

The State Board for Community Colleges and Occupational Education determines CCA's tuition and it is subject to change. The tuition rate is listed in the Tuition and Fees section of the college website each semester.

Financial Obligations of Students

By the act of registration, you automatically incur a financial obligation to the College and will be required to complete a Student Account Payment Agreement form upon registration. This means that when registering for one or more classes (unless classes are officially dropped within the time specified for a refund of tuition) you are obligated to pay the full amount of tuition and fees. View and print your bill through MyCCA after registering. Lack of receipt of a bill does not relieve you of your financial obligation to the College.

Log into MyCCA to verify your course schedule and drop all courses you do not wish to be enrolled by the published drop dates. In accordance with the State Fiscal Procedures, unpaid accounts will be forwarded to a collections agency. Such assignments to a collections agency may impact your credit rating and may result in the addition of collection fees, attorney fees, interest, or other costs. The college will not register students for additional classes if they have any financial obligations to the College or any other Colorado Community College.

Drop for Non-Payment

The Community College of Aurora (CCA) monitors and drops students from classes due to non-payment of tuition and fees starting the week before each term begins. This process helps students avoid incurring unnecessary tuition bills and reduces the number of tuition bills sent to outside collections.

CCA runs regular monitoring reports and notifies students that they need to make payment arrangements for outstanding tuition and fees (eg financial aid, third party sponsor, or a payment plan through Nelnet) or be dropped from their class(es) due to non-payment. Notifications begin at least two weeks before classes start and continue weekly until all late-starting classes are captured.

Students who have not made a payment or set up a payment plan by the weekly deadline listed in the warning will be dropped from their class(es). Once the semester payment deadline has passed, payment is required within one business day. A student should not rely only on the drop for non-payment process to remove them from classes they do not wish to attend. A student should always verify their course schedule by the published drop dates.

Methods of Payment

Each term the official payment due dates are published in the current class schedule. Payment in full or approved alternative payment arrangements listed below need to be in place by the due date. Your amount due is available on the MyCCA portal after you register for classes. You are responsible for knowing your amount due and making payment.

1. Start a Payment Plan
   If you are unable to pay in full by the posted Drop for Non-Payment deadline, you will need to set up a payment plan to avoid being dropped and having a Finance Hold placed on your account. NBS/Nelnet payment plans are available for all students through MyCCA. Use of an NBS/Nelnet payment plan includes an enrollment fee, currently $33 per semester and subject to change. Payments can be made by checking/savings account, Visa/MasterCard, or Discover. Please visit www.mycollegepaymentplan.com/cca for more information.
2. Prefer to Pay in Full?
   Students who want to pay all at once instead of creating a payment plan can pay online or in person.

   To Pay Online
   Log in into MyCCA student portal at www.ccaurora.edu/MyCCA
   Search for the "Student Account Information" card
   Click on the Pay/View My Bill link
   Checkmark the semesters balance you wish to pay, click on the Checkout button at the bottom of the page, and follow the prompts.

   To Pay in Person
   Payments can be made in the form of cash, checks, or debit/credit cards (Visa, MasterCard, and Discover).
   CentreTech Campus: Administration Building, 2nd Floor, Cashier's Office
   Lowry Campus: Place payment in the locked drop box to be picked up for processing on Mondays and Wednesdays.
3. **College Savings Plans- 529 Savings Plans or Private Scholarships**: All 529 Plans and private scholarship checks should be made payable to Community College of Aurora and include the student's name and ID number
   Mailing address: Community College of Aurora
   Attn: Cashier's Office
   16000 E. CentreTech Parkway
   Aurora, CO 80011
4. **VA Benefits:** If you plan to use VA benefits to pay your student account, visit our Military & Veteran Services office for additional information and to get started. You can also find more information at: https://ccaurora.edu/admission-aid/financial-aid/office-of-the-cashier/#military.
5. **Third Party Sponsorship**: Third party sponsor students are students who have their tuition paid for by a third party, such as an employer, a high school or another agency. A Third Party Authorization Letter must be received by the Cashier's Office each semester. All Third Party Authorization Letters must include the following:
   - Name and Contact Information for the Third Party Sponsor
   - Name of Student and which term is to be paid
   - Approval of total amount of tuition and fees the sponsor will pay
   - A FERPA Release Form signed by the student

   For more information, visit: https://ccaurora.edu/admission-aid/financial-aid/office-of-the-cashier/
6. **Financial Aid**: Once you have applied for financial aid, it can take several weeks to process your award. While your financial aid award is being processed, set up a Payment Plan. If the student has received disbursement of financial aid award, amounts are subject to adjust to reflect the updated enrollment status.

Refund Policy

Refund Processing

A refund is any aid money a student receives – either through financial aid, third party sponsor, or scholarship - beyond what the College bills for tuition, fees, and other costs required to attend the College.
These leftover funds are paid out to the student.

Refunds are processed through BankMobile. To set your refund preferences, go to www.refundselection.com.

You have several choices for how to receive your refunds:

1. Through BankMobile, you may select an electronic deposit to your existing checking or savings account or you may choose to set up a new bank account with BankMobile.
2. You may also choose to receive a paper check in the mail directly from BankMobile, at your address on record with Admissions. Be sure to keep your address up to date.

***Note: If you do not set up a preference, you will not receive the refund and may lose access to the leftover funds.**

Only classes dropped by the course census date are eligible for refund of tuition. If a student withdraws from a class after the posted drop deadline, they are still responsible for charges.

For any withdrawal in class(es), an adjustment of Financial Aid awards will be made accordingly. Financial Aid recipients who officially or unofficially withdraw from the College may owe a repayment of Title IV funds received. For more information about Financial Aid adjustments, please contact the Financial Aid Office regarding refund eligibility.

Class Cancellations

In the event the College cancels a class section for any reason, the College will notify students via their college assigned email address. The charge for the class will be reversed on the account. If the student has already paid for the class out of pocket, the student will be entitled to a 100 percent refund.
Students may choose from the sections still available to substitute for the cancelled class or may request a refund of the resulting credit on the account.
To register for another section, assistance is available in the Registration and Records office.
CentreTech Campus, Administration Building
Lowry Campus: West Quad, Room 119 Student Service Office

Military Personnel

Active duty members of the U.S. Armed Forces including Military Reservists and members of the National Guard and their dependents stationed in Colorado are eligible for in-state tuition consideration. Under provisions of Colorado law, the college will permit non-resident active duty military personnel, their dependents, and most Veteran students to qualify for in-state tuition. Military personnel are required to notify the Registration, and Records Department each semester they are registered, that they want instate tuition for that specific term. Instate tuition will not automatically be applied without contact with the Registration and Records office each term. For more information, call 303-361-7363.

Students using education benefits through the Department of Veterans Affairs (VA) should contact the Military & Veteran Services Office each semester to ensure required paperwork is on file. Students must complete the Certification Request through the Military Benefits section of MyCCA. The priority deadline to submit the request is three weeks prior to the start of the term to ensure files are reviewed before classes begin; earlier submissions are encouraged to ensure timely processing by CCA and the VA. Submissions typically take 1-2 weeks to review and we will follow-up with you through your CCA email account and the Notifications channel of the Military & Veteran tab on MyCCA.

In compliance with Title 38 of the U.S. Code of Federal Regulations, §3679, prior to the published tuition deadline, students eligible for benefits through Veteran Readiness & Employment and the Post-9/11 GI Bill® must complete a Certification Request and have documentation from VA demonstrating continued eligibility for VA education benefits or their enrollment may be terminated. Acceptable documentation is a recent award letter, Certificate of Eligibility, or a Statement of Benefits from www.VA.gov for students using the Post-9/11 GI Bill or a current electronic authorization from the case manager of students using benefits through VA's Veteran Readiness & Employment program. Provided this information is submitted prior to the tuition deadline, students will be held in classes without any penalty until tuition and fees are paid by VA.

Tuition and fees are reported to VA after the course drop deadline and payments will be applied to student accounts once received by CCA. Failure to successfully complete courses, including failed courses, drops, and withdrawals, may result in a reduction of benefits payable to the student and/or CCA. Students may also be required to reimburse CCA for previously paid benefits if VA requires that CCA return funds. If for any reason VA determines a student is ineligible for benefits, if benefits expire during the term, or if the student isn't eligible at the 100% funding level, the student will be responsible for paying the balance on their account.

Students receiving benefits through Montgomery GI Bill-Active Duty, Montgomery GI Bill-Selected Reserves, or Dependents' Educational Assistance must have pending financial aid, payment in full, or a payment plan scheduled before the tuition deadline to remain enrolled in courses.

Community College of Aurora accepts tuition assistance (TA) through the Department of Defense programs and the Colorado Department of Military and Veterans Affairs. Eligibility for tuition assistance programs is determined by the individual military services. See https://www.dantes.mil/mil-ta for information on current approved tuition rates, application procedures, and information on submitting your approved TA request. Approved TA forms should be submitted to 3rd Party Billing (ThirdParty@CCAurora.edu) by the tuition deadline listed in the schedule booklet, or as soon as you register for classes. Tuition assistance will not be invoiced until after the census date (drop deadline) for classes.

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: http://www.benefits.va.gov/gibill

College Opportunity Fund (COF)

The College Opportunity Fund (COF) provides a stipend to eligible undergraduate students. The stipend pays a portion of total in-state tuition when a student attends a Colorado public college or a participating private college. Eligible undergraduate students must apply, be admitted and enroll at a participating college. The stipend is paid on a per-credit-hour basis to the institution at which the student is enrolled. Courses taken as an audit are not eligible for the College Opportunity Fund (COF) stipend and will be charged at the non-stipend rate. The per-credit-hour amount is set annually by the Colorado General Assembly. Students who did not submit their COF application as a part of the Admissions Application may apply for COF and receive additional information via the Colorado Commission on Higher Education (CCHE) and online at https://cdhe.colorado.gov/students/preparing-for-college/financial-aid-for-students/college-opportunity-fund-cof-stipend. Students must authorize the COF each semester when registering for courses.

Financial Aid

Financial aid is money available to assist students with the costs of attending college. This assistance comes from thehttps://cdhestudentxprod.regenteducation.net/signin federal and state government, the college, and private sources. Financial aid includes

grants, a work study program, student loans, and scholarships. Campus-based work study programs provide part-time employment for eligible students to earn money for their education.

The first step in applying for all types of financial aid is to complete the Free Application for Federal Student Aid (FAFSA) available online at https://studentaid.gov/h/apply-for-aid/fafsa. This application is used to apply for all types of federal, state and institution aid awarded by the college.

To be considered for work study awards, a student must indicate on the FAFSA that he or she wants student employment. The FAFSA is submitted directly to the U.S. Department of Education's central processor.

A confirmation email will be sent once FAFSA is submitted, which will provide the applicant with preliminary information about their aid eligibility. An electronic Institutional Student Information Report (ISIR), duplicating the student's FAFSA Submission Summary (FSS), is then sent to the CCA Financial Aid Office. This ISIR must be processed and will include your official Student Aid Index (SAI) calculation as verified by the college's Financial Aid Office, before a student is eligible for any financial aid funds.

Federal and state grants are available only to students who have not earned a bachelor's or a professional degree. Students can access their financial aid student account through online servicesvia their MyCCA portal.

- Login to www.CCAurora.edu
- Click the Menu drop-down
- Click on the MyCCA link
- Locate the Financial Aid Resources Card

Students that are not eligible to complete the FAFSA have potential eligibility for state-based funds throughout the completion of the Colorado Application for State Financial Aid (CASFA) available online at https://cdhestudentxprod.regenteducation.net/signin

Several scholarships are offered at CCA at various times during the year. Information on private and institutional scholarships, applications, and processing deadlines is available in the Financial Aid Office, CentreTech Campus, Administration Building or online at https://ccaurora.edu/admission-aid/financial-aid/scholarships/

Financial Aid Application Procedures

Students begin the application process when they complete and submit the Free Application for Federal Student Aid (FAFSA) or Colorado Application for State Financial Aid (CASFA) as applicable.. Students are encouraged to complete these applications as early as possible after October 1 for the following aid year Priority for determining financial aid eligibility is given to students whose applications are on file with the CCA Financial Aid Office, and all verification has been completed by these dates:

Fall Semester	May 1
Spring Semester	November 1
Summer Semester	April 1

General Eligibility Requirements

A student must meet the following general requirements to be eligible for federal, state, and/or institutional financial aid programs:

- Be a U.S. citizen, U.S. national or permanent resident or eligible non-resident.
- Be enrolled as a regular student pursuing an associate degree or a certificate in an eligible program.
- Have a high school diploma or a General Education Development (GED) Certificate or proof of completing a state approved home school program.
- Not be in default on a federal student loan or owe a repayment on a federal grant.
- Meet and maintain the college and Financial Aid Standards of Academic Progress requirements.
- Have financial need as determined by the federal financial aid application (FAFSA).
- Be enrolled in courses that apply to student program of study (CPOS)

Awarding Procedures

When all appropriate forms or documents have been received by the college Financial Aid Office, the student's file is considered complete.

Students who have completed financial aid files by May 1 will receive priority consideration for the work-study programs for the following aid year. Failure to meet this priority date may result in some funds not being available to applicants.

The last day to complete a FAFSA is generally June 30 of any given year for the award year, however the FAFSA will need to be completed prior to the end of the semester the student wishes to receive aid for if they will not be returning for the following semester.

The Financial Aid Office initially awards students based on full-time enrollment and is subject to prorate with enrollment changes. After the census date (the last day to add/drop courses), the awards will be adjusted to the actual enrollment level.

Return of Federal Funds

Federal Title IV regulates that a certain percentage of Title IV awarded funds be returned to the U.S. Department of Education or to the student loan lender when a student completely withdraws from all classes. These funds include: Federal Direct Loan and/or PLUS Loans, Federal Pell Grant, and Federal Supplemental Educational Opportunity Grant (FSEOG). The Colorado Student Grant (CSG) is not affected by this requirement.

If a student drops a class that has not started and has had their Title IV federal funding disbursed, aid is reduced to reflect the new enrollment status. All charges (e.g. tuition, books and supplies) will then be deducted from the total amount of the award and any credit balance remaining will be processed within 14 days of the adjustments. The credit will be issued via student's Bank Mobile preference.

Students receiving all "F" grades are unofficially withdrawn from classes. Financial aid students who drop out without notifying the institution are considered having withdrawn at the last date that the student attended class.Students may owe the college for charges no longer paid by financial aid.

For more information about the procedure called Return of Title IV Funds and how returns are calculated, contact the Financial Aid Office, CentreTech Campus, Administration Building, Room A103.

Maintaining Eligibility

To maintain eligibility for financial aid, students must comply with the federal, state, institutional, and/or donor rules and regulations that apply to the financial aid awards.

Students must continue to meet eligibility criteria and must reapply for financial aid in a timely manner each academic year. If a student withdraws, drops or changes from credit to audit status, the student may be required to repay a portion of the financial aid received. Students should check with the CCA Financial Aid Office before changing enrollment status.

Students receiving need-based financial aid must maintain satisfactory and measurable academic progress each semester.

Maintaining Eligibility

Each institution that receives Title IV funds is required by the U.S. Department of Education, Section 132 of the Higher Education Amendment of 1976, to define and enforce standards for satisfactory academic progress. Satisfactory academic progress measures a student's performance in the following three areas: completion rate, grade point average (GPA), and maximum time frame. The Financial Aid Office is responsible for establishing and monitoring a standard of "satisfactory academic progress" for continuation of financial aid eligibility. The full policy is available online at https://ccaurora.edu/admission-aid/financial-aid/compliance-policies

Standards of Satisfactory Progress Requirements and Procedures (Financial Aid Satisfactory Academic Progress Policy)

Each institution that receives Title IV funds is required by the U.S. Department of Education, Section 132 of the Higher Education Amendment of 1976, to define and enforce standards for satisfactory academic progress. Satisfactory academic progress measures a student's performance in the following three areas: completion rate, grade point average (GPA), and maximum time frame. The Financial Aid Office is responsible for establishing and monitoring a standard of "satisfactory academic progress" for continuation of financial aid eligibility. The full policy is available online at https://ccaurora.edu/admission-aid/financial-aid/compliance-policies/.

Information Regarding Financial Aid

Further information about financial aid scholarships and loan applications, rules and regulations governing programs, application procedures, payment procedures, and costs of attending the college is presented in the Financial Aid Handbook. This document is available online at https://ccaurora.edu/admission-aid/financial-aid/compliance-policies/

ADVISING AND REGISTRATION

Advising

Advisors are available to assist students with choosing the best degree and or certificate that fits their interest and academic/career goals. Advisors will work with students to create an academic success plan(s) to complete their degree/certificate, and or transfer to a 4-year institution. Advisors will provide students with information about degree programs and courses offered; guidance on selecting classes, and assistance with creating a class schedule for each semester.

Students can meet with their advisor:

- In-person
- Virtually
- Phone

Students can select their preferred meeting type using CCA Navigate in MyCCA.

If students do not have an advisor assigned to them or do not know who their advisor is, they can call 303-360-4929 or email advising.cca@ccaurora.edu

Registration

In advance of registration opening each semester, CCA publishes a schedule of course offerings online.

Late Registration

To promote student success, CCA strongly recommends that students plan in advance for the courses in which they enroll. After classes start, registration for full-term classes is not permitted after the self-registration deadline passes and students will be referred to accelerated, second session, and late start courses. Accelerated course registration is not permitted after the start date of the course. For further information, call Registration and Records at 303-360-4797.

Schedule Changes

Students may change their schedules (add/drop) after they have registered, until the start of the course. Below are the general policies related to change of schedule:

1. The drop period extends from the beginning of registration through the refund date published on the Student Detailed Semester Schedule obtained in their MyCCA account. Students may only add classes through self-registration deadline. After the self-registration deadline has passed, registration is not permitted and students will be referred to accelerated, second session, or late start courses. See the Registration and Records Office, CentreTech Campus, Administration Building, or the Student Services office, Lowry Campus, West Quad, for deadlines on classes that are not semester long.
2. Students will be assessed additional tuition and fees if credit hours added exceed hours dropped.
3. Students may add/drop through online registration, in the Registration and Records Office, CentreTech Campus, Administration Building, Room A118, or in the Student Services office, Lowry Campus, West Quad.

Credit Hour Overload

Students may be allowed to register for more than 18 credit hours for the fall and spring semester and 15 credit hours for the summer semester if they have approval from an Advisor; this is dependent upon a GPA of 3.25 and evidence that the student can succeed.

Drop for No Show

Although it is ultimately the responsibility of a student to drop a class that they do not plan to attend, CCA faculty members may report students who have not attended or submitted course assignments (exams, discussions, assignments, etc.) as a "No Show" which will cause the student to be dropped from the class for the semester. To avoid being dropped, please plan to attend the early sessions of your class(es) and ensure that you meet all assignment deadlines. Contacting your instructor prior to the drop with refund deadline (census), is not valid attendance/participation. If you were dropped for no-show or non-participation, you will not be permitted to reenroll in that course and will be referred to accelerated or late start course options, if available.

Depending on course delivery method a no show is a student who has never attended a course and/or has not submitted a content based assignment. Class introductions or logging into the course online, is not considered participation.

MY STUDENT RECORD

The Registration and Records Office has responsibility for maintaining your student record to include course registration, declared degree or certificate program, grades, tuition classification, transfer credits, graduation processing, and production of your academic transcript.

Account Information

Address, Phone, and Student Email

It is the responsibility of students to update their current addresses, telephone numbers, and email addresses through their MyCCA account or in the Registration and Records Department. If students are also employees of the Colorado Community College System, address changes must be made in person at the appropriate human resources office.

The Community College of Aurora will assign you a student email account after you register for your first course. Please activate that email address as soon as possible and check it frequently. Your college assigned email account is the official method of communication about your student information at CCA.

Degree and Certificate Changes

Before changing or adding certificates or degrees, it is recommended that you first consult with your advisor to ensure the correct certificates and degrees are being selected, as changing programs may delay graduation/transfer and could impact Financial Aid eligibility. There are some certificate programs which are not eligible for Financial Aid.

Changes or adding certificates or degrees, must be made prior to the drop deadline for the semester. If you are seeking Financial Aid, you must be in an Financial Aid eligible certificate or degree to receive Financial Aid. If not in an eligible program by the drop deadline, you may become ineligible for Financial Aid for the term. Please consult your advisor or Financial Aid prior to the beginning of the term.

Students enrolling at the Community College of Aurora will follow the provisions of the catalog in use at the time of admission. When students interrupt their continuous attendance at CCA for three consecutive terms, or change their degree or certificate program, they will become subject to the provisions of the catalog current with their next enrollment.

Withdrawing from a Class

Once a student has registered for a course, the college reserves space with the assumption that the student will complete the course. If unforeseen circumstances occur, the student can officially withdraw in person in the Registration and Records Office, CentreTech Campus, Administration Building, Room A118, and Student Services office, Lowry Campus, West Quad, Room 119, or online through MyCCA. Withdrawn courses will remain on the student's record and official transcript at CCA with a grade of "W". Students who do not officially withdraw or withdraw after the withdraw deadline will receive a grade of "F" on their permanent records. No refund is given for a course withdrawal which occurs after the published refund date and before the withdraw deadline.

Grading

Student achievement is evaluated in relation to the attainment of specific course objectives. Achievement means successfully reaching an established level of performance. Levels of performance are indicated by alphabetical letters. These letter grades are recorded on the student's permanent transcript.

Explanation of Grading Structure

Grading Symbols Currently in Use:

Grade	Description	Grade Points
A	Excellent or Superior	4
B	Good	3
C	Average	2
D	Deficient	1
F	Failure	0
F	Fail (when course is offered with a pass/fail option)	NGPA
I	Incomplete	NGPA
P	Pass	NGPA
P/A	Passing (A-level) work in a developmental course	NGPA
P/B	Passing (B-level) work in a developmental course	NGPA
P/C	Passing (C-level) work in a developmental course	NGPA
F/D	Non-passing (D-level) work in a developmental course	NGPA
F/F	Non-passing (F-level) work in a developmental course	NGPA
I/F	Incomplete for developmental courses (Rolls to F/F if not completed within required time period)	NGPA
AU	Audit	NGPA
W	Withdrawal	NGPA
WD	Withdrawn administratively for cause	NGPA
WX	Withdrawn administratively through appeal (no fault)	NGPA
PLA	Prior Learning Assessment	NGPA

Placeholders:

SP	Satisfactory Progress	NGPA
Z	Grade not yet reported	NGPA
CNG	Conversion - No Grade	NGPA

Grading Symbols no longer in use effective Summer 2021

S	Satisfactory	NGPA
U	Unsatisfactory	NGPA
S/A	Satisfactory (A-level) work in a developmental course	NGPA
S/B	Satisfactory (B-level) work in a developmental course	NGPA
S/C	Satisfactory (C-level) work in a developmental course	NGPA
U/D	Unsatisfactory (D-level) work in a developmental course	NGPA

U/F	Unsatisfactory (F-level) work in a developmental course	NGPA
I/U	Incomplete Developmental Course	NGPA
AW	Administrative Withdrawal	NGPA

Grading Symbols no longer in use effective Summer 2015:

CPL	Credit for Prior Learning	NGPA

NGPA - Not Counted in GPA

I-Incomplete-The "Incomplete" grade is a temporary grade and is designed for students who, because of documented illness or circumstances beyond their control, are unable to complete their course work within the semester, but have completed a majority of the course work (defined as at least 75% of all course assignments and tests) in a satisfactory manner (grade C or better).

If circumstances beyond the student's control prevent the student from completing a test or assignments at the end of the term, then it is the student's responsibility to initiate the request for an "Incomplete" grade from the instructor. The instructor will determine whether the student has a reasonable chance of satisfactorily completing the remaining course activities in a timely manner.

In requesting an "Incomplete" grade, the student must present to the instructor the documentation of circumstances justifying the "Incomplete" grade. The instructor will submit an Incomplete Grade Contract which will be processed by the Registration and Records office. Once an Incomplete Grade Contract is processed by the Registration and Records office, the student will receive an email with the details of the Incomplete Contract and the due date to their College issued Student Email account. Another email is automatically sent to the Distance Learning Department who will program D2L to remain active until the Incomplete Contract deadline has passed. If the course requirements are fulfilled by the student, the Instructor must submit a Grade Change to update the student's grade in a timely fashion.

Students are encouraged to let instructors know, as soon as possible, if they are having difficulties with any part of the course. If the student and instructor cannot reach a resolution concerning an Incomplete grade, then the student should contact the instructional department chair or dean of academic affairs.

Incomplete grades which are not converted to a letter grade by the instructor after one subsequent semester (not including summer semester) will revert to a "default" grade assigned by the instructor. The default grade is the grade earned if no work on the Incomplete Grade Contract is submitted.

AU-Audited courses are not eligible for the COF stipend and this grade is not certifiable to the Veterans Administration.

Military personnel and emergency management officials who are required to go Temporary Duty (TDY) in the middle of a term should contact their instructor for special consideration. Documentation of official TDY assignment is required and special arrangements must be approved by the Vice President of Academic Affairs.

Grade Point Average (GPA) Calculation

Grade points indicate the achievement of the student for the number of credits completed. To calculate a grade point average, multiply the credits by the points for the grade earned, total the credits and points, and then divide the grade points by the credits.

Sample

Course	Description	Credits	Grade	Points
ANT 1001	Cultural Anthropology	3	A	12 (3x4)
BIO 2101	Human Anatomy & Physiology I	4	A	16 (4x4)
CSC 1019	Intro to Programming	3	B	9 (3x3)
ENG 1021	English Composition I	3	D	3 (3x1)
PSC 1011	American Government	3	F	0 (3x0)
Total		**16**		**40**

Grades awarded for developmental courses will not be included in a student's grade point average (GPA). Grading for developmental courses will utilize the developmental grade mode (S/A, S/B, S/C, F/D, F/F). The credits will count toward earned and attempted credits. GPAs for term recognition such as President's List, Vice President's List, and Dean's List will not include developmental courses in the calculation.

Courses transferred to CCA from other colleges appear on the official transcript and fulfill course requirements when they align with a degree or certificate program, but do not impact the grade point average at CCA. Your grade point average at CCA is based only on the courses taken at CCA.

Total grade points divided by total credits equals the cumulative grade point average. Therefore, the grade point average for the above example would be 40 divided by 16, or 2.50.

A = 4 grade points • B = 3 grade points • C = 2 grade points • D = 1 grade point: • F = 0 grade points

Grade Appeals

The student must initiate appeals regarding final grades within 60 calendar days after the end of the semester in which the grade was awarded. Before making an appeal, the student should first discuss the grade with the instructor, then, if necessary, with the department chair. If there is no resolution, the student can appeal the grade by submitting a written statement to the division dean of academic success explaining the problem. The dean will investigate and respond in writing within 15 business days.

Academic Excellence

Recognition of Academic Excellence

Official college transcripts will note the following:

Graduation Honors

Graduation honors recognize outstanding academic achievement throughout a student's academic career at the Community College of Aurora. The honors are awarded to students who complete the requirements for an associate degree and who earn a 3.5 or better grade point average in that program. Honors are designated as follows:

- Summa Cum Laude - with highest honor - 4.00 cumulative GPA
- Magna Cum Laude - with great honor - 3.75 to 3.99 cumulative GPA
- Cum Laude - with honor - 3.50 to 3.749 cumulative GPA

Honor Society

Membership in Phi Theta Kappa -cumulative GPA of 3.5 or above, with a minimum of 12 semester hours in residency at CCA.

Semester Honors

Honor designations are noted on transcripts each term to students who complete a minimum of 6 semester GPA producing credits at CCA with a 3.5 or better GPA for the term. Term honors are designated as follows (note: prior to the summer of 2021, 12 semester hours were required in the term to earn an honors designation):

- President's List - GPA of 4.0
- Vice President's List - GPA of 3.75-3.99
- Dean's List - GPA of 3.5-3.749

Honors Program

Community College of Aurora offers honors options for students who want additional educational challenges. Courses can be taken for honors credit, and students can earn honors distinctions upon graduation. Honors courses must be college-level; courses numbered 1000 and below cannot be taken for honors credit. Students can opt to take selected courses for honors credit on a case-by-case basis by contracting with an instructor.

Academic Progress

CCA has policies and standards to help students know what to expect of CCA and what CCA expects of students. The following is a summary of the information students need to know. An advisor can help students understand these policies, standards and rights as a CCA student.

Academic Standing

Academic Standing describes a student's successful progression with respect to maintaining progress toward their degree or certificate program. Academic Standing applies to all students who have completed 9 or more credits at the Community College of Aurora. CCA will determine Academic Standing following the posting of the majority of term grades for each semester, and academic standing may be recalculated based on late or adjusted grades. For students who have completed fewer than 9 credit hours, the College will monitor satisfactory academic progress through an Academic Alert process. These students are not subject to Academic Standing.

Academic Standing values include the following:

- **Initial Standing** – Student has completed fewer than 9 cumulative credit hours with a cumulative GPA greater than or equal to 2.00 for all classes completed.
- **Academic Alert** – Student has completed fewer than 9 cumulative credits with a cumulative GPA less than 2.00 for all classes completed.
- **Good Standing** – Student has completed at least 9 cumulative credit hours and has a cumulative GPA greater than or equal to 2.00 for all classes completed.
- **Performance Support** (Previously called Academic Probation)– Student has completed at least 9 cumulative credit hours and has a cumulative GPA less than 2.00 for all classes completed.
  - By the conclusion of the Performance Support term, the student must raise their cumulative GPA to at least 2.00. If this condition is met, the student returns to Good Standing. Otherwise, the student will be Performance Improving or on Academic Suspension as outlined below.
- **Returning Support** - Student is returning from Academic Suspension.
  - By the conclusion of the Returning Support term, the student must raise their cumulative GPA to at least 2.00. If this condition is met, the student returns to Good Standing. Otherwise, the student will be Performance Improving or on Academic Suspension as outlined below.
- **Performance Improving** (Previously called Probation Continuing) – If a student on Performance Support or Returning Support earns a term GPA of at least 2.00 for all classes completed during the term but fails to raise their cumulative GPA to at least 2.00 for all classes completed, the student will be allowed to attend the next term as Performance Improving.
  - As long as the student continues earning a term GPA of at least 2.00 during each term, they will be permitted to continue attending. The student will remain on Performance Improving until the cumulative GPA is at least 2.00, at which time they will return to Good Standing.
  - If the student does not earn a term GPA of at least 2.00 while on Performance Improving, they will be placed on Academic Suspension.
- **Academic Suspension** – If a student on Performance Support, Returning Support or Performance Improving earns a term GPA of less than 2.00 for all classes completed during the term, the student will be suspended and will not be allowed to enroll at CCA for the next term unless an appeal is approved. The student may be dropped from all registered courses for an upcoming term at the College based on the College's procedures.

Academic Suspension: All academic suspensions are for one term only. If a student who has served a suspension wishes to return, the student will be allowed to re-enroll only after meeting with an academic advisor. The student will be placed on Returning Support for their return semester. Students suspended from one College are not suspended from other Colleges within the System.

Appeals Process: Students placed on Academic Suspension will be notified of their status and given the opportunity to appeal. Students must appeal their suspension based on procedures developed by the College issuing the suspension in order to continue enrolling at that College. Each College's appeal process should incorporate an element where the student demonstrates what has changed and why they will perform better in the future. Appeal consideration will be based on statements and documentation as submitted by the student. College processes for approving or denying appeals must be based upon objective factors.

If the College approves an appeal, appeals for subsequent Academic Suspensions should address why the student was unsuccessful on the prior appeal, and what additional measures have been taken to ensure success.

If the student's suspension appeal is approved, the student will be placed on Returning Support.

Repeated Courses

Most courses, provided they are still offered at CCA, may be repeated for a higher grade. Full tuition is charged for repeated courses. The grades for both the initial class and the repeated class will appear on the transcript; however, only the higher grade will be used in the GPA calculation. Repeated courses apply only once to degrees and certificates and Financial Aid will not pay for repeated courses that have already been completed with a passing grade.

Academic Renewal

The purpose of academic renewal, also known as academic forgiveness, is to allow a student the opportunity to remove a maximum of 30 semester credit hours of poor academic performance from the grade point average (GPA) calculation, after a two year period of non-attendance and successful academic performance upon return to CCA.

Academic renewal applies only to courses taken at CCA and may be awarded only once. The original grade and credit hours remain on the permanent academic transcript and the number of credit hours is deducted from the student's remaining College Opportunity Fund (COF) hours. A notation on the transcript indicates that the academic renewal has been awarded and the grade point average has been adjusted. Once

academic renewal is granted, it is irreversible. Credit excluded from the GPA calculation cannot be used to satisfy the requirements for completion of a CCA certificate or degree.

Students applying for academic renewal must complete the Academic Renewal Application form available from the Advising Office, CentreTech Campus, Administration Building, or Lowry Student Services, West Quad, Room 119.

The following conditions must be met to apply for academic renewal:

1. The student must have two years of non-attendance at CCA to apply for academic renewal.
2. The student must complete six semester credit hours upon returning to CCA with grades of C or better before applying for Academic Renewal.
3. The academic renewal form must include an advisor's or Assistant Registrar's signature. A student concerned about a poor academic record is encouraged to meet with an advisor to discuss CCA's other academic progress options and strategies for academic success.
4. Applies to only D and F grades.

The academic renewal policy is applicable only to the Community College of Aurora. Other institutions receiving a CCA transcript for transfer of an academic renewal are not bound by this college policy and may choose to calculate the student's transfer GPA to include all grades, even those excluded by CCA under this policy.

Students applying for academic renewal are responsible for investigating the impact of this process on their admissions at transfer institutions, financial aid grant and loan limits, remaining COF stipend eligible hours, Veterans Affairs benefits, and other agencies that limit credits attempted. For clarification of the scope and definition of this policy, contact the Registration and Records office, CentreTech Campus.

Veterans Standards of Academic Progress

Academic Standards of Progress, as described in this section, apply to all CCA students, including those receiving education benefits through the Department of Veterans Affairs. If a student is suspended from school due to lack of academic progress while receiving VA benefits, benefits will be terminated for the length of the suspension and the student may need to appeal with VA to have benefits reinstated.

Transfer and Transcripts

Transfer Credit Evaluations

Transcripts will be evaluated on a course-by-course basis. Transfer course outcomes from the transfer institution will be evaluated and matched to equivalent courses taught at CCA or within the Colorado Community College System. CCA will transfer in ALL courses regardless of applicability to your declared program, prior courses are a part of the students' academic history. Additional transfer guidelines are listed below.

- Grades of "C" or better will be accepted in transfer.
- Per the Colorado Department of Higher Education, all guaranteed transfer (GT) courses will be accepted for 10 years from the semester the start of the semester they were taken. All other courses and out of state classes will follow the timelines decided by the specific departments based on how quickly course material and the field the course resides in changes.
- Below are the time frames for non-GT courses and for out of state courses:

Arts & Humanities, English, History, Social & Behavioral Science	Accepted Indefinitely
Math	20 years
Education, Science	7 years
Accounting, Computer Information Systems, Computer Networking, Computer Science	5 years
Paralegal	10 years
Emergency Medical Services, Nursing, and Health Professional	2 years or department review of credentials

All courses not covered by this process will be evaluated by the Credentials Evaluator and exceptions will be at the discretion of the academic department where the course lies.

To initiate the evaluation process, students should send official transcripts, directly from their prior college or university. CCA will generally evaluate credits earned from regionally accredited colleges and universities.

Mailing Address:

Community College of Aurora

Attn: Credentials Evaluator

16000 E. CentreTech Pkwy.

Aurora, CO 80011

Email Address:

records.cca@CCAurora.edu

The Credentials Evaluator will transfer in appropriate courses after students have completed all of the following:

- Complete an Admissions Application and declare the desired degree/certificate
- Speak with an academic advisor for a review of your unofficial transcripts
- Please visit www.CCAurora.edu/transfer-in for transfer details.

Students with college credit outside the United States are strongly encouraged to speak with their academic advisor or the Credentials Evaluator before sending those transcripts.

International transcripts must first be evaluated/translated by a NACES member and sent directly from NACES to be considered official. For more information about NACES, go to https://www.naces.org/

Please note: To graduate from CCA, students are required to take 25% of the credit hours in their program at CCA regardless of the number of credit hours transferred in.

Once a class is transferred into CCA it becomes a part of your academic record and will not be removed from the record.

It is the responsibility of the student to provide all required documents. Credits are evaluated and posted to the student record within 30 days of receipt. Notification of the completed evaluation will be sent to student emails. Students may also review their transfer credits through Degree Check by going to www.ccaurora.edu, logging into their MyCCA account, and then clicking on the Student Grades and Records Card. Documents become the property of the college and will not be released to the student or transferred to other institutions.

If you wish to appeal the evaluation results, you must notify the Credentials Evaluator in writing within 30-days from posting.

Transcript Requests

The Registration and Financial Aid, One-Stop office, located at the CentreTech Campus, Administration Building maintains student records and provides official transcript request support. Students may request that a copy of their Community College of Aurora transcript be sent to another college, or to an employer by requesting a transcript through MyCCA, or via the Transcripts/Diplomas link on CCA's website. The college encourages all students to request electronic delivery of their transcripts for both fast delivery and the lowest cost.

ACADEMIC MATTERS

Commitment to Academic Excellence

The pursuit of Academic Excellence is an important priority at the Community College of Aurora, and we expect all students to demonstrate care and quality in their academic pursuits. Learning how to express original ideas, cite sources, work independently, and share results accurately and honestly are transferable skills for students beyond their academic career.

Maintaining academic excellence involves working with integrity:
• Creating and expressing your own ideas in course work
• Acknowledging and citing all sources of information
• Completing all work independently and/or with approved collaboration
• Sharing results accurately when conducting your own research or working in a laboratory
• Complying with all test and examination expectations and requirements

Behavior that violates academic integrity undermines the pursuit of academic excellence, and includes, but is not limited to:

• Plagiarism. The act of using someone else's work without giving proper credit to the original source. The work can be expressed, for example, through writing, art, music, language and symbols, media, or a presentation. Reusing your own work without proper citation (or approval of instructor) is also plagiarism.

• Cheating. The act of using or attempting to use an examination or other academic work, material, information, or study aids which are not permitted by the instructor.

Cheating includes, but is not limited to:
•Using books, notes, calculators, or any other electronic devices, or copying from or conversing with others in the completion of academic work (unless such external aids are permitted by the instructor).
• Having someone else do research, author papers, or take examinations for someone else.
• Submitting work completed in one class to fulfill an assignment in another class without prior approval from the instructor(s).
• Contract Cheating: a third party (i.e., GitHub, Dropbox, stack Overflow, Chegg, Quizlet, Clutch, Course Hero) completing a student's academic work. This can include friends and family completing work for a student or the use of test banks, drop boxes, and/or paid subscription services as well as stealing, distributing, selling, and buying academic work.
• Having someone or an artificial intelligence (AI) tool complete academic work on your behalf.

• Fabrication. The invention of material or its source and its use as an authority in academic work. Fabrication includes, but is not limited to, inventing the data for a scientific experiment; inventing the title and author of a publication in order to use the invented publication as a source; or knowingly attributing material to an incorrect source.

Academic Integrity Process for Students
When there is a potential violation of academic integrity, the student must be provided with due process, a right grounded in the Fifth Amendment to the United States Constitution. This right allows the student to receive notification and to share their perspective with a college representative(s) on the allegation at hand. By doing so, the process for resolving potential violations of academic integrity can be both educational and restorative for the student and the CCA community.

To access the full guideline related to academic integrity, including the process for potential violations of academic integrity for students, please visit
https://ccaurora.edu/wp-content/uploads/2023/06/CCA-Guidelines-06.06.2023.pdf

Transferability of CCA Credit

Students who complete an Associate of Arts (AA) or an Associate of Science (AS) degree program at a Colorado public community college have a distinct advantage over other transfer students.

These degrees are designed to transfer into baccalaureate degree programs in Colleges of Liberal Arts and Sciences with junior standing for most majors at Colorado public four-year colleges, if students earn a C grade or better in all courses. Certain majors require essential lower-division prerequisites. Students need to see an advisor and consult the transfer guide for assistance in selecting lower-division credits that will apply directly toward the baccalaureate degree. Information on statewide guaranteed courses is available online at https://cdhe.colorado.gov/students/attending-college/credit-transfer. Credit earned through advanced placement, credit for prior learning, correspondence courses, CLEP, and other tested-only credit may not be applicable; the institution to which students transfer will evaluate these credits according to their own policies.

CCA has articulation agreements with many of the private four-year institutions in Colorado as well, and many of these colleges accept 60 to 90 or more credits from CCA. For more information, contact an advisor at the CentreTech campus, Administration Building, Room A102 or Lowry Campus West Quad, Room 119.

If students follow the transfer guide for a specific degree program, their courses will apply toward the graduation requirements in their majors. Students who do not complete an AA or AS degree may transfer their credits to four-year colleges on a course-by-course basis. Transfer guides can be found on the Colorado Commission on Higher Education's website at http://highered.colorado.gov/Academics/Transfers/Students.html.

Note: Some Colorado colleges and universities have special scholarship programs designated for community college students who complete an AA or AS degree. Contact an advisor for more information.

To learn more about these opportunities, contact the transfer coordinator or Admissions Office at the chosen institution as soon as possible to start the transfer planning and financial aid process.

Academic Transfer

The associate of arts and associate of science degrees are transferable to most Colorado public and private 4-year baccalaureate degree-granting institutions. Colorado's agreement between public colleges and universities guarantees that any student who graduates from CCA with an A.A. or A.S. completing 60 credit hours and earning a grade of "C" or better, may transfer to a public baccalaureate program with a liberal arts and sciences major.

Statewide Designated Degree Programs

Start here. Finish there. Students who earn an associate degree at CCA in a designated degree program and who meet admission requirements can transfer to a public Colorado college or university as a junior in that designated field of study.

Guaranteed Course Transfer

Colorado has developed a statewide guaranteed transfer program called "gtPATHWAYS." This program ensures that certain courses at the college are guaranteed to transfer to any public college or university in Colorado

as long as the courses are less than 10 years according to the Colorado Department of Higher Education. Students should contact an advisor at the earliest opportunity to review appropriate transfer guides.

An AA or AS Degree will Transfer to all Colorado Public Four Year Colleges and Universities

If you

- complete your AA or AS degree, including 35 credits of state-guaranteed general education courses (gt pathways), and
- earn a C grade or better in each course

Then

- at least 60 hours of your AA/AS degree will transfer completely, upon admission, to a baccalaureate liberal arts and sciences major in Colorado's public four-year institutions*

AND

- You are guaranteed to be able to finish your liberal arts and sciences baccalaureate degree in just another 60 hours.

Transfer credits, earned for prior learning, Advanced Placement, correspondence courses, CLEP and other tested-only credit may not apply. The transfer institution will evaluate these credits according to its own policies.

A list of guaranteed majors is available at: https://cdhe.colorado.gov/students/attending-college/credit-transfer.

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Attendance

Regular class attendance, active participation in class sessions, and engagement with instructors and peers are some of the elements that directly impact academic success. At the Community College of Aurora, students are expected to attend all class sessions regardless of their delivery method (face-to-face, online, remote, etc.) and they are not excused from required course work due to absences or lateness.

Attendance Policy

Instructors provide their course's attendance policy on the first day of class, which allows students to make informed decisions about their ability to meet the course requirements. The students are expected to communicate any foreseeable and unforeseeable conflicts to the instructor as early as possible to address alternative assignments or submission dates. If the length of the absence will be longer than one week, the instructor and student will determine whether there is sufficient opportunity for the student to make up the work.

Absences

Instructors do not count absences due to jury duty or subpoena activities; religious, spiritual or cultural observances; military commitments; pregnancy and parenting; some health situations; etc. against the number of absences allowed. However, in programs with special accreditation requirements, attendance expectations may be enforced by the accrediting organization and be beyond the control of the instructor.

Student attendance is recorded by the instructor from the first day of class and officially reported to the College at the end of the course. Students who do not attend any class before the course's Census day will be dropped from the course by the instructor. Students who receive financial aid or other type of financial support should consult with the College's Financial Aid representatives or other support provider to receive information on the financial impact of dropping or withdrawing from the course, which may impact eligibility for future financial awards.

Who Can Attend Class

Only students registered for the course may attend that class, except for trained interpreters and other support people approved by the Director of Disability and Equity when appropriate. Those interested in only auditing the class must register for the class and pay tuition. The College

extends the privilege of students bringing their children in the classroom (never in science labs, simulation labs, film/video studios, construction sites, police and fire academy facilities, or any place a potential hazard could exist) on a limited and infrequent basis. This privilege may be revoked at the discretion of the instructor at any time.

Developmental Classes for College-Level Work

In order to help ensure success in college-level courses, students should have developed basic skills in reading, writing, and mathematics. If the required assessment process indicates that a student does not have the necessary English, reading, or mathematics skills to succeed in college-level work, the student will enroll in college preparatory courses in these areas.

All pre-college work must be successfully completed within the first 30 semester hours at CCA. Although students receive grades and earn credit for pre-college level work, the credit does not apply toward the completion of a degree or certificate, and does not impact the GPA.

Prior Learning Assessment

Your industry certifications, military or other professional training and experience, and certain AP and IB scores from high school may qualify you to get college credits or allow you to skip certain courses as you progress in your program.
Through a process called Prior Learning Assessment (PLA), students who are enrolled at CCA and have declared a program of study may choose to demonstrate knowledge and skills that match required course competencies and receive college credit for what they know, eliminating the need to take certain classes. Students may request PLA credit for any course listed in the CCA course catalog and will be awarded credit for demonstrating mastery (meet or exceed "C" level work, or "B" level work where required by industry for certification) of the learning outcomes for the course.
Different ways to pursue PLA include:

Exams
Portfolio
Exam scores such as from Advanced Placement (AP), International Baccalaureate (IB) classes, the College Level-Examination Program (CLEP) or a CCA-created exam may count for PLA credits. A portfolio is a personalized set of materials you assemble to demonstrate in-depth knowledge and skills gained through work or community experience.
Military or Work-based Training
Industry Certifications and Licenses
Boot camp, basic training, officer training school and other military training; training received through work, including apprenticeship programs, may be recognized for college credit. Current industry certifications and licenses such as OSHA and many in IT fields may be applied directly toward matching courses.

To learn more and explore your credit for prior learning options, visit the sections noted above as well as our frequently asked questions (FAQs). You may also talk to your advisor or reach out the to department chair for the course for which you want to request credit. We are here to help! Exams used to assess potential for PLA credit include standardized exams and exams created specifically for CCA courses.

Portfolio Review

A portfolio is a collection of evidence that demonstrate your mastery of the competencies for the course for which you are applying to earn credit. Examples of evidence or ways you may be asked to verify the knowledge and skills highlighted in your portfolio may include:

Training records: If you have completed training through non-traditional methods or the work-place, you may provide documentation for this training. Documentation may include a lesson plan or the training content/competencies provided, dates of attendance, and/or other evidence of learning. You may also be required to include evidence of successful achievement of knowledge or skills, such as proficiency exam scores or internal certification documents.

Work products: You may consider including work products – such as: design samples, a comprehensive report or manual, a website or computer program - to support your request.

Competency demonstration: For some course competencies, you may be asked by the department evaluator to demonstrate your skills. The evaluator reviewing your portfolio will determine which skills must be demonstrated and will inform you of the acceptable locations and methods – such as, via video, on site, or through a third-party evaluator.

Oral interview: The Content Expert/Evaluator may contact you for a verbal discussion of your portfolio as a supplement to the written information provided.

Portfolio reviews are charged a fee per course credit. Check the CCA PLA Credit Crosswalk for current costs.

To initiate the portfolio review process, contact the department chair for the course for which you wish to develop a portfolio. The department chair will guide you through the process.

Military Training

Credit for knowledge and skills gained in the U.S. Military is recognized based on the American Council on Education (ACE) Military Guide.

Military training classified by ACE in the vocational category is not considered college level and will not directly translate into college credits. If you wish to have military training in the vocational category considered for college credits, you may use the portfolio review or challenge exam.

For Army, Coast Guard, Marine Corps, or Navy personnel, the Joint Service Transcript (JST) will be evaluated for applicable transfer credits, based on ACE recommendations and the declared degree or certificate. For Air Force personnel, credits from the Community College of the Air Force transcript (CCAF) will be evaluated for applicable transfer credits.

Active service members or veterans may request a copy of their JST on the Department of Defense website. The JST eliminates the need for the DD Form 295.

Non-Military Students

Students with previous work-based training, who are not active military or a veteran, may review the CCA PLA Credit Crosswalk to determine if any, of their previous work-based training can be considered for college credits.

Once you have identified your PLA options, please meet with your academic advisor to submit a CCA PLA Request form.

The Credentials Evaluator will process the request within 30 days of receipt. For questions about credentials submission, you may contact the Credentials Evaluator at records.cca@ccaurora.edu.

Challenge Exams

In addition to standardized exam options, you may also request a course "challenge" exam developed by CCA faculty. These exams are called "challenge" exams because you are requesting the opportunity to demonstrate through a comprehensive examination that you have the knowledge and skills to pass the course without completing the learning activities required in the course. A challenge exam covers all of the content and learning objectives of the course for which you are requesting PLA credit, and may include a skills demonstration.

Challenge exams are charged a fee per course credit for each exam attempt with a maximum of two exam attempts per course per semester. Check the CCA PLA Credit Crosswalk for current exam costs.

To initiate the challenge exam process, contact the department chair for the course you wish to challenge. The department chair will guide you through the process.

Industry Certifications and Licenses

If you hold current industry certifications or licenses, you may be able to get equivalent course credit. Some certifications and professional licenses – such as, OSHA 10, Google IT Professional certificate, CompTIA certifications, certified nurse aid, to name a few – have already been recognized by CCA and aligned with specific courses to award PLA credit. Check the CCA PLA Credit Crosswalk for a list of predetermined PLA options for industry certifications and licenses, and the associated courses.

If your industry certification, professional licensure, or apprenticeship program is not included on the CCA PLA Credit Crosswalk, please contact the departmental chair for the course for which you are requesting PLA credit. The department chair will determine if the certification, licensure, apprenticeship program or workplace skills are eligible for immediate PLA credit recognition or if an exam or portfolio review process is required.

Typically, there is no charge for credits awarded for current industry certifications and licenses. For additional information and to initiate this PLA option, contact the department chair for the course for which you are requesting credit. The department chair will guide you through the process.

Standardized Exams

CCA will award college credit through the PLA process if you receive the minimum required score noted in the CCA PLA Credit Crosswalk on any of the following standardized exams.

Advanced Placement Test (AP) and International Baccalaureate (IB)
If you completed Advanced Placement (AP) and/or International Baccalaureate courses in high school and received the required minimum test score, you can apply to receive college credit for those courses.

College-Level Examination Program (CLEP) and DSST Examination Program
The College-Level Examination Program (CLEP) and DSST Examination Program (formerly known as DANTES) are two widely recognized national credit-by-examination programs. CCA accepts scores from both programs. For additional information on available exams, fees and to register for an exam, check out the CLEP and DSST websites.

CLEP exam vouchers must be purchased through the CLEP website. DSST exam vouchers may be purchased directly from the CCA Testing Center. Once you pay for and receive your exam voucher, you may contact the CCA Testing Center (Testing@CCAurora.edu or 303-360-4948) to schedule a time to take your exam. Please note that an additional proctoring fee of $25 is required for exams taken at the Testing Center. Payment may be made at the Cashiers Office with cash, check or credit and must be made prior to taking your exam.

For additional information about available standardized exam options, costs and registration processes, check out the CCA Testing Center webpages.

Frequently Asked Questions

How does PLA save me time and money? If you receive PLA credit, you don't have to enroll in the course for which you requested PLA credit. Credits for the PLA-related course are entered on your transcript and count towards the credits required for your targeted certificate or degree program. This frees you up to take other required courses instead, and saves you money for tuition and fees from the course you didn't have to take.

How do I get started with PLA credit? Your first step is to enroll in CCA and select (declare) a major (degree or certificate). You should then review the courses required for that certificate or degree and identify which courses might match your military training, work experience, previous exams, and/or current industry certifications or licensure. Then, follow the instructions and other steps provided in these pages.

Can I request PLA for any course? Any class at CCA is eligible for PLA consideration using the options described previously. The CCA PLA Credit Crosswalk lists those courses that are frequently requested for PLA and the most common exam and industry certifications that are used. If the course you're interested in isn't on this list, please talk with your department chair about how to apply for PLA.

Is there a limit to how many PLA course credits I can apply for? You can apply to receive a maximum of 75% of the total credits required for your certificate or degree program through PLA. You must earn at least 25% of the required credits for your declared certificate or degree through courses taken at CCA.

How much does it cost to get PLA? PLA costs range from a per-credit cost to an exam fee charge, and in the case of industry certifications and licenses is provided at no cost. Check the CCA PLA Credit Crosswalk for information on current PLA costs. All applicable fees must be paid when you submit your PLA Request form and prior to any exam or portfolio review.

Who determines if I get PLA credit? For standardized exams, there is a specific minimum score you must receive in order to be awarded PLA. The CCA PLA Credit Crosswalk lists those score requirements where applicable. If you are taking a challenge exam or submitting a portfolio for review, a faculty expert will evaluate your exam or portfolio. In order to receive PLA credit, you must demonstrate mastery (meet or exceed "C" level work, or "B" level work where required by industry for certification) of the learning outcomes for the course. You can find the PLA crosswalk here.

What if I try for PLA but don't pass the exam or my portfolio doesn't meet the minimum requirements? For challenge exams and portfolios, you will be allowed two attempts to meet the minimum requirements. That is, you will be allowed your initial attempt plus one exam retake or portfolio revision opportunity. Prior to your second attempt, you must meet with the department chair to discuss options and, if you decide to make a second attempt, you must do so within 30 business days. You must also pay a second exam or portfolio review fee. For standardized exams, waiting periods between exam attempts range from 30 to 90 days. You must pay another exam fee for each attempt. See the CCA Testing Center webpage for details.

If you don't meet the minimum requirements for demonstrating mastery, we encourage you to enroll in the course you were targeting. Your transcript will only reflect successful PLA attempts or actual course enrollments and grades. Any unsuccessful PLA attempt is not recorded on your transcript.

How does PLA affect my GPA? PLA credit will not count as part of your grade point average (GPA). PLA credits are simply entered on your transcripts as the appropriate number of credits being awarded without a letter grade.

May I use financial aid to pay for PLA? Does PLA affect my eligibility for financial aid? You may not use financial aid funds to pay for PLA costs. PLA will only affect financial aid in that PLA credits do not count towards your total credit hours considered for determining part- or full-time enrollment status. Please contact the Financial Aid office for additional information.

What happens to my PLA credits if I change majors? If you change majors, the PLA credit will remain on your transcript, but will only count towards your new major if the same course is part of your new plan of study. If your new major requires different courses, you will be responsible for completing all credit/course requirements for the new program.

Will PLA credits transfer? Any PLA credits earned will be documented on your transcript and, by law, must be accepted by other higher education institutions in Colorado provided that the PLA credits you received are part of the degree or certificate program at the institution to which you are transferring.

GRADUATION REQUIREMENTS

To receive a degree or certificate from the Community College of Aurora students must meet all the requirements detailed in this section. The Registration and Records office evaluates and processes all graduation applications to determine if a student has met the requirements for a degree or certificate. The final determination occurs at the end of each academic semester. The Registration and Records office evaluates your student record for graduation eligibility based on the catalog of record for the student. The community College of Aurora hosts one commencement ceremony each year.

Graduation Applications

Students who anticipate completing their degree or certificate requirements and meeting eligibility for graduation at the end of a semester must complete a graduation application prior to that semesters submission deadline. Early application submission allows CCA's Graduation Processor to review students records and ensure students are on-track to complete appropriate requirements in their final semester. Application deadlines are shown below:

Planning to graduate at the end of:	**Final Submission Deadline*:**
Spring Semester	March 1
Summer Semester	July 1
Fall Semester	November 1

*Graduation Applications are processed in the order they are received. Applications received after a Final Submission Deadline will be processed for the following semester.

- Applications submitted prior to deadlines ensures that students are included in their accurate graduating class in the commencement ceremony program. NOTE: Spring/Summer applications received after the Spring Final Submission Deadline will not be included in the immediate Spring's commencement ceremony program. Those students will be included with the Summer graduates in the following years commencement program.

The Graduation Application is available on MyCCA under the Student Tab where the Steps-To-Graduate icon is located. Prior to submitting a Graduation Application, students should complete the following:

- Review Degree Check
- Verify they are declared in the accurate degree/certificate program intended for completion.
- Review Degree Check to ensure registration and completion of all program requirements.
- If there are questions or concerns regarding declared programs or program requirements, please speak with an Advisor at 303-360-4929 to clarify prior to submitting an application
- Review and accept acknowledgements upon opening the graduation application.
- Complete and submit a graduation application.

Graduation Requirements

1. Students enrolling at the Community College of Aurora will follow the provisions of the catalog in use at the time of admission. When students interrupt their continuous attendance at CCA for three consecutive terms, or change their degree or certificate program, they will become subject to the provisions of the catalog current with their next enrollment.
2. Students should complete the course requirements as prescribed by the specific degree or certificate program.
3. Students must maintain a required grade point average of 2.0 (C) in all credit applicable toward a degree or certificate.
4. For A.A.S. degrees and certificates, students should earn at least a C in all courses in the area of study (eg. students working on a program in business must earn a C or higher in all business related coursework). D grades in general education coursework may allow graduation, but likely will not transfer to other institutions.
5. As of May 29, 2012 (summer semester 2012), "D" grades earned will not be applicable to A.A., A.S., and A.G.S. degrees at CCA.
6. To graduate with a degree or certificate from CCA, 25% of all coursework applicable toward that degree or certificate must satisfy residency requirements.

    a. Residency requirements at CCA are:

        i. Credit hours completed at CCA
        ii. Credit hours completed at CCCOnline through CCA
        iii. Credit hours that are 100-level or above and applicable towards your degree or certificate requirements

    b. Residency requirements at CCA do not include:
        i. Transfer credits
        ii. English as a Second Language credits
        iii. Developmental Education credits
        iiii. Prior Learning Assessment credits
        iiiii. Credit hours that are 100-level and above but that are not applicable towards your degree or certificate requirements
7. To obtain a single degree or certificate at CCA, a student must complete all program requirements and satisfy all residency requirements (see item 6 above). For example, a 60 credit hour degree requires that a student complete 15 credit hours following residency guidelines.
8. To obtain a second degree from CCA, a student must complete all program requirements, satisfy all residency requirements (see item 6 above), and complete an additional 15 credit hours that meet residency requirements at CCA. The additional 15 credit hours must be unique to the second degree and not used for completion of the first degree.
9. The college reserves the right to substitute or delete course work requirements based on current curriculum. Students are assured that if the curriculum does change, the college will make every effort to determine an equitable solution.
10. No more than six semester hours of special topics may be applied to any associate degree program.
11. No more than six semester hours of independent study courses may be applied to any associate degree program.
12. No more than six semester hours of directed study courses may be applied to any associate degree program.

Automatic Graduation

Students should submit graduation applications by the published deadlines to ensure that they are evaluated and graduated in the correct semester. In some circumstances, the college may automatically graduate students from programs as they are completed without an application. Students who are automatically graduated are notified by email of their graduation status.

Reverse Transfer

Reverse Transfer, also known as "Colorado Reverse Transfer", is a platform set up for certain qualifying Associate degree programs, which allow students who have transferred out of CCA before graduating to a four

year state college or university in Colorado, the ability to transfer credits completed at the four year institution back to CCA to fulfill the remaining Associate degree requirements. Students must 'opt in' to the program, and must have completed at least 15 credit hours (with residency) at CCA to qualify for Reverse Transfer Degrees.

Graduation Requirement Appeals

Students should initiate appeals regarding completion of graduation requirements within 60 calendar days after the decision was rendered. To submit an appeal, the student should contact the CCA graduation processor in writing. The graduation processor will work with the Registrar, student, Department Chair and Division Dean of Academic Success as appropriate. The Office of Registration and Records will respond in writing within 15 days.

STUDENT SUPPORT SERVICES & RESOURCES

CCA prides itself in providing high quality support services to prepare students for transfer and employment. To learn more about student support services and resources at CCA, please review the CCA Student Handbook available at Student Handbook – Community College of Aurora. (https://ccaurora.edu/students/division-of-student-success/student-support-services/student-handbook/)

The Student Handbook is designed to serve as a reference guide for students to learn about the various resources available at the Community College of Aurora. Specifically, it includes:

- Important semester dates and reminders
- Academic advising information
- Career services contacts
- Mental health and counseling resources
- Student engagement opportunities
- Academic tutoring information
- And much more!

In addition, the Handbook includes a section on college guidelines such as the Student Code of Conduct that promote your overall wellness, persistence, and completion efforts as a CCA Student.

LEGAL NOTICES

Disclosure - The CCA website, Legal Notices – Community College of Aurora, has updated disclosure information on the following:

- **Annual Campus Security Report and Students Right to Know** - CCA supports and complies with the Student Right to Know, Campus Security Act and the Jeanne Clery disclosure requirements. In accordance with 20 U.S.C.§1092, information about campus security is available online at https://ccaurora.edu/about-cca/campus-safety-security/ and from the Director of Campus Security, CentreTech Campus, Administration Building, Room A103I.

  The College's Annual Security Report (ASR) can be found athttps://ccaurora.edu/about-cca/campus-safety-security/annual-security-report/.You may receive a paper copy of the College's Annual Security Report by requesting one at the Security Office on the CentreTech Campus, Administration Building, Room A101. A list of registered sexual offenders in the area can be obtained through the Aurora Police Department at 303-739-6308 or online at http://sor.state.co.us/.

- **Administrative Responsibility** - Responsibility for CCA Security at the CentreTech Campus is assigned to the Campus Security under the supervision of the Vice-President of Administrative Services. Responsibility for CCA security at the Lowry Campus is assigned to Lowry Campus Security under the supervision of the Vice President for Administration and Finance for the Colorado Community College System.
- **Completion/graduation rates –** https://ccaurora.edu/wp-content/uploads/2024/08/Graduate_Report_2024.pdf
- **Consumerism Compliance** - The Community College of Aurora (CCA) will disclose and provide access to information to our students, prospective students, employees and prospective employees pursuant to 34 C.F.R.§ 668.46, https://ccaurora.edu/legal-notices/
- **Drug and alcohol prevention** - https://ccaurora.edu/legal-notices/
- **Financial Aid** - All students and prospective students are strongly encouraged to review the Financial Aid information that is available online at https://ccaurora.edu/admission-aid/financial-aid/
- **General information about the college's accreditation** - https://ccaurora.edu/about-cca/accreditation/
- **Notice of Non-Discrimination** - https://ccaurora.edu/legal-notices/
- **Student Bill of Rights** - https://ccaurora.edu/students/division-of-student-success/student-success-services/student-handbook/
- **Student Code of Conduct** - https://ccaurora.edu/students/division-of-student-success/student-success-services/student-handbook/ and Colorado Community College System Procedure (SP) 4-30a, https://cccs.edu/about/governance/policies-procedures/sp-4-30a-student-behavioral-expectations-and-responsibilities-resolution-procedure/
- **Student Grievance Procedure** - https://ccaurora.edu/students/division-of-student-success/student-success-services/student-handbook/ and Colorado Community College System Procedure (SP) 4-31a, https://cccs.edu/about/governance/policies-procedures/sp-4-31a-student-complaint-procedure/
- **Voter Registration** - https://ccaurora.edu/legal-notices/

Family Educational Rights and Privacy Act (FERPA) - CCA complies fully with the Family Educational Rights and Privacy Act, 20 U.S.C. §1232q, which is designed to protect the privacy of student educational records and to ensure the rights of students to examine their records. More information is available in the Registration and Records office, CentreTech Campus, Administration Building, Room A102 and online at .

Students who wish to have student record information released to a third party (parent, employer, another college, etc) must complete a FERPA Release Form, Records Release Form or Transcript Request as appropriate for the type of information being released. Please see the Registration and Records office for assistance.

- **FERPA General Guidelines** - Students have three primary rights under the Family Educational Rights and Privacy Act (FERPA). These are:
  - 1) to inspect and review their educational records,
  - 2) to have some control over the disclosure of information from their education records and
  - 3) to seek to amend their education records.

The Office of the Registrar takes full responsibility for the security of academic records. Under the federal Family Educational Rights and Privacy Act, the information in students' files may be released only under specific conditions. Current or former students of CCA have complete access to their records in compliance with requirements under the Federal Family Educational Rights and Privacy Act of 1974, 20 U.S.C.§1232q. Students may view them upon request at the Registration and Records office. If students feel the records contain errors, they may appeal in writing to the Registrar.

FERPA requires institutions to give public notice to students of the categories of personally identifiable information, which the institution has designated as public or directory information. Colleges may disclose directory information without prior written consent of the student, unless the student requests in writing to the contrary no later than the first official class meeting date of each semester.

More information is available in the Registration and Records office, CentreTech Campus, Administration Building, and online at https://ccaurora.edu/wp-content/uploads/2023/09/FERPA-Annual-Notification-2023.pdf.

ADDENDUM FOR 2025-26 CATALOG

While every possible step has been taken to ensure the accuracy of the catalog, sometimes minor changes must be made throughout the year that are in the interest of the students or the College. These are the course and/or program updates and changes made online after the publication of the 2025-26 catalog.

Catalog Change	Date updated
Incomplete Grade Change (p. 155) process updated, approval of division dean removed.	5/1/2025
PSY 2220 (p. 55) Added	5/1/2025
PSY 2220 added as an elective to Behavioral Health: Emphasis in Addiction Recovery, B.A.S. (p. 134) and Behavioral Health Emphasis in Mental Health and Wellness, B.A.S. (p. 135)	5/1/2025
SPA 1011 (p. 57) and SPA 1012 (p. 57) become GT Pathway courses AH4 beginning Fall 2025	5/1/2025
Nursing, A.A.S. (p. 115) Added	5/7/2025
Corrected Math in the Biology Transfer Major, A.S. (p. 70) from MAT 1340 to MAT 1340 or higher numbered GT Pathways approved MA1 course	5/7/2025
Updated Chemistry Transfer, A.S. (p. 74) to 65 credit hours (adding an additional Arts & Humanities course and and additional Social & Behavioral Sciences course) to align with the CO Statewide Transfer Articulation Agreement	5/8/2025
Updated the Lowry Campus Address (p. 4) from 710 Alton Way to 9075 E Lowry Blvd, Denver CO 80230	7/2/2025
EDU 1551 (p. 24) Added	7/25/2025
HPR 1020 (p. 40) Contact hours corrected from 90 to 75.	8/22/2025
Updated Program Admission Requirements for Phlebotomy Certificate (p. 144)	9/11/2025
HPR 1080 (p. 41) Contact hours corrected from 100 to 80.	9/26/2025
ECE 1135 was removed from the catalog. It was erroneously listed as the course was archived on 6/24.	10/15/2025
The following courses were added:EDU 2551 (p. 25) EDU 2552 (p. 25) EDU 2553 (p. 25) EDU 3321 (p. 26) EDU 3351 (p. 26) EDU 3551 (p. 26) EDU 3552 (p. 26) EDU 4051 (p. 26) EDU 4061 (p. 26) EDU 4401 (p. 26) EDU 4441 (p. 26) EDU 4551 (p. 26) FVM 1030 (p. 33)	10/22/2025
Added FVM courses to the electives for the Associate of Arts Degree Core (p. 62) and the Associate of Science Degree Core (p. 66)	10/22/2025

GLOSSARY

Course Schedule

All students need to become familiar with the language of the college catalog and the necessity of planning a sequence that will provide either a certificate or degree. Every course is not offered each year. Some courses are taught only when there is a demand for specific instruction to complete a major curriculum. For a list of courses available each semester, students should consult the current course schedule. A course listing consists of the following elements:

Co-requisites

Some courses require special permission, or another course be taken at the same time as the current course. For example, students cannot enroll in FVM 1005 without enrolling in FVM 1060 because the material covered in the courses complement each other. Co-requisites are listed in the course description.

Course Number

- A four-digit number is assigned to all college courses. Courses listed in the 1000s are designed for freshman level; 2000s are intended for sophomore level. (Ex. COM 1150 = Public Speaking)

Attention: Course numbers and descriptions are subject to changes.

The Colorado Community Colleges participate in a common course numbering and common competency system to provide students ease of transfer and to ensure curriculum quality across the colleges. This system includes all courses offered for credit at every community college and is available for review at www.cccs.edu.

Course Title

This is the official course title. Class schedules and transcripts will often abbreviate the course title.

Credit Hours

Each course has a specific number of "semester credit hours" that translates into a number of clock hours of interaction with the instructor. Practicums, clinicals, laboratory, and career and technical classes have specific clock hour requirements. Tuition charges are based on credit hours, not clock hours. Some career and technical programs have set costs because of equipment requirements.

GT Pathways Courses

Colorado has identified a set of general education courses that are guaranteed to transfer to any public institution of higher education in Colorado. Courses approved for statewide guaranteed transfer are noted in the course description.

GT Pathways courses, in which the student earns a C- or higher, will always transfer and apply to GT Pathways requirements in AA, AS and most bachelor's degrees at every public Colorado college and university. GT Pathways does not apply to some degrees such as many engineering, computer science, nursing and others degrees. You should always seek advising from the appropriate advisor at the college or university you plan to attend to ensure you are selecting the appropriate coursework for your degree and that it will apply to those degree requirements. Additionally, transfer of courses older than 10 years, including GT Pathway courses, is at the discretion of the receiving school. Check with the school you are transferring to, to verify your courses over 10 years will transfer. More transfer information is available at the Colorado Department of Higher Education website at https://cdhe.colorado.gov/students/attending-college/credit-transfer.

Prefix

Each course has a three-letter code designating the instructional department or division.

Prefix	Instructional Department or Division
AAA	Academic Achievement Strategies
ACC	Accounting
AEC	Architectural Engineering/Construction Management
ANT	Anthropology
ART	Art
ASE	Auto Service Technology
ASL	American Sign Language
AST	Astronomy
BIO	Biology and Biotechnology
BTE	Business Technology
BUS	Business
CAD	Computer-Aided Drafting
CHE	Chemistry
CIS	Computer Information Systems
COM	Communication
CNG	Computer & Networking Technology
CRJ	Criminal Justice
CSC	Computer Science
CSL	Counseling
CWB	Computer Web Based
DPM	Diesel Power Mechanics
ECE	Early Childhood Education
ECO	Economics
EDU	Education
EGG	Engineering
EGT	Engineering Graphics Tech
EMS	Emergency Medical Services
ENG	English
ENP	Entrepreneurship
ESL	English as a Second Language
ETH	Ethnic Studies
FIN	Finance
FST	Fire Science Technology
FVM	Film and Video Media
GEO	Geography

GER	German
GEY	Geology
HIS	History
HPR	Health Professional
HUM	Humanities
HWE	Health Wellness
LEA	Law Enforcement
LIT	Literature
MAN	Management
MAR	Marketing
MAT	Math
MGD	Multimedia Graphic Design
MUS	Music
NUA	Nursing Assistant
NUR	Nursing
OSH	Occupational Safety Technician
PAR	Paralegal
PED	Physical Education
PHI	Philosophy
PHY	Physics
PSC	Political Science
PSY	Psychology
PTE	Psychiatric Technician
REE	Real Estate
SBM	Small Business Management
SCI	Science
SOC	Sociology
SPA	Spanish
THE	Theatre
TRI	Translation & Interpretation
WST	Women's Studies

Prerequisites

Some courses require another course or special permission before enrolling. For example, students cannot enroll in ECE 1031 until ENG 0092 is successfully completed or an appropriate assessment score is achieved. Prerequisites are listed in the course description.

The Prerequisite of College Readiness in English can be met in the following ways.

- ACTE 18+
- SAT (S11) 470+
- Accuplacer Next Gen WR 246+
- Successful Completion of ENG 1021 (grade C or higher)
- Successful Completion of ENG 0090 (grade C or higher)
- Successful Completion of ESL 0053 and ESL 0023 (grade C or higher)
- Successful Completion of ESL 0073 (grade C or higher)
- Concurrent enrollment in ENG 0094 and ENG 1021
- Other placement methods available at the time of registration.

The Prerequisite of College Readiness in College Algebra can be met in the following ways.

- ACTM 23+
- SAT (S12) 560+
- Accuplacer Next Gen AF 245+
- Successful Completion of MAT 0300 (grade C or higher)
- Successful Completion of MAT 1340 (grade C or higher)
- Concurrent enrollment in MAT 0341 and MAT 1340 (grade C or higher)
- Other placement methods available at the time of registration.

The Prerequisite of College Readiness in Quantitative Literacy can be met in the following ways.

- ACTM 19+
- SAT (S12) 500+
- Accuplacer Next Gen QA 240+
- Successful Completion of MAT 0250 OR MAT 0300 (grade C or higher)
- Successful Completion of MAT 1240 (grade C or higher)
- Concurrent enrollment in MAT 0241 and MAT 1240
- Successful Completion of MAT 1260 (grade C or higher)
- Concurrent enrollment in MAT 0261 and MAT 1260
- Successful Completion of MAT 1340 (grade C or higher)
- Other placement methods available at the time of registration.

The Prerequisite of College Readiness in Career and Technical Math can be met in the following ways.

- ACTM 19+
- SAT (S12) 500+
- Accuplacer Next Gen AR 265+
- Successful Completion of MAT 0250 OR MAT 0300 (grade C or higher)
- Successful Completion of MAT 1240 (grade C or higher)
- Successful Completion of MAT 1260 (grade C or higher)
- Successful Completion of MAT 1340 (grade C or higher)
- Other placement methods available at the time of registration

Section Number

A three-digit number or letter combination is assigned to all college courses. The section number is found immediately following the course number. (Ex. COM 1150-111 = Section 111 of Public Speaking). This number is not indicative of the number of sections offered at CCA.

Degrees

At CCA, students can obtain Associate of Arts, Associate of Science, Associate of General Studies, or Associate of Applied Science degrees. Each degree has specific course requirements of major courses and general education courses.

Degrees with Designation

Associate Degrees with Designations provide transfer pathways to Colorado state four-year colleges and universities in specified liberal arts and science designations. CCA offers a number of degrees with designation and can be found under Degrees (p. 61).

Note: Not all courses are available at each of the 13 CCCS colleges but may be transferred from one institution to another and/or the student may elect to earn credit via CO Online.

Many other majors also require that students select specific courses from the GT Pathways courses. Students should contact an advisor at the earliest opportunity to review appropriate transfer guides. In addition to indicating which lower division courses are required for articulated

programs, these guides will indicate to a student which lower division courses are most appropriate for the student's major. These guides indicate the appropriate prerequisites for sequenced coursework that should be taken before transferring to a four-year college.

The Transfer Policy of the Colorado Department of Higher Education is available at: https://highered.colorado.gov/students/attending-college/credit-transfer/transfer-degrees

General Education Requirements for an AAS Degree

General education requirements for an AAS degree must contain:
• One course in written communication and an additional course in written communication or oral communication
• One course in critical thinking or quantitative literacy
• One course in inquiry and analysis OR a second course in critical thinking
• One course in general skills to be applied to industry

Guaranteed Transferability

In collaboration with the four-year public institutions and the Department, the Colorado Community College System has designed and implemented associate degrees with designations, thus allowing seamless transfer within the majors identified by the designations to designated Colorado public four-year institutions that offer a comparable baccalaureate degree program in the major field.

Associate of Arts Degree and Associate of Science Degree to Colorado Public Four-Year Colleges and Universities.

Colorado's agreement between public colleges and universities guarantees that when a student completes an A.A. or A.S. Degree -- at least 60 semester credit hours of coursework completed with a grade of "C" or better in every course -- a student may transfer to a public baccalaureate program with a Liberal Arts and Sciences designation (e.g., Mathematics, psychology, or history) and graduate after earning an additional 60 semester credit hours. Note: Agreements for selected transfer degrees may require up to an additional 66 credits (for a total of 126 credits). Courses with an "S/U" grade will not be eligible for Guaranteed Transferability. After transferring to the four-year institution, completing a baccalaureate degree within two years depends on the number of credits a student completes each semester at the four-year institution, course sequencing in the student's major (e.g., some upper-division major courses require that a student first complete lower-division major courses), as well as course availability.

Recommended Electives

College curriculums have courses that are not required, but would be helpful to the student's future. Students should consult their academic advisor before selecting electives.

Instructional Methods

Classroom Based- Class meetings are on-site and in-person.

Competency Based – Students will have a fixed amount of time to meet specific competencies before receiving credit for the class.

Continuing Education – The instructional method is reserved for non-credit courses, students take these courses through their college continuing education, community education, and/or workforce development office and do not receive academic credit.

Hybrid – Class will have some live in-person components, and some online components. Percentage of online versus in-person can vary by class.

HyFlex – A highly flexible experience where the course is delivered entirely remotely in real-time, entirely in person in real-time, or a combination of the two.

HyFlex with Lab - A highly flexible experience where the course is delivered entirely remotely in real-time, entirely in person in real-time, or a combination of the two. Lab will require in-person attendance.

Online (Internet) Learning – Class is entirely online with no real-time expectations.

Remote Real-time – Class will be taught in real-time, with 100% remote delivery at predetermined times. There is no scheduled in person attendance. Class with be 100% real-time live meetings delivered remotely via technology.

Student Load

Credit hours are awarded on a semester basis. A student can complete a degree program in four semesters by successfully completing 15 credit hours of required coursework each semester. A student may choose, due to personal circumstances, to extend completion time. The following is a guide for all semesters used for tuition and financial aid purposes:

- Full-time student 12+ credit hours
- Three-quarter time 9-11 credit hours
- Half-time 6-8 credit hours

NOTE: Students receiving benefits through Veterans Affairs should contact Military & Veteran Services for information regarding the VA calculation of their course load.

Student Types

- **Guest Students** – A guest student at CCA means that you will be taking summer courses that will move you toward degree completion at your home institution.
- **High School Students Participating in the Concurrent Enrollment Program** - High school students enrolling under the Concurrent Enrollment program need to do the following:

1. Meet with their high school counselor to discuss eligibility and receive required paperwork.
2. Complete the CCA Application and apply for the College Opportunity Fund (COF).
3. Complete the CCA assessment process or provide ACT/SAT scores that meet course prerequisites.
4. Complete the Concurrent Enrollment Agreement and Registration Form with all signatures. Registration dates and times will be scheduled for students who have completed the Concurrent Enrollment Agreement and are approved by the school district to take CCA classes. Check with your school district for information related to tuition and fees. You will be responsible for the cost of textbooks and supplies. For additional information, call the Concurrent Enrollment department at 303-340-7513.

- **High School Students not Participating in the Concurrent Enrollment Program** - Students need to do the following: Students younger than 17 must complete a Request for Waiver of Admission Requirements form, obtained from either the Registration and Records office or Lowry Student Services. This form must be approved by the Director of Advising and the President of the College. An approval will be based on a student's academic history, determination of ability to benefit from college-level instruction, and overall educational goals. All applications must be submitted and approved 10 working days before the beginning of each semester. Please visit the Academic Calendar for important dates. For more information call Advising at 303-360-4929.
- **International Students** - The college is authorized under federal law to enroll non-immigrant alien students. An international student is a student who is not a U.S. citizen and is not classified by U.S. Immigration as a resident alien. These students do not qualify for

resident tuition, due to their F-1 visa status. These students must see the Registration and Records Office. For information regarding admissions and I-20 Review (including dates and times), go to https://ccaurora.edu/apply/international-students/.

- **New Students** – Individuals who have never attended an institution of higher education since graduation from high school must complete the application for admission and attend New Student Orientation (NSO). New students pursuing a degree or certificate are required to take assessment tests and meet with an advisor to register for their first semester. Students are encouraged to keep in contact with academic advisors throughout their educational programs.
- **Re-Admit Students** - Former students returning to the Community College of Aurora after an absence of three or more consecutive semesters must complete the application form for readmission.
- **Transfer Students** – Students who have previously attended any college or university, must complete the application for admission, and indicate prior college attendance. Transfer students pursuing a degree or certificate at the Community College of Aurora (CCA) are required to meet assessment requirements. Transfer students should meet with academic advisors to register for the first semester and are encouraged to keep in contact with academic advisors.

To have courses evaluated for possible transfer credits, students should have official transcripts sent directly to CCA from regionally accredited colleges and universities. The Credentials Evaluator will transfer in appropriate courses after students have completed all of the following:

- Complete an Admissions Application and declare the desired degree/certificate
- Speak with an academic advisor for a review of your unofficial transcripts

FACULTY AND STAFF

The administration, faculty and staff at CCA have what it takes to help students succeed. The College employs highly skilled professionals who are leaders in their respective fields. Whether students need help from instructors or specialized assistance from our Student Success division, one can be assured there is always qualified support.

This section introduces our list of academic leaders and our outstanding faculty and instructors.

Office of the President

Office of the President

Mordecai I. Brownlee, President
A.A., North Harris Community College District (now known as Lone Star College); B.S., M.S., Houston Baptist University; Ed.D., Lamar University

Cameron Johnston, Executive Assistant, Office of the President
B.A., University of Colorado Denver

Bobby Pace, Vice President of Academic Success
B.A., Virginia Commonwealth University; M.A., Virginia Tech; Ph.D. University of Denver

Clair Collins, Vice President of Enrollment Management and Pathway Success
B.A., M.A. Sam Houston State University

Angela Marquez, Vice President of Diversity, Equity, and Inclusion & Chief of Staff
B.S., M.A., M.L.S., Regis University; Ph.D., Colorado State University

Lynne Winchell, Vice President of Administrative Services
B.S., MBA, Regis University

Erica Hines, Chief Human Resources & Personnel Success Officer
B.S., MEd, Colorado State University

Kathryn L. Skulley, Dean of Assessment, Strategy, and Performance Excellence
B.A., M.A., Ph.D., University of Northern Colorado

Reyna Anaya, Dean of Student Success & Senior Student Affairs Officer
B.A., Colorado State University; M.A., Ph.D., University of Northern Colorado

Academic Success

Office of the Vice President of Academic Success

Bobby Pace, Vice President of Academic Success
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Behavioral Health

Kristina Ciarlo, Chair, Behavioral Health
B.A., Muhlenberg College; M.S., Northeastern University

Nursing

Siri Morken, MSN RN, Interim Director of Nursing Education
A.D.N., Arapahoe Community College; B.S.N., Metropolitan State University of Denver; M.S.N. Grand Canyon University

Academic Success in Career and Technical Education

Jim DeLung, Dean of Academic Success, Career and Technical Education
B.A., University of North Carolina Wilmington; M.S., Mississippi State University; M.A., Minnesota State University, Mankato; Ed.D., University of Denver

Business

Chunfu "Jeff" Cheng, Chair**,** Business
A.S., Seminole State College; B.S., Hubei University of Education (China); M.S., Dalian University (China); Ed.D., Northeastern University-Boston

Health Sciences

Jim DeLung, Interim Director of Health Sciences
B.A., University of North Carolina Wilmington; M.S., Mississippi State University; M.A., Minnesota State University, Mankato; Ed.D., University of Denver

Public Service

Beth Lattone, Chair, Public Service
B.S., Cornell University; EMT- P

Brett Steadman, Fire Science Technology Coordinator
Career and Technical Education Certification; B.S., University of Wisconsin Madison; Certified Emergency Medical Technician - Paramedic

Skilled Trades

Brian Horvath, Chair, Skilled Trades
A.A.S., Community College of Aurora

Academic Success in Concurrent Enrollment, Early Childhood Education, Criminal Justice, and Languages

Michelle Pacheco, Dean of Academic Success, Concurrent Enrollment, Early Childhood Education, and Languages
M.A., Adams State University

Languages and Justice, Early Childhood Education

Patricia Shaw, Chair, Languages and Justice
Certificate of Translation & Interpretation, Community College of Aurora; B.A., Universidad Iberoamericana; M.A. Universidad del Valle de Mexico

Academic Success in General Education

Brandon Feres, Dean of Academic Success, General Education
B.A., M.A., State University of New York at Stony Brook

Behavioral Sciences

Kelly O'Dell, Chair Behavioral Sciences
A.A., Casper College; B.A., University of Wyoming; M.A., University of Colorado at Denver

English and Communication

Mandy Geddes, Chair English and Communication
B.A., Metropolitan State College; M.A., University of Colorado

Social Sciences

Paul Langston, Chair, Social Sciences
B.A., Stephen Austin State University; M.A., University of North Texas; Ph.D., University of Colorado

Academic Success in Innovative Arts

Stacey D'Angelo, Dean of Academic Success, Innovative Arts
B.F.A., Ithaca College; M.F.A., Naropa University

Lowry Studios

Will Hicks, Chair, Innovative Arts
B.S., Kennesaw State University; M.F.A., Hollins University

James Tharp, Assistant Director
B.A., The Colorado College; M.F.A., Montana State University

Visual And Performing Arts

Julie Rada, Chair, Visual and Performing Arts
B.A., Naropa University; M.F.A., Arizona State University

Academic Success in STEM

Susan Young, Dean of Academic Success, STEM
B.S., University of Dayton; Ph.D., University of Colorado, Boulder

Computer Digital Technologies, Engineering, and Physics (CTEP)

Saonti Chakraborty, Chair Computer Digital Technologies, Engineering, and Physics (CTEP)
Ph.D., Kent State University

Mathematics

Chuda Baral, Chair, Mathematics
B.S., Tribhuvan University; M.S., University of Colorado-Denver

Biology and Chemistry

Jennifer Regan, Chair, Biology and Chemistry
B.S., University of Southern Mississippi; Ph.D. University of Houston

Workforce Development and Career and Continuing Education

Julie Stewart, Dean of Workforce Development and Career and Continuing Education and College Prep English as a Second Language (ESL)
M.A., University Of Phoenix

Jaclyn Zvejnieks, Chair, College Prep English as a Second Language (ESL
B.A., University of New Mexico; M.A., University of Susex

Regular Faculty

David Atlee, Physics, Astronomy
B.S., The Pennsylvania State University; Ph.D., The Ohio State University

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Noah Barkofske, Diesel Power Mechanics
A.A.S., Community College of Aurora

Radha Basker, Mathematics
B.S., Avinashilingam Deemed University, India; M.A., University of Northern Colorado

Matthew Baxter, Film and Video Media
A.G.S., Community College of Aurora

Rodney Beckner, Mathematics
M.S., Old Dominion

Bita Behforooz, Psychology
B.S., University of Pittsburgh; M.S., Ph.D., SUNY Albany

Elisabeth Bell, English
B.A., University of Michigan; Ph.D., Duke University

Galina Boulgakova, Film and Video Media
B.A., M.F.A., Moscow Art Theatre; V.I. Nemirovich-Danchenko Studio-School of the Moscow Art Theater

Katherine Brandao, Biology
B.A., Whitman College; Ph.D., University of Colorado - Anschutz Medical Campus

Lori Butcher, Mathematics
M.S., Colorado State University

Carla Campbell, English
B.A., Arizona State University; M.F.A., Naropa University

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Ph.D., Kent State University

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B.S., Radford University; M.B.A., Webster University

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B.S., University of Notre Dame; M.S., Loyola University of Chicago

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B.S., M.B.A, Seton Hill University

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B.A., China Agricultural University; M.S., Idaho State University; Ph.D., Washington State University

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Brian Light, Emergency Medical Services
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Jacob Artz, Chemistry

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Jeffrey Hemmes, Computer Science

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Sally Hodgdon, Business

Yascary Hodgson Cash, Behavioral Health

Rebecca Hoenigman, Chemistry
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***Amanda Holliman**, Psychology*

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Allan Lerner, History
B.A., Metropolitan State University; M.A., University of Colorado – Denver

Trevor Lewis, Computer Information Sciences

Ram Longman, Computer Sciences

Rodrigo Luevano, Criminal Justice

Heather Magee-Anderson, Film and Video Media
B.A., Metropolitan University; A.A., Ellsworth College

Harold J. Mardones, Mathematics
B.S., M.S., University of Colorado

Ruth Marquez, Business
B.A., University of Northern Colorado

David Martinez, Criminal Justice

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Elsa Moore, Mathematics

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Candice Morris, Sociology
B.A. & M.A., University of Colorado

Allison Mullens, Physical Education

Glen Murphy, Computer and Digital Technology
Certified A+, CompTIA; Career and Technical Education Certification

Madison Myers, English
B.A., English Secondary Education and Literature; M.A., Literature; Ph.D., ABD Literature

Noemi Negron Santos, Spanish

Kevin Nelsen-Bouck, Art
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Larry Nelson, Computer and Digital Technology
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Gobinda Neupane, Mathematics
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Bobby Pace, Political Science
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M.A., Adams State University

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M.B.A., Liberty University

William Petry, Computer Web Base
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Apostolos Pittas, Political Science

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Douglas Rossi, Paralegal, Criminal Justice
J.D., University of Denver

Candace Ruiz, Business

Dennis Saavedra Carquin-Hamichand, Philosophy

Kai Savi, Biology

Peter Sebastian, Film and Video Media
B.A., University of Colorado; M.F.A., Loyola Marymount University

Kevin Shand, Film and Video Media
B.A., California State University-Stanislaus

Eric Sheldrake, Physics

Jessica Shiveley, Psychology
B.S.W., Nebraska Wesleyan University; M.S.W., University of Nebraska Omaha

Aaron Sholders, Chemistry

Michael Shuman, Philosophy
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Christy Sorden, Psychology
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Ashley St. Sauveur, Film and Video Media
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Brett Steadman, Fire Science Technology
Career and Technical Education Certification; B.S., University of Wisconsin Madison; Certified Emergency Medical Technician – Paramedic

Julie Stewart, Business

Jesse Stine, Chemistry

Jack Story, English
B.A., English College of Charleston; B.S., Secondary Ed College of Charleston; M.A., Citadel and College of Charleston

Aaron Summerfield, Music
B.A., Portland State University; M.M., University of Denver

Felizsa Sunga, Chemistry
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Jennifer Svoboda, Mathematics

Christopher "Swanie" Swanson, Multimedia Graphic Design
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Lucia Terpak, Anthropology
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Anne Toner, Art
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Amanda Toot, Biology

Daniela Velazquez, Psychology

Joseph Verica, Biology

Rachael Vermiglio, Physics, Astronomy
B.S., Central Michigan University; M.S., University of Denver

Raisa Vilensky, Paralegal

Ulrich Vouama, Computer Information Sciences

Judy Waddell, History
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Alfred Wahabby, Mathematics

Simon Waldbaum, Biology
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Paula Weder, History

Timothy Wilkerson, Paralegal
J.D., University of Southern California

Stacy Williams, Paralegal
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Andrew Young, Film and Video Media, Music
B.A., Chadron State College

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Center for Adult Education and The Aurora Language Center - English as a Second Language

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Community Colleges of Colorado System

Colorado Community College System

Joe Garcia, Chancellor
(through June 30, 2025)

Diane Duffy, Interim Chancellor
(beginning July 1, 2025)

Colorado State Board for Community Colleges and Occupational Education

Colorado State Board for Community Colleges and Occupation Education

Dr. Landon Mascareñaz, Chair
Terrance D. McWilliams, Vice Chair
Dr. Ross Dueber
Tatiana Hernandez
Dr. Karen McNeil-Miller
Yolanda Ortega
Brad Rupert
Dr. Angelika Schroeder
Catherine Shull
Steven L. Trujillo
Dr. Catlyn Keenan, Faculty Representative
Saige Chapin, Student Representative

Community College of Aurora Advisory Council

Community College of Aurora College Advisory Council

Lynn Baca, Commissioner of Board of Adams County

Jason P. Batchelor, City Manager for the City of Aurora

Joel Boyd, Washington Prime Group

Naomi Colwell, Aurora Chamber Finance Director and Executive Director of the Aurora Police Foundation

Papa M. Dia, Founder and Executive Director, Aftrican Leadership Group

Rhonda Fields, Commissioner of Arapahoe County

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Emeritus

Emeritus

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Index

2025-2026 Catalog ... 3
AAA - Academic Achievement Courses ... 7
Academic Calendar ... 6
Academic Excellence ... 158
Academic Matters ... 162
Academic Progress ... 159
Academic Success ... 176
Academic Transfer ... 163
ACC - Accounting Courses ... 7
Account Information ... 155
Addendum for 2025-26 Catalog ... 171
Addiction Recovery Assistant Certificate ... 136
Addiction Recovery, A.A.S. ... 61
Adjunct Instructors ... 178
Advising and Registration ... 154
AEC - Arch Eng/Construction Mgmt Courses ... 7
An AA or AS Degree will Transfer to all Colorado Public Four Year Colleges and Universities ... 163
ANT - Anthropology Courses ... 8
Applied Technology, A.A.S. ... 61
ART - Art, Design, Jewelry and Photography Courses ... 9
ASE - Auto Service Technology Courses ... 10
ASL - American Sign Language (ASL) Courses ... 10
Associate Degrees ... 61
Associate of Arts Degree Core ... 62
Associate of Science Degree Core ... 66
AST - Astronomy Courses ... 11
Attendance ... 163
Awarding Procedures ... 152
Bachelor's Degrees ... 134
BEH - Behavioral Health Courses ... 11
Behavioral Health
Emphasis in Addiction Recovery, B.A.S. ... 134
Emphasis in Mental Health and Wellness, B.A.S. ... 135
Behavioral Health Assistant Certificate ... 136
Behavioral Health Assistant II Certificate ... 136
Behavioral Health Patient Navigator Certificate ... 137
Behavioral Health Plus Certificate ... 137
BIO - Biology Courses ... 12
Biology Transfer Major, A.S. ... 70
BUS - Business Courses ... 13
Business Certificate ... 137
Business Transfer Major, A.A. ... 72
CAD - Computer Assisted Drafting Courses ... 13
Certificates ... 136
Challenge Exams ... 165
CHE - Chemistry Courses ... 14
Chemistry Transfer Major, A.S. ... 74
CIS - Computer Information Systems Courses ... 14
Civil Engineering, AES ... 75
CNG - Computer Networking Technology Courses ... 15
College Opportunity Fund (COF) ... 151
Colorado ASSET Bill ... 148
Colorado State Board for Community Colleges and Occupational Education ... 182
COM - Communication Courses ... 16
Commitment to Academic Excellence ... 162
Communication Transfer Major, A.A. ... 77
Community College of Aurora Advisory Council ... 182
Community College of Aurora Catalog ... 4
Community Colleges of Colorado System ... 182
Computer Information Systems, A.A.S. ... 80
Computer Science Transfer Major, A.S. ... 82
Computer Science, A.A.S. ... 80
Computer Support Technician Certificate ... 137
Computer Support Technician, A.A.S. ... 85
Construction Estimating Certificate ... 137
Construction Management A.A.S. ... 85
Construction Superintendent Certificate ... 138
Courses ... 7
Criminal Justice Transfer Major, A.A. ... 86
Criminal Justice, A.A.S. ... 86
CRJ - Criminal Justice Courses ... 17
CSC - Computer Science Courses ... 18
CSL - Counseling Courses ... 19
CWB - Computer Web Based Courses ... 21
Cybersecurity, A.A.S. ... 89
Degrees, Certificates, and GT Pathways Courses ... 61
Developmental Classes for College-Level Work ... 164
Diesel Power Mechanics, A.A.S. ... 89
DPM - Diesel Power Mechanics Courses ... 21
Drop for Non-Payment ... 150
Early Childhood Education Transfer Major, A.A. ... 90
ECE - Early Childhood Education Courses ... 22
ECO - Economics Courses ... 24
Economics Transfer Major, A.A. ... 91
EDU - Education Courses ... 24
EGG - Engineering Courses ... 26
EGT- Engineering Graphics Tech Courses ... 27
Elementary Teacher Education Transfer Major, A.A. ... 93
Emergency Medical Technician Basic Certificate ... 138
Emeritus ... 182
EMS - Emergency Medical Services Courses ... 27
EMT Paramedic Certificate ... 138
ENG - English Courses ... 29
English Transfer Major, A.A. ... 94
ESL - English as a Second Language Courses ... 30
ETH - Ethnic Studies Courses ... 30
Faculty and Staff ... 176
Film Video Media
Acting/Directing for the Screen Certificate ... 139
Acting/Directing for the Screen Emphasis, A.A.S. ... 97
Cinematography Certificate ... 139
Cinematography/Videography Emphasis, A.A.S. ... 97
Post-Production Certificate ... 140
Post-Production Emphasis, A.A.S. ... 98
Screenwriting Certificate ... 140
Screenwriting Emphasis, A.A.S. ... 99
Writing/Directing Certificate ... 141
Writing/Directing Emphasis, A.A.S. ... 99
Writing/Producing Certificate ... 141
Writing/Producing Emphasis, A.A.S. ... 100
Financial Aid ... 151
Financial Aid Application Procedures ... 152
Financial Obligations of Students ... 150
Fire Science
Basic Certificate ... 142
Fire Science Technology, A.A.S. ... 101
Frequently Asked Questions ... 165
FST - Fire Science Technology Courses ... 31
FVM - Film and Video Media Courses ... 32
General Eligibility Requirements ... 152
General Engineering, AES ... 102
Generalist, A.G.S. ... 103
GEO - Geography Courses ... 38
GEY - Geology Courses ... 38
Glossary ... 172
Grading ... 155

Graduation Requirements 167
Graphic and Web Design, A.A.S. 105
HIS - History Courses 39
History Transfer Major, A.A. 106
HPR - Health Professional Courses 40
HUM - Humanities Courses 41
Human Resource Management Certificate 142
HWE - Health Wellness Education Courses 41
Industry Certifications and Licenses 165
Information Regarding Financial Aid 153
Integrated Nursing Pathway, A.G.S. 108
LEA - Law Enforcement Academy Courses 42
Legal Notices 170
LIT - Literature Courses 43
Maintaining Eligibility 152
MAN - Management Courses 44
MAR - Marketing Courses 44
MAT - Mathematics Courses 45
Mathematics Transfer Major, A.S. 109
Mechanical Engineering, AES 111
Mental Health and Social Work, A.A.S. 114
Methods of Payment 150
Metro State CIS Transfer, A.A.S. 114
MGD - Multimedia & Graphic Design Courses 47
Military Personnel 151
Military Training 164
MUS - Music Courses 47
My Student Record 155
Non-Military Students 164
NUA - Nurse Aide Courses 50
NUR - Nursing Courses 50
Nurse Aide Certificate 142
Nursing, A.A.S. 115
Office of the President 176
OSH - Occupational Safety Technician Courses 51
PAR - Paralegal Courses 51
Paralegal Certificate 143
Paralegal, A.A.S. 115
Paramedic, A.A.S. 118
Patient Care Technician Certificate 143
Paying for College 150
PED - Physical Education Courses 52
PHI - Philosophy Courses 53
Phlebotomy Certificate 144
PHY - Physics Courses 54
Physics Transfer Major, A.S. 119
Political Science Transfer Major, A.A. 121
Portfolio Review 164
Prior Learning Assessment 164
Programming, A.A.S. 123
PSC - Political Science 54
PSY - Psychology Courses 54
Psychology Transfer Major, A.A. 123
PTE - Psychiatric Technician Courses 56
Public Health Transfer Major, A.A, ... 126
Real Estate Certificate 144
REE - Real Estate Courses 56
Refund Policy 150
Regular Faculty 177
Respiratory Therapy, A.A.S. 127
Return of Federal Funds 152
SCI - Science Courses 56
SOC - Sociology Courses 56
Sociology Transfer Major, A.A. 128
SPA - Spanish Courses 57
Spanish Transfer Major, A.A. 131
Standardized Exams 165
Standards of Satisfactory Progress Requirements and Procedures (Financial Aid Satisfactory Academic Progress Policy) 153
Student Support Services & Resources 169
SWK - Social Work Courses 57
THE - Theatre Courses 58
Transfer and Transcripts 160
Transferability of CCA Credit 162
Translation and Interpretation Certificate 144
Translation and Interpretation Legal Certificate 144
Translation and Interpretation Medical Certificate 145
Translation and Interpretation, A.A.S. 133
TRI - Translation and Interpretation Courses 59
Tuition 150
Tuition Classification 148
Tuition Classification for Reverse Transfer Degrees 148
Western Undergraduate Exchange (WUE) Program 148
WST - Women and Gender Studies Courses 60