

# CATALOG



COMMUNITY  
COLLEGE  
of AURORA

2019-2020

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# 2019-2020 CATALOG

# COMMUNITY COLLEGE OF AURORA CATALOG

## CentreTech Campus

16000 E. CentreTech Parkway

Aurora, Colorado 80011

303-360-4700

303-360-4727 (Security)

## Lowry Campus

710 Alton Way

Denver, Colorado 80230

303-340-7093

303-419-5557 (Security)

[www.CCAurora.edu](http://www.CCAurora.edu)

Published 2019

Accredited by

The Higher Learning Commission of the North Central Association

Approved by

Colorado Commission on Higher Education

State Board for Community Colleges and Occupational Education

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that "prepares students for gainful employment in a recognized occupation."

Find employment statistics that relate to each of our certificates at:  
[www.ccaurora.edu/gainful-employment](http://www.ccaurora.edu/gainful-employment)

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://www.cccs.edu/about-cccs/state-board/policies-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

## 2019 Summer Semester

Registration begins • April 1, 2019

Classes begin • June 3, 2019

Independence Day (college closed) • July 4, 2019

Classes End • August 10, 2019

## 2019 Fall Semester

Registration begins • April 22, 2019

Classes begin • August 26, 2019

Labor Day (college closed) • September 2, 2019

Faculty In-Service (college open, no classes) • November 26, 2019

Thanksgiving (no classes) • November 27-30, 2019

Classes End • December 14, 2019

## 2020 Spring Semester

Registration begins • November 4, 2020

Classes begin • January 21, 2020

Spring Break (college open, no classes) • March 23 - 28, 2020

Classes End • May 11, 2020

Commencement Ceremony • May 9, 2020

## 2020 Summer Semester

Registration begins • April 6, 2020

Classes begin • June 1, 2020

Independence Day (college closed) • July 3 and 4, 2020

Classes End • August 8, 2020

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

# COLLEGE FACILITIES AND LOCATIONS

## Locations

The Community College of Aurora offers all services at our CentreTech Campus, located in the heart of Aurora. The Lowry Campus, located in Northwest Aurora, offers student services, general education courses, science labs, career and technical programs, technology programs and community services.

## CentreTech Campus

303-360-4700 (Main)

303-360-4727 (Security)

16000 E. CentreTech Parkway, Aurora, CO 80011

### Administration Building

1st Floor: Academic Advising • Admissions, Registration & Records • Center for Recruitment & Orientation • Financial Aid • International Affairs • Military & Veteran Services • Student Affairs Administration • Student IDs • Welcome Center

2nd Floor: Administration • Career Center • Cashier's Office • CCA Foundation • Human Resources • Testing Center • IT Helpdesk

### Student Centre

1st Floor: Bookstore • Cafe • Office of Student Life • Quiet Study Areas • Rotunda • Student Success Center • TRIO Student Success Office • Transfer Success Program

2nd Floor: Accessibility Services/Computer Access Center • Communications and Marketing • Computer Labs • Institutional Research • Library • TRIO ESL Student Support Services

### Fine Arts Building

Forum • Larry D. Carter Theater • Performing Arts (Dance, Music and Theatre) • Enrollment Services for Concurrent Enrollment

### Classroom Building

Arts & Communication Department • Behavioral Sciences Department • English Department • Early Childhood Education and Teacher Preparation Department • English and Math Tutoring • English as a Second Language (ESL) Department • Humanities Department • Online Learning • Philosophy Department • Social Sciences Department • Translation and Interpretation Department • World Languages Department

## Lowry Campus

303-340-7093 (Main)

303-419-5557 (Security)

### West Quad

710 Alton Way, Building 903, Denver, CO 80230

School of Business • Computer and Digital Technology Department • Computer Labs • Office of Student Life (Phi Theta Kappa, Student Clubs, and Student Government Association) • Science Department • Science Labs • Science Library • Lowry Student Services (Admissions, Advising, Cashier, Financial Aid, Registration, Testing, and Student IDs) • General Classrooms • Dr. Todd Bergren Conference Room

### North Quad

9202 E. Severn Place, Building 901, Denver, CO 80230

Center for Adult Education • Community ESL • Math Department • General Classrooms

### Center for Simulation

9235 E. 10th Drive, Building 859, CO 80230

Emergency Medical Services Department • EMS Simulation Studios • Fire Science • Integrated Pathways to Nursing • Health Sciences • Public Service Department (Criminal Justice, Police Academy, and Paralegal) • General Classrooms

### Colorado Film School

9075 E. Lowry Boulevard, Building 965, Denver, CO 80230

### Diesel

1060 Alton Way, Building 840, Denver, CO 80230

## Off Campus Site

### Colorado Home Building Academy

445 W 53rd Pl, Denver, CO 80216

# WELCOME TO THE COMMUNITY COLLEGE OF AURORA

The Community College of Aurora aspires to be the college where every student succeeds. In the pursuit of this vision, instructors and staff work hard to help students reach their goals and realize their potential. CCA students graduate from the college's programs ready to move to the next step in their lives, whether it's to earn a bachelor's degree or begin a new career.

## Community College of Aurora

### CCA offers a culture of success

Community College of Aurora is a student-centered institution with a laser focus on student success. Our goal is to enable students to achieve their goals. We provide personalized attention and education that builds self-confidence and prepares students for future challenges.

### CCA offers exceptional educational value

We offer exceptional educational value to residents of Aurora, the greater Denver metropolitan area and beyond through our distinctive and innovative programs; immersive learning models; and dedicated, passionate and highly qualified faculty and support staff.

### CCA supports and cultivates community

As an integral part of the greater Aurora community, we are an inclusive institution with a welcoming culture. We care for and support our students, promote equity in teaching and learning and provide students with a sense of belonging and an environment that cultivates enhanced self-esteem.

### CCA's diverse learning environment helps prepare students for a global society

CCA is a diverse community that enjoys and celebrates its diversity. The varied and extensive backgrounds of our students and employees foster a greater understanding of and compassion for one another, while broadening worldviews and providing a well-rounded knowledge base.

### Next Steps

1. Flip through our viewbook at [www.CCAurora.edu/about-cca/why-cca](http://www.CCAurora.edu/about-cca/why-cca).
2. Learn more about CCA visit [www.CCAurora.edu/about-cca](http://www.CCAurora.edu/about-cca).
3. Check out CCA programs of study visit [www.ccaurora.edu/programs-classes/departments](http://www.ccaurora.edu/programs-classes/departments)
4. Find out more about cost at [www.CCAurora.edu/students/paying-college](http://www.CCAurora.edu/students/paying-college).
5. Get started on the application process at [www.CCAurora.edu/students/getting-started](http://www.CCAurora.edu/students/getting-started).

## Inclusive Excellence Statement

You matter. You are valued. You belong. CCA is a community that is committed to equity, diversity, and inclusion through Inclusive Excellence. We can only achieve this together.

CCA embraces Inclusive Excellence because we want our students, staff, instructors, and faculty to learn and contribute within an inclusive environment. This means members of our College community will be active, respectful, and mindful of equity, diversity, and inclusion at all levels of engagement. Inclusive Excellence will provide a foundation for student and institutional success.

Recognizing our diversity is only the first step toward Inclusive Excellence. We must also be intentional in valuing cultural differences and experiences, while incorporating them into practices, curricula, and policies. The CCA community will be transformed through the following actions:

- Create an Inclusive Excellence plan
- Incorporate evidence-based and inclusive teaching strategies and curricula in the classroom
- Provide high quality, inclusive, and responsive programming and services outside the classroom

- Assess and evaluate the practices, policies, and outcomes of the College for inclusiveness
- Provide intentional faculty and staff professional development that focuses on the implementation of Inclusive Excellence
- Communicate support and direction for Inclusive Excellence through institutional leaders
- Identify, prioritize, and allocate resources that support Inclusive Excellence
- Foster a climate for open dialogue
- Facilitate Opportunities for cross-cultural interaction

Sonder is a five-part developmental series for CCA Student Employees that facilitates the learning of theoretical concepts surrounding Inclusive Excellence and reflects practical applications within personal lives, academic pursuits, and supporting the Student Employee's department. If you would like to be added to a future Sonder cohort, or have any questions, please contact Mike Roderique, Inclusive Excellence Training Coordinator, at [michael.roderique@ccaaurora.edu](mailto:michael.roderique@ccaaurora.edu) or 303-360-4743. For more information about Sonder please visit this link <https://www.ccaurora.edu/about-cca/inclusive-excellence/ie-cca-students>.

To learn more about how to get involved in Inclusive Excellence please visit this website <https://www.ccaurora.edu/about-cca/inclusive-excellence/council-meetings-leadership-team>

## Accreditation

CCA is accredited by the Higher Learning Commission, 30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504, 1-800-621-7440. The college operates under the jurisdiction of Colorado Community College System. CCA students regularly transfer credits to state colleges and universities. Transfer information is available in the Admissions, Registration and Records Office, CentreTech Campus, Administration Building, Room A102 and online at [www.ccaurora.edu/students/student-right-know/](http://www.ccaurora.edu/students/student-right-know/).

## Equal Opportunity

CCA does not discriminate on the basis of race, color, creed, nationality, sex, age or disability, in admission or access to employment in its programs and activities. Inquiries concerning Title VI, Title IX Section 504, 42 U.S.C. §2000e et seq. and the Americans with Disabilities Act may be made in the Human Resources office, CentreTech Campus, Administration Building, Room 207, 303-360-4752 or the Department of Education, Office for Civil Rights, Denver Office, 1244 Speer Blvd. #310, Denver, CO 80204.

## Our Vision

We aspire to be the college where every student succeeds.

## Our 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.

## Our Values

Respect, Collaboration, Quality, Access, Diversity and Inclusion

## Our Goals

Goal 1: Increase student retention, completion, transfer, and employment.



Goal 2: Improve student learning through instructional and non-instructional efforts and assessment.

Goal 3: Optimize enrollment.

Goal 4: Optimize fiscal, technological, and physical resources.

Goal 5: Increase community partnerships, engagement, and service.

Goal 6: Diversity and strengthen human resources.

## **Institutional Outcomes - 4Cs**

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.

## **Weather**

Generally, college policy is to remain open regardless of weather conditions, and to hold classes with the students and instructors who can reach the campus. Classes will not meet when buildings are closed for snow or emergencies. Students will be notified by the CCA Alert System. Metro-area radio and television stations make announcements regarding school closings. Many of the television stations also post closures on their websites.

# GETTING STARTED AND ADMISSIONS

## Getting Started Checklist

Starting college is a big step, but we're here to help. The CCA website and following pages of this catalog include details on how to get started.

**1. Complete our Guided Pathways Quiz** - Find your passion. Earn your degree. Start your career. Use our Guided Pathways Quiz to discover the program and career that best fits your interests. Still unsure what to study? Contact Career Services at 303 340-7231.

[www.CCAurora.edu/guidedpathways](http://www.CCAurora.edu/guidedpathways)

**2. Apply for Admission** - If you are new to CCA or have been away from CCA for a year or more, you need to complete the online application for admission. There is no deadline or fee to apply. A couple of days after you apply you will receive an email with your student ID number and initial password.

[www.CCAurora.edu/application](http://www.CCAurora.edu/application)

**3. Apply for Financial Aid** - Complete the Free Application for Federal Student Aid (FAFSA) to see if you are eligible for any kind of aid (grants, loans, work-study and scholarships). Financial Aid can take 4 – 6 weeks to process, so don't delay!

[www.CCAurora.edu/aid](http://www.CCAurora.edu/aid) [fasfa.ed.gov](http://fasfa.ed.gov)

**4. Login to CCA Navigate** - Login to your CCA Navigate account using the username and password you use to access your MyCCA account. Navigate will help you to stay on track at CCA and to plan, schedule, and register for your courses.

[ccaaurora.navigate.eab.com](http://ccaaurora.navigate.eab.com)

**5. Meet the Assessment Requirement** - All students must meet assessment requirements in the areas of math and English to register for courses. You must do one of the following:

- A. Provide your Pathway Advisor with an unofficial copy of college transcripts from a regionally accredited institution showing successful completion of college level math and English coursework. Please note, that English courses taken outside of the United States do not meet Assessment or Transfer guidelines.
- B. Provide a copy of your ACT or SAT scores (no more than five years old).
- C. Take the placement test to assess your current academic skill level. It is important to be prepared for the test so that you can be placed into the appropriate courses. Before you take the test, you are strongly encouraged to review the assessment workbook and attend an assessment prep workshop.

[www.CCAurora.edu/accuplacer](http://www.CCAurora.edu/accuplacer)

**6. Meet With a Pathway Advisor** - Your Pathway Advisor is here to help you select the right courses to complete your pathway of choice.

[www.CCAurora.edu/advising](http://www.CCAurora.edu/advising)

**7. Register for Classes** - Remember to print a copy of your schedule a few days before the semester begins to get updated room information.

[www.CCAurora.edu/register](http://www.CCAurora.edu/register)

**8. Do You Have a Plan to Pay for Your Classes?**

Apply for the College Opportunity Fund COF  
If you are a Colorado resident for tuition purposes and did not sign-up for COF through your admissions application, you can sign-up online. If you have any questions about your residency determination or COF, please contact the Admissions, Registration & Records Office at 303 360-4797.

[www.CCAurora.edu/cof](http://www.CCAurora.edu/cof)

Apply for Scholarships  
Apply for CCA Foundation Scholarships! Over \$500,000 available in scholarships!

Set Up a Payment Plan

It takes time for a financial aid award to apply to your student account. If you have not received an award letter and you have not processed an acceptance of your financial aid for the current term, you should setup a payment plan. Signing up for a payment plan early allows for the lowest down payment options and guarantees your spot in class.

[www.CCAurora.edu/payment](http://www.CCAurora.edu/payment)

**9. Activate Your Email** - Your college email account is the official method of communication at CCA, so it is extremely important that you activate your account and check it frequently. Instructions to activate your account will be included in your Welcome letter from CCA.

[www.CCAurora.edu/email](http://www.CCAurora.edu/email)

**10. Attend Orientation** - First-time college students are required to attend orientation, but all students can benefit from attending! At orientation, you will learn about what it is like to be a student at CCA, your path to your career, how to pay for college, and much more. Orientation = Success!

[www.CCAurora.edu/orientation](http://www.CCAurora.edu/orientation)

**11. Get Your Student ID and Parking Pass** - Stop by the Welcome Center at the CentreTech Campus or Lowry Student Services to get your CCA Student ID card and your parking pass. Photo ID is required to get your Student ID.

[www.CCAurora.edu/id](http://www.CCAurora.edu/id)

**12. Buy Your Books** - Take your schedule to the bookstore to purchase your books. Buy your books before classes begin to be prepared.

[www.CCAurora.edu/books](http://www.CCAurora.edu/books)

**13. Choose a Refund Preference** - A little more than a week after you register for classes, your BankMobile refund code will arrive in the mail (look for the bright green envelope). This code is used to setup your refund preferences, so look for the envelope an activate your account when it arrives!

[www.CCAurora.edu/refund](http://www.CCAurora.edu/refund)

**Special Note for Transfer Students**

Submit your official transcripts from any prior colleges you attended. CCA will transfer in any courses completed with a C or better that align with your chosen pathway at CCA.

[www.ccaurora.edu/transfer-in](http://www.ccaurora.edu/transfer-in)

## New Student Advising

All new students who have never attended college are required to meet with a Pathway Advisor prior to New Student Orientation. New student orientation will provide students with information about Guided Pathways, academic programs, certificates and degree options. Students will also receive information and assistance needed to select and enroll in appropriate coursework, receive assistance with creating class schedules, and learn how to register for classes.

## Student Types

### 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 a Pathway Advisor to register for their first semester. Please see the Admissions Policy (p. 11) section of this catalog for further information. Students are encouraged to keep in contact with academic advisors throughout their educational programs.

## Transfer Students

Students who have previously attended any college must complete the application for admission indicating any prior colleges attended. Transfer students pursuing a degree or certificate at 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 initiate the transfer process, students should have official paper or electronic transcripts sent directly to the Community College of Aurora from previous accredited colleges and universities for official evaluation. CCA's Credentials Evaluator will transfer in appropriate courses after students have done all of the following:

- Complete an Admissions Application
- Request that all colleges previously attended send official transcripts directly to CCA
- Please visit [www.CCAurora.edu/transfer-in](http://www.CCAurora.edu/transfer-in) for transfer details.

## Re-Admit Students

Former students returning to the Community College of Aurora after an absence of three or more consecutive semesters must complete the online application form for readmission.

## 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 online CCA Application and apply for the College Opportunity Fund (COF).
3. Complete the CCA assessment test 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 Admissions, Registration and Records office or Lowry Student Services. This form must be approved by and academic advisor 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 Lowry Student Services at 303-340-7093 or CentreTech Advising at 303-360-4906.

## International Students

### INTERNATIONAL STUDENTS

The college is authorized under federal law to enroll non-immigrant alien students. An international student (F-1) 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 F1 visa status. These students must see the Curriculum and Records Manager in the Admissions, Records, and Registration Department. For information regarding I-20 Review (including dates and times), go to [www.CCAurora.edu/students/international-students](http://www.CCAurora.edu/students/international-students). International students are required to complete the following steps:

1. Apply to the Community College of Aurora
2. Complete the International Student Intake Form
3. Complete the Affidavit of Financial Support and include a bank statement with the required amount of funds available. A statement confirming financial resources are sufficient, as determined by the college, to provide for stay in the United States. All Financial Information must be provided in U.S. dollars and in English.
4. Submit any prior academic credentials (high school or equivalent). If available students can submit transcripts for courses taken at an accredited U.S. college or evaluated foreign transcripts. See below for more information.
5. Submit any prior academic credentials (high school or equivalent). If available students can submit transcripts for courses taken at an accredited U.S. college or evaluated foreign transcripts. See below for more information. Form I-20 will not be issued to an international student until all of the above documents are on file in International Advising and a decision to admit the student has been made. International students should allow sufficient time to gather and submit all required documentation so that an admissions decision and visa approval can be made

The application and approval process can take up to six months for first-time applications and approximately 30 days for transfer applications. The earlier students apply, the better their chances are for a timely approval. Although CCA suggests early application, the college may not issue an I-20 after the deadlines in the chart below:

	First-Time or Reinstatement Applications	Current International Students Seeking Transfer
Fall	July 1	August 10
Spring	November 15	January 10

International students must meet with the international student advisor in the Advising Department, CentreTech Campus, Administration Building, Room A100 prior to registering for courses. International students must also comply with the following requirements:

1. Demonstrate/Document College Proficiency Level using one of the following options. Placement testing must be taken before course registration; students are required to follow course placement in English, mathematics, and reading as determined by the placement test scores.
  - Take the Accuplacer or LOEP test at CCA in order to place into ESL, developmental courses or college level courses.
  - Students who are interested in taking only English language courses will be issued an I-20 for "Language Training-ESL." TOEFL scores are not required. Students will take the LOEP (Level of English Proficiency) test at CCA to determine their current level of English ability.
  - Submit transcripts for courses taken at an accredited U.S. College. Student have taken and passed a college-level course at a U.S. college, may submit an official transcript showing completion of the course.
  - Submit evaluated foreign transcripts. CCA will only consider post-secondary foreign transcripts that have been evaluated by an NACES approved member. [www.NACES.org/members.html](http://www.NACES.org/members.html) Official evaluated transcripts must be sent to CCA <https://www.ccaurora.edu/getting-started/transfer-in>
2. United States Immigration and Customs Enforcement (ICE) regulations require that foreign students on F-1 or M-1 visas carry and complete a full course of study (minimum of 12 credit hours per spring and fall semesters) and that they complete their educational objectives within a reasonable period of time. Any extensions to the reported completion dates must be requested of the international student advisor and reported to ICE at least 30 days prior.
3. International students must complete payment arrangements before classes start each semester.
4. Academic Standards of Progress Policy must be followed.
5. Off-campus work is not allowed without prior permission of the international student advisor and ICE.
6. The international student advisor must be notified of any address change (both local and abroad) within 10 days of change.

- a. Medical insurance must be purchased by the student.

## Admissions Policy

Students seeking admission to the Community College of Aurora should submit an application for admission online at [www.CCAurora.edu](http://www.CCAurora.edu) and clicking on Getting Started and then the Apply & Register link. Staff are available to assist students in completing the application on site in the Admissions, Registration and Records office, CentreTech Campus, Administration Building, Room A102 and at the Lowry Campus in the Lowry Advising Center at Lowry, West Quad, Room 119.

The college practices an "open door" admissions policy, which means that entry is generally unrestricted; however, the college reserves the right to place students in classes on the basis of academic advising, testing, pre-enrollment interviews, and past educational achievement. Certain college programs have specific admission requirements as well. The following minimum requirements are used as guidelines for admission:

1. All individuals, 17 years of age or older, who have a high school diploma, a General Education Development (GED) certificate, or are not enrolled in high school, are admitted.
2. Students younger than 17 must complete a Request for Waiver of Admission Requirements form, obtained from either the Admissions, Registration and Records office or Lowry Student Services. This form must be approved by a Pathway Advisor and the College President. An admission decision will be based on a student's academic history, determination of ability to benefit from college level instruction, and overall educational goals.
3. All new students must take the CCA approved assessment test or have appropriate ACT or SAT scores from a test taken within the last five years. State Board Policy requires that colleges assess their students to determine their levels of English, mathematics, and reading, and if needed, that students take developmental courses within their first 30 hours at the college.

All new students must meet Assessment Requirements which can be met in one of the following ways:

- Evidence of an Associate of Arts or Associate of Science Degree or higher
- Evidence of a C or higher in prior College Level English and Math courses (Please note that English courses taken outside the United States do not meet the Assessment or Transfer guidelines)
- Qualifying ACT or SAT scores that are less than 5 years old
- Qualifying approved assessment scores that are less than 5 years old
- English speaking ability is also required. If English is not your native language, you may be required to take the LOEP exam

ACT, SAT and college placement scores will be used to determine placement in both college-level and developmental education courses as appropriate. Please see the current class schedule for placement and prerequisite requirements.

All degree or certificate seeking students must meet Assessment Requirements. All students seeking to register for a course with prerequisites must meet Assessment Requirements (regardless of degree/certificate status). All students under the age of 20 must meet Assessment Requirements (regardless of degree/certificate status).

Admission to the college does not guarantee acceptance of a student into a particular course or program. Some students may need to enroll in certain courses to compensate for scholastic deficiencies or to meet established prerequisites. The college reserves the right to review and revoke the enrollment of any person who appears to be unable to profit from further education, as well as of those persons whose enrollment would not be beneficial to them or to the college and in accordance with Board Policy BP 4-10. The policy is online at <https://www.ccs.edu/policies-and-procedures/board-policies/bp-4-10-admission-continued-enrollment-and-re-enrollment-of-students/>. Students who enroll in an occupational program, who receive financial aid, or who are on F-1 or M-1 student visa status must declare their degree or certificate program at the time of registration. Any changes in the declared degree or certificate must be recorded with the Admissions, Registration and Records office, and if the student is a financial aid recipient, with the Financial Aid office.

The Community College of Aurora does not require physical examinations as a condition for admission. Students who have a disability or who otherwise have special needs are encouraged to contact the Accessibility office located in the Library, CentreTech Campus, Student Centre Building, Room S202, 303-361-7395 (V/TDD). This office provides academic support and accommodations to students with documented disabilities at no cost.

## Residency Determination for 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, honorably discharged veterans, 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 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. Service members should contact their military base Education Office for documentation which should be submitted to the Admissions & Records Office each semester.

## 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:

- Have attended a public or private high school in Colorado for at least three years immediately before graduation or completion of a general equivalency diploma (GED) in Colorado. Three years is defined as six academic terms from three separate years immediately preceding graduation or completing the Colorado GED.
- Be admitted to a Colorado college or university within 12 months of graduation from a Colorado high school or completion of a Colorado GED or graduated from a Colorado high school or completed a Colorado GED before September 1, 2013 and have continuous physical presence in Colorado for 18 months preceding the start of the semester.

- Apply for COF and complete an affidavit with the College Opportunity Fund indicating that you have applied for legal presence or will apply as soon as you are eligible to do so.

## 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 and will not be returned to students. Individuals submitting false information or falsified supporting documents are subject to both criminal charges and college disciplinary proceedings.

## 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.

## Appeal Procedure

Students who are denied in-state tuition will not be allowed to drop courses after the census date (add/drop deadline). Students are responsible for dropping all courses by 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://higher.ed.colorado.gov> or contact the Admissions, Registration and Records Office at 303-360-4797.

## Western Undergraduate Exchange (WUE) Program

Students who are residents of 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 Northern Islands, Federated States of Micronesia, Guam, Hawaii, Idaho, Marshall Islands, Montana, Northern Marianas, Nevada, New Mexico, North Dakota, Oregon, Palau, South Dakota, Utah, Washington, and Wyoming.

Students applying for the WUE program must provide evidence of domicile in the qualifying states and will be 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 purposes. Online courses are not eligible for the WUE tuition rate.

## Orientation

New Student Orientation (NSO) is mandatory for all students who have never attended college after high school, and recommended for transfer students. During orientation students will learn general information about the Community College of Aurora, financing a college education, and tips for success in and out of the classroom. Students must complete their assessment requirement and meet with a Pathway Advisor prior to attending orientation. Information and online registration for new student orientation is available at [www.CCAurora.edu/orientation](http://www.CCAurora.edu/orientation). For more additional information, contact the Center for Recruitment and Orientation, Administration Building 102G, 303-360-4796.

## Acceptance Letters

Acceptance letters are sent via email within one day of application. If a student does not receive a letter, or has questions regarding the acceptance letter, please contact the Admissions, Registration, and Records Office, CentreTech Campus, Administration Building, A102, 303-361-7363.

# ADVISING AND REGISTRATION

## Advising

Pathway advisors are available to guide students in choosing the correct Academic Pathway, degree or certificate program. Pathway advisors also assist students in selecting the appropriate courses for their degree or certificate program, and/or for transfer to 4-year institution.

## New Student Advising

All new students who have never attended college are required to meet with a Pathway Advisor. New student orientation will provide students with information about Guided Pathways, academic programs, certificates and degree options. Students will also receive information and assistance needed to select and enroll in appropriate coursework, receive assistance with creating class schedules, and learn how to register for classes.

## Continuing Student Advising

It is highly recommended that all continuing students meet with an Pathway Advisor periodically as they progress through their educational programs. Pathway Advisors will help ensure students stay on track to achieve their educational goals. F-1 Visa students must meet with the International Student Advisor every semester prior to registration. Failure to do so may result in termination of their I-20.

## On-line Advising

Students can email their Pathway Advisor on CCA Navigate in MyCCA. If students do not have an advisor assigned to them they can call 303-360-4929 or email [Advising@CCAurora.edu](mailto:Advising@CCAurora.edu). Replies are typically provided within 48 hours.

## Non-Degree Seeking Students

Students who are enrolling in coursework for a job upgrade or personal development are also encouraged to contact a Pathway Advisor prior to registration.

## Financial Aid Student Advising

All students receiving financial aid should contact a Pathway Advisor prior to registering for classes to ensure satisfactory progress toward degree or certificate objectives. Financial Aid pays only for coursework that applies directly to a degree or certificate.

## Assessment/Course Placement

The college assists students with course and educational program decisions through assessment and advising. Native English speakers take the Accuplacer to determine their current academic skills in reading, mathematics, and English. Non-native English speakers take the Accuplacer LOEP test to determine their level of English language proficiency. Pathway Advisor develop educational plans to enhance student success using assessment results.

Assessment is part of the advising process and educational planning and is available at both the CentreTech Campus and Lowry Campus. Students should plan to spend approximately one and a half hours taking the assessment (the LOEP test may require additional time). Information concerning pre-assessment workshops, study guides, and video tutorials are available online at [www.CCAurora.edu/testing](http://www.CCAurora.edu/testing) or call 303-360-4948.

## Students Intending to Transfer

Students who are interested in transferring to a four-year college or university should familiarize themselves with the requirements of the institution to which they will transfer. Since graduation requirements vary among institutions, it is important to obtain assistance from a CCA Pathway Advisor when planning a transferable program of study.

Transfer information is available on the web, in the Admissions, Registration and Records office, CentreTech Campus, Administration Building, Room A102, and in the Student Services office, Lowry Campus, West Quad, Room 119, or online at [www.CCAurora.edu/programs-classes/transfer-options](http://www.CCAurora.edu/programs-classes/transfer-options).

Transfer Success Office (TSO): The Transfer Success Office is another resource for students interested in transferring to a four-year college or university. This office is responsible for campus-wide transfer programming open to all CCA students, as well as 1:1 appointments for students with over 30 credits to discuss the transfer process. Students may make individual appointments through Navigate. More information about transfer programming can be found by visiting the office in person in the Student Success Center, CentreTech Campus, Student Centre Building, Room S101, or online by searching "Transfer Events" from the CCA homepage ([ccaaurora.edu](http://ccaaurora.edu)).

## Registration

CCA publishes a schedule of course offerings each semester and makes it available online. The schedule indicates procedures, registration dates, and tuition fees. All students will register online using a student ID number and password. Instructions are available online in the schedule of classes.

## 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 is not permitted and students will be referred to accelerated or second session courses. Students are encouraged to register well before the start of classes as indicated in the semester class schedule. For further information, call Admissions, Registration and Records at 303-360-4797.

## Schedule Changes

Students may change their schedules (add/drop) after they have registered. 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 in the Schedule of Classes. Students may add classes through the start of the semester. After the semester begins, registration is not permitted and students will be referred to accelerated or second session courses. See the Admissions, Registration and Records Office, CentreTech Campus, Administration Building, or the Student Services office, Lowry Campus, West Quad, Room 119 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 registration online, in the Admissions, Registration and Records Office, CentreTech Campus, Administration Building, Room A102, or in the Student Services office, Lowry Campus, West Quad, Room 119.

## Student Load/Credit Hours

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	12+ credit hours
Three-quarter time	9-11 credit hours
Half-time	6-8 credit hours

Students receiving benefits through Veterans Affairs should contact Military & Veteran Services for information regarding the VA calculation of their course load.

### **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 a Pathway 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.

# FINANCIAL MATTERS

## 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.

## 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 [higher.colorado.gov/Finance/COF/default.html](http://higher.colorado.gov/Finance/COF/default.html).

## Military Personnel

Active duty members of the U.S. Armed Forces 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 and their dependents to qualify for in-state tuition. Military personnel are required to obtain certification from the base personnel office to confirm that they are on active duty with a permanent duty station in Colorado. This documentation must be resubmitted each semester for students to receive in-state tuition. To receive the discounted rate, military personnel and their dependents must also sign up for COF (Colorado Opportunity Fund). For 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 also complete a *Request for VA Certification* each semester through Desire2Learn. The priority deadline to submit a *Request for VA Certification* 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. Prior to the published tuition deadline, students eligible for benefits through Vocational Rehabilitation & Employment and the Post-9/11 GI Bill must complete a *Request for VA Certification* and have documentation from the VA demonstrating continued eligibility for VA education benefits; all other students must make payment arrangements prior to the tuition deadline.

Tuition information is reported to the VA after the 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 the VA or CCA for previously paid benefits. If for any reason the VA determines a student is ineligible for benefits, or if benefits expire during the term, the student will be responsible for paying the balance on his or her account.

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.ccaurora.edu/students/military-veterans/getting-started-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 3<sup>rd</sup> Party Billing by the tuition deadline listed in the schedule booklet, or as soon as you register for classes, or your registration will be cancelled. Tuition assistance will not be invoiced until after the census date (drop deadline) for classes.

## Western Undergraduate Exchange (WUE)

WUE is a program through which students in participating states may enroll at a special, reduced tuition level of the in-state tuition rate, excluding the College Opportunity Fund (COF). Participating states include Alaska, American Samoa, Arizona, California, Commonwealth of Northern Islands, Federated States of Micronesia, Guam, Hawaii, Idaho, Marshall Islands, Montana, Nevada, New Mexico, North Dakota, Oregon, Palau, South Dakota, Utah, Washington, and Wyoming. For more information, contact the Admissions, Registration and Records Office at the CentreTech Campus Administration Building, Room A102, 303 360-4797, Lowry Student Services, West Quad Room 119 303-340-7093 or go online to <http://wue.wiche.edu>.

## Financial Obligations of Students

A financial obligation to the Community College of Aurora occurs when you register for classes. Payment due dates for tuition and fees are published in the current class schedule and available online. You are financially obligated to pay for full tuition and fees for all class you have not officially dropped by the last day to drop (census date). Do not assume you have been dropped from a class for missing payment deadlines or not attending a class. Always check your detailed student schedule on the MyCCA portal.

In accordance with the State Fiscal Procedures, unpaid accounts at the end of the term will be forwarded to a collections agency. Such assignments to a collections agency may affect your credit rating and may result in the addition of collection fees, attorney fees, interest, or other costs. If you have a past due balance at CCA or any other college in the Colorado Community College System, you will not be able to enroll any additional classes and you will not be able to receive semester grades or a final transcript.

## 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 amounts due are available on the MyCCA portal after you register for classes. You are responsible for knowing your amounts due and making payment.

### Methods of Payment

- Pay in full online:** Go to [www.ccaurora.edu](http://www.ccaurora.edu) and log in to MyCCA using your student ID#. Click the Student Finance tab and under Payment Options, choose the "Pay Online with a Credit Card" link.
- Pay in full in person:** Visit the CentreTech or Lowry Campus Cashier's Office and payments can be made in the form of cash, checks, or credit cards (Visa, MasterCard and Discover only).
  - CentreTech Campus**, 16000 E. CentreTech Pkwy, Aurora, CO 80011 - Administration Building, 2nd Floor, Cashier's Office
  - Lowry Campus**, 710 Alton Way, Denver, CO 80230 - West Quad Building, Lowry Student Services
- Sign up for a Payment Plan:** You may sign up for a payment plan through MyCCA, using your student ID#. Click the Student Finance tab and under Payment Options, choose the "Sign up for a Payment Plan" link. Follow the instructions to get set up. You will be charged a non-refundable fee, due immediately. Once your payment plan is set up, you can access it anytime through MyCCA. The following tools are available:
  - You can view your balance due, payments made, increases or decreases to your tuition and fee amounts, and other information.
  - If someone will be paying tuition and fees on your behalf, you can add an "Authorized Party" to your account.
  - If you would like to make a payment towards your tuition and fees in addition to your scheduled payment, you can use the "Make a Payment" option. Any additional payments made will decrease your total balance and result in an adjustment to your monthly payment amount.



- 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  
Mailing address: Community College of Aurora  
Attn: Cashier's Office  
16000 E. CentreTech Parkway  
Aurora, CO 80015
- VA Benefits:** If you plan to use VA benefits to pay your student account, visit our Veteran Services Office for additional information and to get started. You can also find more information at: <https://www.ccaurora.edu/students/military-veterans>.
- 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 by the payment due date to avoid being dropped until your sponsor is billed and paid. 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 studentFor more information, visit: <https://www.ccaurora.edu/getting-started/how-pay>
- 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 to make sure you are not dropped from your classes for non-payment.

## Refund Policy

### Class Cancellations

When the College for any reason cancels a class section, the College will notify students. Students are entitled to a 100 percent refund. Students may choose from the sections still available to substitute for the cancelled class. Assistance is available in the Admissions, Registration and Records office, CentreTech Campus, Administration Building, Room A102, or in the Student Service office, Lowry Campus, West Quad, Room 119.

### Refund Processing

Refund is automatically initiated when a class is cancelled by the College or dropped by the Student before the Last Day to Drop (Census Date). A refund will not be made if there is an outstanding balance on the student's account. Only classes dropped by the course census date are eligible for refund. If you withdraw from a class, you are still responsible for charges.

If a Financial Aid recipient is eligible for a refund, the funds received will be transmitted to the student's choice of refund preference. For any withdrawal in class(es) an adjustment of Financial Aid Award 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.

Refunds are processed through BankMobile. To set your refund preferences access BankMobile through the student MyCCA portal.

- 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.
- 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.
- If you do not choose a refunding preference, you will receive your refund via paper check mailed to your address on record with Admissions.
- For more information about the BankMobile refunding process and your options, visit: <https://www.ccaurora.edu/CCA-refund-information>

## Drop for Non-Payment

To help students avoid collection charges, Community College of Aurora (CCA) monitors and drops students from classes if tuition and fees have not been paid by the payment due date. The Drop for Non-Payment process runs on specific dates during the semester and these dates are published in the current class schedule and available online. Do not rely on the Drop for Non-Payment process to remove you from classes you do not wish to attend. Students must follow formal add/drop and withdrawal procedures of 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. For more information about the Drop for Non-Payment, visit: <https://www.ccaurora.edu/drop>.

## Financial Aid

Financial aid is money available to assist students with the costs of attending college. This assistance comes from the 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 [www.fafsa.ed.gov](http://www.fafsa.ed.gov). 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 Federal Student Aid Report (SAR) is next sent to the student. An electronic Institutional Student Information Report (ISIR), duplicating the student's SAR, is then sent to the CCA Financial Aid office. This ISIR must be processed and have a valid Estimated Family Contribution (EFC), as determined 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 services at [www.CCAurora.edu](http://www.CCAurora.edu), click on the MyCCA link. For more information on financial aid programs, access [www.CCAurora.edu/students/paying-college/financial-aid](http://www.CCAurora.edu/students/paying-college/financial-aid). This includes:

- Colorado Student Grant (CSG)
- Colorado Work Study (CWS)
- Direct Loan (DL)
- Federal Pell Grant
- Federal Plus Loan
- Federal Supplemental Education Opportunity Grant (FSEOG)
- Federal Work Study (FWS)

## Scholarship Programs

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, Room A103B, in the Lowry Student Services Office, Lowry Campus, West Quad, Room 119, or online at [www.CCAurora.edu/students/paying-college/scholarships](http://www.CCAurora.edu/students/paying-college/scholarships).

## Financial Aid Application Procedures

Students begin the application process when they complete and submit the Free Application for Federal Student Aid (FAFSA). Students are encouraged to complete these applications as early as possible after January 1. Priority for determining financial aid eligibility is given to students whose completed applications are on file with the CCA Financial Aid office 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 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.
- Be registered with the Selective Service, if required.
- 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).

## Awarding Procedures

When all appropriate forms or documents have been received by the college Financial Aid office, the student's file is considered complete. The Community of College of Aurora uses the following criteria to award financial assistance: Financial need, a valid Estimated Family Contribution (EFC), and a completed file for the new award year.

Students who have completed financial aid files by May 1 will receive priority consideration for the work-study programs. Failure to meet this priority date may result in some funds not being available to applicants.

Students can apply for a Federal Pell Grant throughout the award year. The deadline for submitting Student Aid Report (SAR) is the last day of the summer semester of the current award year. The last day to complete a FAFSA is generally June 30 of any given year for the award year.

## Payment Authorization

The Financial Aid office initially awards students based on full-time enrollment. After the census date (the last day to add/drop courses), the awards will be adjusted to the actual enrollment level. Payment cannot be authorized for audited and withdrawn courses prior to the financial aid award being disbursed.

## 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 SEOG. The Colorado Student Grant is not affected by this requirement.

If a student drops a class that has not started and receives a 100 percent refund, 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 the remainder issued in the form of a check mailed directly to the student six weeks into the semester.

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, measurable progress each semester.

## 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 [www.CCAurora.edu/students/paying-college/financial-aid/policies-procedures](http://www.CCAurora.edu/students/paying-college/financial-aid/policies-procedures).

## Senior Citizens Tuition Grants

Senior citizens should contact the Financial Aid office to determine eligibility. To qualify for the Senior Citizen grant, a student must be 60 years of age or older by the end of the semester for which they are applying. The student is eligible to receive a 50 percent discount on resident tuition with a maximum of 12 credit hours per semester; however, all fees and any charges related to the course(s) are the sole responsibility of the student.

## 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 [www.CCAurora.edu/students/paying-college/financial-aid](http://www.CCAurora.edu/students/paying-college/financial-aid).

# ACADEMIC MATTERS

## 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, and does not impact the GPA.

## English as a Second Language

The Aurora Language Center (ALC) administers the college's community and college preparatory English as a Second Language programs.

The ALC also offers resources and support for collaboration with the community and outreach to the area's diverse population. The center provides life-skills, workforce, and academic-related English instruction to beginning and intermediate learners at the Lowry Campus. The director for the Community ESL Program can be reached at 303-340-7086.

The ESL College Preparatory Program offers basic, intermediate, and advanced composition, grammar, reading, and listening and speaking courses for ESL students. These courses generally meet at the CentreTech Campus and focus on preparing students for college-level study. The courses follow the regular CCA academic calendar and award college credit. For more information, call the administrative assistant at 303-360-4749.

## Prior Learning Assessment Credit (PLA)

Students may be awarded credit for college-equivalent education acquired through non-traditional schooling, work, or other life experiences. Such prior learning must be comparable to Community College of Aurora courses and must relate to the student's declared certificate or degree program as outlined in college publications. A handbook explaining credit for prior learning is available online at <https://internal.cccs.edu/wp-content/uploads/documents/PLAManual.pdf>. You can also review the PLA Credit Matrix at [https://placredit.com/pla\\_credit\\_matrix.csv](https://placredit.com/pla_credit_matrix.csv). The PLA Credit Matrix lists the credit hours and course equivalents for many common standardized tests and industry credentials. For more information about learning what credit you might be eligible to receive based on your prior learning experiences, please visit <https://placredit.com/#/home> to complete the Colorado Prior Learning Questionnaire. After completing the Questionnaire, you will need to meet with your Pathway Advisor to finalized what credits you may qualify for.

Payment must be made before assessment is undertaken and cannot be paid for with financial aid funds. Awarded credit may be used to meet Guaranteed Transfer (gt) courses. If credit for prior learning is applied to AA, AS, or AGS-articulated degree requirements, transfer guarantees with baccalaureate degree granting institutions may be affected. Consult your Pathway Advisor or the institution you are transferring to for details.

A student relocating to another Colorado community college may have their prior learning credits transferred there as long as the course is applicable to the student's declared degree or certificate. Students transferring to a college or university outside the state system of community colleges should contact that school to determine if CCA prior learning credits will be accepted. The Community College of Aurora does not guarantee transfer of credit outside the Colorado Community College System. Students may document prior learning through successful completion of any of the following:

## Standardized Testing

CCA evaluates the results of standardized tests such as CLEP and DSST, as well as IB and AP exams taken in high school, for the possible awarding of credit. Official copies of the student's scores must be sent by the testing service to the CCA Admissions, Registration and Records office. After evaluation, the student will be notified by the college if the scores were sufficient for the awarding of credit.

For information concerning minimum score and credit transferability, please review the PLA Credit Matrix at [https://placredit.com/pla\\_credit\\_matrix.csv](https://placredit.com/pla_credit_matrix.csv). If you have any additional questions, contact CCA's Credentials Evaluator at 303-360-4710.

CLEP and DSST testing services are available in the Community College of Aurora Testing Center. See Testing Services in the Services for Students section for more information.

## Portfolio of Learning Outcomes

Students may petition the college for credit by developing a portfolio that describes and documents relevant prior learning comparable to that gained in CCA courses. Faculty in the appropriate program area will evaluate the portfolio and award credit commensurate with the learning experience. No more than one portfolio evaluation for a particular course per student will be arranged during any one semester. Each course must be in the college curriculum and must be part of the student's certificate or degree requirements. The cost for a portfolio evaluation is \$65.00 per credit hour (less the COF share of tuition) and payment must be made prior to the evaluation. Although credit for experience demonstrated by portfolio could count towards graduation from CCA, other colleges will have their own evaluation procedures for portfolio work and may not accept this credit in transfer.

## Challenge Examinations

Students may challenge a course, provided they are not enrolled in that course, by taking a comprehensive examination. Students must first meet with a Pathway Advisor, then with their appropriate academic dean. No more than one challenge of a particular course will be arranged during any one semester. The cost is \$45.00 per credit hour (less the COF share of tuition) and payment must be made prior to the examination. Successfully completed challenge exams will count towards applicable CCA courses, but may not transfer outside of CCA. Please consult a CCA Pathway Advisor or your transfer school for additional information.

## Evaluation Using Published Guides

Students desiring credit for formal training courses completed through the U.S. Armed Forces, corporate training programs or at other postsecondary education institutions may receive credit for these classes if they are listed in the American College of Education (ACE) guide, which is used by CCA to evaluate this type of prior learning. There is no charge for this method of evaluation.

## Academic Dishonesty

### Instructional Policy on Academic Dishonesty

Cheating, plagiarism, fabrication and deliberate misrepresentation with intent to mislead are examples of academic dishonesty which are prohibited at CCA

as detailed in the Student Code of Conduct. Cheating is the unauthorized use of another student's work or assistance with intent to deceive an instructor or other individual responsible for evaluating a student's work, examples of which include:

- Submission of any materials presented by a student as their own but not prepared by that student.
- The unauthorized possession and/or use of notes or books, the solicitation of assistance from another student or the secretive use of another student's answers during an examination.
- Illegitimate possession or distribution of examination or test materials and/or answer keys to tests and examinations.
- Plagiarism refers to the use of another person's work without giving proper credit to that person. If a student needs to use or reference another person's work, the student must give proper credit through the use of appropriate citation format when copying verbatim another person's work (i.e., words, phrases, sentences, or entire passages); paraphrasing another person's work (i.e., borrowing but rewording that person's facts, opinions, or ideas); or summarizing another's work (i.e., use of one's own words to condense longer passages into a sentence or two).

## Consequence of Academic Dishonesty

When dishonesty is evident, the following minimum sanctions will be applied:

- **First Offense:** The student may receive an F or zero as the grade for the assignment. The first incident may result in the loss of proctored testing privileges. The student's name will be added by the dean to the college-wide academic dishonesty list to facilitate tracking of additional offenses and the implementation of further sanctions if applicable.
- **Second Offense:** If a second offense occurs at any point in the student's academic career at CCA, the student may receive an F for the course and may be referred to the Chief Student Affairs Officer (CSAO) for an expulsion from the class or suspension from the college. A second offense may also result in permanent loss of proctored testing privileges. The second offense will be noted by the dean on the college-wide academic dishonesty list.
- **Third Offense:** If a third offense occurs at any point in the student's academic career at CCA, the student will receive an F for the course and may be referred to the Chief Student Affairs Officer (CSAO) for expulsion from the college. The third offense will again be noted by the dean on the college-wide academic dishonesty list.

## Attendance

Regular, punctual class attendance is necessary if students are to obtain maximum benefits from instruction. Students are expected to comply with attendance expectations set by individual instructors. They are expected to make up any classroom work assignments or other course requirements that are missed due to their absences.

## 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 a Pathway 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 <http://highered.colorado.gov/Academics/Transfers/gtPathways/default.html>. 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 a Pathway 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 a Pathway 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 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. Students should contact a Pathway 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:

<http://highered.colorado.gov/Academics/Transfers/gtPathways/programs.pdf>.

## Instructional Methods

### Traditional Face to Face

Traditional classes meet in a classroom the days and times as listed in the schedule. Students are expected to attend every class as listed. Faculty

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members teach each class in person, while providing consistent interaction between students. Traditional classes allow for group work, collaboration, and community among peers.

## Online (Internet) Learning

Online courses are offered using the Internet, making it convenient for you to complete assignments and interact with your instructors and classmates fully online. Your computer must pass the system check for online courses. Please check your system at <https://cca.desire2learn.com/d2l/systemCheck>. Additionally, students must have reliable Internet access for all online courses. To login to courses using Desire2Learn, students will simply log in to MyCCA, and click on the link to Desire2Learn for course access. If you have never taken an online class, it is strongly recommended that you meet with a Pathway Advisor before enrolling, especially if you are a new student to determine your preparation and skill level for the demands of an online course.

## Hybrid

Hybrid courses combine the flexibility of online courses with the opportunity to meet face-to-face with the instructor and classmates. Some of the work will be completed online using a learning management system, and the remainder through scheduled meeting times that are published for each course. Some or all meeting times may be mandatory depending upon the course and instructor.

## Weekend

Weekend classes are intended for students who may not be able to attend classes on weekdays, as well as for those who may wish to complete a degree or certificate in a shorter period of time. Classes may not meet every weekend. The first class will detail information about additional class sessions and course requirements. Consult the Schedule of Classes for a complete list of Weekend College classes and meeting dates.

## Independent Study

The College may provide for individual student needs through independent study. All requests for independent study are subject to the approval of the appropriate Dean of Academic Affairs. No more than 6 semester hours of independent study course work may be applied to any Associate degree program.

## Special Topics

Special Topics courses provide instruction on selected topics within a program. The number of semester hours of credit is determined by the department offering the course and approved by the Dean of Academic Affairs. No more than 6 semester hours of Special Topics course work may be applied to any Associate degree program.

## Supervised Field Experience

The Community College of Aurora recognizes the need for supervised field (off-campus) experience in various programs. Supervised field experience may be titled "work experience," "practicum" or "internship." These field experiences are designed to provide on-the-job training for students with the goal of increased employability upon completion of their education. In a supervised field experience, the community, its resources, and employees become an extension of the college. All supervised field experience courses include: (1) course descriptions; (2) an instructor with credentials in the program area to supervise the off-campus instruction; (3) course activities designed by the instructor; (4) attendance at a minimum of one class session per week with the assigned instructor; (5) a plan developed by the student and instructor, including all assignments required for completion of the course; (6) grading following the established grading policy of the College; and (7) instructor scheduling of the supervised field experience hours, requiring the same types of assignments and preparation as for on-campus courses.

## Career and Technical Education (CTE)

The Associate of Applied Science degree programs and related certificate programs provide occupational education for students who are seeking job preparation, career mobility or job retraining.

# SERVICES FOR STUDENTS

## Academic Resources

### Library

The Library, located on the CentreTech campus in S202, provides students instructional support to ensure success at CCA. Students can access library and research services as well as instructor make up testing there. The Library has a computer lab as well as space for studying. Students fees include \$20 in printing and copying credit each semester. There are 2 study rooms that can be reserved for individual and group use in the Library.

The physical library collection at CCA is housed in the Library at the CentreTech Campus in S202. The Paralegal Department also provides access to a law collection in the Center for Simulation. Both collections are searchable through our online catalog. Books from over 100 Colorado libraries can be requested for delivery to Lowry at The Spot in North Quad 118. For information on obtaining books, eBooks, scholarly articles, and research assistance, please refer to the website: [www.ccaurora.edu/library](http://www.ccaurora.edu/library), or to the Library tab on your D2L home page.

### Instructor Make-up and Online Class Testing

Instructor make-up testing and testing for Community College of Aurora online classes is available during scheduled hours at the following locations:

#### Library, CentreTech Campus

Student Centre Building, Room S202  
Tel: 303-340-7542  
Email: [instructor.testing@ccaaurora.edu](mailto:instructor.testing@ccaaurora.edu)

#### Testing Center, Lowry Campus

West Quad Building, Lowry Student Services  
Tel: 303-340-7239  
Email: [LowryTesting@ccaaurora.edu](mailto:LowryTesting@ccaaurora.edu)

Hours and further information are available in MyCCA in the Resources tab, the Academic Support channel.

### Testing Services

The CCA Testing Center provides a variety of testing services for students and community members. We strive to offer testing services in a minimal distraction environment, to administer placement tests, certifications, and credit-for-prior learning exams. Visit the Testing Center webpage to view a full list of our services. Testing is available by appointment at the following locations:

#### Testing Center, CentreTech Campus

Administration Building, Room A205  
Tel. 303-360-4948

Email: [Testing@ccaaurora.edu](mailto:Testing@ccaaurora.edu)

#### Testing Center, Lowry Campus

West Quad Building, Lowry Student Services  
Tel. 303-370-7239  
Email: [LowryTesting@ccaaurora.edu](mailto:LowryTesting@ccaaurora.edu)

Testing at Buckley Air Force Base is also available for active duty members, their spouses and DOD/Civilians. Schedule your appointment by visiting the Testing Center's webpage.

**Placement Tests (Acculacer and LOEP) – by Appointment** at CentreTech and Lowry campus. Visit [www.CCAurora.edu/testing](http://www.CCAurora.edu/testing) to set your appointment.

The ACCUPLACER® and LOEP help our Pathway Advisors determine where to begin your educational program. The test serves to ensure success in college by

placing students in the appropriate-level courses. See the [www.CCAurora.edu/testing](http://www.CCAurora.edu/testing).

**Online/Distance Learning Proctoring Services – by Appointment** at the CentreTech Campus only.

The CCA testing center offers proctoring services for online courses, distance learning programs, or other testing needs at \$25 a test. Visit [www.CCAurora.edu/getting-started/testing/proctoring-services](http://www.CCAurora.edu/getting-started/testing/proctoring-services) for more information or to sign-up for a test.

**College-Level Examination Program (CLEP) – by Appointment** at the CentreTech Campus only.

The CLEP is a series of examinations that allow you to earn college credit for what you already know, regardless of where you learned it. CLEP is the most widely accepted credit-by-examination program in the United States. <http://clep.collegeboard.org/>. Study guides may be purchased in the CCA Bookstore. For more information about taking the CLEP at CCA, visit <http://www.CCAurora.edu/getting-started/testing/clep-dsst>

**DANTES Subject Standardized Test (DSST) – by Appointment** at the CentreTech Campus only.

The DSST Program offers over 35 examinations in a wide range of college-level academic, technical, and business subjects. [www.getcollegecredit.com](http://www.getcollegecredit.com). Study guides may be purchased in the CCA Bookstore. For more information about taking the DSST at CCA, visit <http://www.CCAurora.edu/students/academic-support/testing/dsst-testing>

Other testing services available include Castle Worldwide, Pearson VUE, TEAS (for paramedics and EMTs), as well as test preparation resources.

For more information, please visit <http://www.CCAurora.edu/getting-started/testing>.

#### There are two locations:

CentreTech Campus

16000 E. CentreTech Parkway, Rm A-205

Aurora, CO 80011

Phone: 303-360-4948

[testing@ccaaurora.edu](mailto:testing@ccaaurora.edu)

Lowry Campus

710 Alton Way

Lowry Campus West Quad (Bldg 903)

Denver, CO 80230

Phone: 303-360-7093

Testing at Buckley Air Force Base for active duty members, their spouses and DOD/Civilians. Registration is online.

### Academic Learning Center

CCA provides a variety of tutoring and other academic support programs. Assistance in math, writing skills (Writing Studio), English as a Second Language (ESL), and basic computer skills is offered in the Academic Learning Center at the CentreTech Campus, Classroom Building, Room C109. Math and writing skills tutoring (Writing Studio) as well as tutoring for basic CIS courses (Microsoft Office courses), are offered at the Academic Learning Center at the Lowry Campus, West Quad, Room 106. Accounting and science tutoring is also available at the Lowry campus. Tutoring schedules are available in the Academic Support channel on the Resources tab in MyCCA. Contact 303-360-4742 or 303-340-7536 for more information.

## Additional Resources

### CARE Team (Conflict, Assessment, Resources and Empowerment)

The CARE Team's purpose is to provide a cross-functional, multidisciplinary point of contact for members of the college community to share student behaviors of concern. The team will act promptly to follow-up with the individual initiating the report, determine if there are any additional warning signs or reasons for concern (i.e., student code of conduct violations), and meet with the student to develop a plan. Our intent is to be caring and preventive.

We encourage you to contact the team if you have concerns about student behavior you have observed in your classroom or other locations on campus. There is an online referral form available for your use [www.ccaurora.edu/care-report](http://www.ccaurora.edu/care-report). For immediate attention contact the CARE Team through Angie Tiedeman, Coordinator of Student Intervention & Conduct, at (303-340-7524) or [Angie.Tiedeman@ccaaurora.edu](mailto:Angie.Tiedeman@ccaaurora.edu), or Reyna Anaya, Dean of Students, at (303-360-4721) or [Reyna.Anaya@ccaaurora.edu](mailto:Reyna.Anaya@ccaaurora.edu).

If you feel that the behavior you are observing poses an immediate threat or danger to self or others call or text Security: CentreTech Campus: 303-916-5275. Lowry Campus: 303-419-5557 or dial 911.

For additional information and resources, please visit [www.ccaurora.edu/care](http://www.ccaurora.edu/care).

### Career Services

The Community College of Aurora's Career Center provides a variety of online and face-to-face resources to assist you with career exploration, career skills development and internship/employment opportunities. With a Guided Pathway approach, the Career Center staff can help you determine your CCA pathway and provide guidance along the way to achieving your personal career goals.

The services provided to assist you on your career path include:

- Career advising
- Career and skills assessments
- Career development workshops
- Online career resources
- Online internship and job boards
- Employer networking opportunities: on campus recruiting, job shadow opportunities, and more
- Career Fairs and events

The Career Center is located on the CentreTech Campus on the second floor of the Administration building in room 201. The center is open Monday through Thursday 9:00am until 5:00pm and on Friday by appointment. Individual advising appointments are strongly encouraged and can be scheduled in person at either campus, by phone at 303-340-7231 or by our CCA Career Corner website:

[www.purplebriefcase.com](http://www.purplebriefcase.com). Walk-in services are available, however appointments are recommended.

### College Book Store

The bookstore is located in the Student Centre, CentreTech Campus, Room S107.

### Counseling Services

Counseling Services provides a safe, confidential and welcoming place for students to talk about their concerns and experiences that are important to them. Counseling Services at CCA is free of charge to currently-enrolled students.

Call 303-360-4949 or [counseling@ccaaurora.edu](mailto:counseling@ccaaurora.edu) to schedule an appointment. If you or someone you know are experiencing a mental health emergency and need immediate assistance, contact the Colorado Crisis Line at: 844-493-TALK (8255).

### Emergency Assistance Fund Program

The Student Emergency Assistance Fund Program provides limited financial assistance to students who are unable to meet immediate, essential expenses because of a temporary hardship related to an unforeseen financial emergency and/or catastrophic event. This program is funded by donations to the CCA Foundation. For more information, please contact 303-340-7524.

### Inclusive Excellence

You matter. You are valued. You belong. CCA is a community that is committed to equity, diversity, and inclusion through Inclusive Excellence. We can only achieve this together.

CCA embraces Inclusive Excellence because we want our students, staff, instructors and faculty to learn and contribute within an inclusive environment. This means members of our College community will be active, respectful, and mindful of equity, diversity, and inclusion at all levels of engagement. Inclusive Excellence will provide a foundation for student and institutional success.

Recognizing our diversity is only the first step toward Inclusive Excellence. We must also be intentional in valuing cultural differences and experiences, while incorporating them into practices, curricula, and policies. The CCA community will be transformed through the following actions:

- Create an Inclusive Excellence plan
  - Incorporate evidence-based and inclusive teaching strategies and curricula in the classroom
  - Provide high quality, inclusive, and responsive programming and services outside the classroom
  - Assess and evaluate the practices, policies, and outcomes of the College for inclusiveness
  - Provide intentional faculty and staff professional development that focuses on the implementation of Inclusive Excellence
  - Communicate support and direction for Inclusive Excellence through institutional leaders
  - Identify, prioritize, and allocate resources that support Inclusive Excellence
  - Foster a climate for open dialogue
  - Facilitate Opportunities for cross-cultural interaction
- Sonder is a five-part developmental series for CCA Student Employees that facilitates the learning of theoretical concepts surrounding Inclusive Excellence and reflects practical applications within personal lives, academic pursuits, and supporting the Student Employee's department. If you would like to be added to a future Sonder cohort, or have any questions, please contact Mike Roderique, Inclusive Excellence Training Coordinator, at [michael.roderique@ccaaurora.edu](mailto:michael.roderique@ccaaurora.edu) or 303-360-4743. For more information about Sonder please visit this link <https://www.ccaurora.edu/about-cca/inclusive-excellence/ie-cca-students>.

To learn more about how to get involved in Inclusive Excellence please visit this website <https://www.ccaurora.edu/about-cca/inclusive-excellence/council-meetings-leadership-team>

### Meal Plan

The CCA Paragon Meal Plan Card allows students, faculty and staff to pre-purchase meals for the Paragon Grille at a 10% discount. The Paragon Meal Plan Card is eligible to use at both the CentreTech and Lowry Campuses. To purchase a Meal Plan Card, please visit the CCA Cashiers Office; both cash and credit card are accepted. For students who have been awarded financial aid you can charge a selected meal plan dollar amount to your CCA account. For more information, visit <https://www.ccaurora.edu/cca-paragon-meal-plan>.

## Military and Veteran Services

### VA Benefits

Veterans and eligible dependents can use educational benefits at CCA. The veteran certifying official will complete the certification once a Request for Certification is submitted each semester. All questions and forms should be submitted to Military & Veteran Services, CentreTech Campus, Administration Building, 303-360-4768. Additional information is available online at [www.CCAurora.edu/students/military-veterans](http://www.CCAurora.edu/students/military-veterans).

Students receiving education benefits through the Department of Veterans Affairs are only approved for courses toward their declared program at CCA and these are the only courses that the college can certify to the Department of Veterans Affairs. Students must declare a program objective with Admissions, Registration, & Records before the third semester at CCA. Students using VA benefits must submit official transcripts of all previous post-secondary education and training and military transcripts prior to their third semester to continue to have enrollment reported to the VA. The VA will not pay for duplicated coursework that meets CCA program requirements, whether the coursework was earned through CCA, another college or university, or military training. CCA is required to report all non-punitive grades to VA. Students are responsible for ensuring that satisfactory arrangements have been made for payment of tuition to the college.

### Military Deployment Procedures

Military personnel, and emergency management officials who are deployed on Temporary Duty (TDY) during a term should contact their instructor for special consideration. Documentation of official activation/deployment and TDY assignment is required, and any special considerations must be approved by the Vice President of Academic Affairs.

## Office of Student Intervention & Conduct

The Office of Student Intervention & Conduct provides guidance, resources, and services that support CCA students in overcoming challenges that may prevent college completion, transfer and employment. Specifically, the Office works to promote safety and security, strengthen personal responsibility and accountability, engage campus-wide collaboration, and provide case management and training opportunities. Please contact, Angie Tiedeman, Coordinator for Student Intervention & Conduct, at 303-340-7524 for assistance. For additional information visit <https://www.ccaurora.edu/Assistance>.

## Resources for Students with Disabilities

The Office of Disability and Equity (ODE) provides assistance to students with disabilities in order to create an equitable learning environment. ODE prepares students for academic success through information, resources, and tools such as alternate media, assistive technology, interpreter services, and accommodations.

For more information, go to [www.CCAurora.edu/disability](http://www.CCAurora.edu/disability). The Office of Disability and Equity is in S202A, located at the CentreTech Campus in the Student Centre Building. You may contact us for more information by calling 303-360-4781, fax 303-340-7551, or email [ODE.CCA@CCAurora.edu](mailto:ODE.CCA@CCAurora.edu). Documentation of the functional impact the disability has on the student in a learning environment may be provided through the contact information listed below. Determination of reasonable accommodations will be made on a case-by-case basis. Please provide reasonable notice in order to allow us sufficient time to process the request.

## Student Health Insurance

CCA does not provide health insurance for students. Information about health insurance options for students is available at <https://www.ccaurora.edu/health-insurance-information>.

## Student ID Cards

Student ID cards are issued once a student is registered for classes. You can get your Student ID card at the Welcome Centers on both the CentreTech Campus (Administration Building) and the Lowry Campus (West Quad). Obtaining a student ID card is optional, but is required to utilize the Lowry Computer Lab and the Library. There is no charge for a student ID card.

## Student Life

The Office of Student Life is here to help you get involved at CCA! We facilitate student learning through *Involvement*, *Leadership* and *Service*. We believe student involvement can help enhance your college experience, and provide opportunities for you to grow personally and professionally, while also developing leadership skills, lasting friendships, and a stronger sense of community. Student Life is committed to providing a welcoming and inclusive environment for all CCA students.

### Involvement

- Have fun, meet other people and enhance classroom learning by attending lectures, panel discussions, awareness days, or open mic nights
- Develop leadership and time management skills by joining a Student-Led Organization (SLO). SLOs are a great way to get involved with campus events and activities. SLOs focus on academics, spirituality, culture, special interests and much more. Student Life staff can help you start a new SLO!

### Leadership

- Participate in the myQUEST leadership program. myQuest is open to all students at CCA and will equip you with knowledge, skills, and attitudes to help you become an engaged and active leader. Society and employers are demanding leaders know more, and Student Life is committed to providing leadership programming to serve your needs. Learn more and get involved at [www.ccaurora.edu/myquest](http://www.ccaurora.edu/myquest).

### Service

- Give back to the greater Aurora community by volunteering your. Student Life promotes ongoing volunteer opportunities in the community. Ask us for more information!

To learn more and to get involved, contact us.

Website: [www.ccaurora.edu/studentlife](http://www.ccaurora.edu/studentlife)

Email: [student.life@ccaaurora.edu](mailto:student.life@ccaaurora.edu)

CentreTech Campus: Student Centre, #S102, 303-340-4729

Lowry Campus: West Quad, Building 903, #110, 303-340-7525

### Student Government Association

The Student Government Association (SGA) is the voice of the student body at CCA. The purpose of SGA is to promote student leadership and foster college pride. SGA is committed to addressing and serving the needs of students to enrich the college experience for all. You can run for an elected position or participate in regular meetings open to all students. To get involved please contact [sga.ccaurora@gmail.com](mailto:sga.ccaurora@gmail.com) or stop by the Student Life office.

### Phi Theta Kappa

Phi Theta Kappa is the International Honor Society of two-year colleges. The Alpha Pi Pi chapter here at CCA strives to provide members with leadership opportunities, and ways to get involved on campus and in the community. Students who have achieved a cumulative grade point average of 3.5 and above and have completed at least 12 credit hours at CCA are invited to join. Phi Theta Kappa sends invitations for membership at the beginning of every semester. For more information email [student.life@ccaaurora.edu](mailto:student.life@ccaaurora.edu) or stop by the Student Life office.

## Student Success Center

The mission of the Student Success Center is to promote student success through dedicated support in an inclusive and authentic academic community. The following programs are housed in the Student Success Center:



- **Transfer Success Office**- serves students interested in completing their associate's degree and transferring to a four year college or university to earn a bachelor's degree.
- **TRIO Student Support Services (SSS)** - serves first-generation college students, students who are designated as low income or who have a documented disability
- **TRIO Student Support Services English as a Second Language (SSS-ESL)** - also serves first-generation college students, students who are designated as low income or who have a documented disability and is specifically designed for students whose native language is not English.
- **COSI Student Support Services** – serves students who receive the Colorado Opportunity Scholarship Initiative (COSI) scholarship.
- **Brother 2 Brother Program** – The B2B program's mission is to provide support and tools for success in academics and life, focusing especially on supporting students who identify as male.
- **Partner Programs** - the Student Success Center also serves students connected to a variety of scholarship programs. Additionally, the Center encompasses all ASCENT students from three public school districts.

The goal of each program is to support students in meeting their individual college goals through degree completion, transfer and/or career exploration. Capacity in these programs is limited and students wishing to participate in certain programs must complete an application and participate in a brief interview. Students wishing to participate must complete an application and participate in a brief interview. Students participating in these programs are expected to meet with an assigned advisor regularly, participate in workshops and other center events (fall and spring welcome back events), utilize various academic supports and participate in the AAA 101 course where appropriate.

The Student Success Center also provides programming that is open to all interested students regardless of whether they are participating in one of the Center's programs. This programming includes Transfer Fairs offered each semester, tours to four-year college and university campuses, and universities, and individual meetings with transfer representatives from college and universities. To find out more about our programs and to learn how to get involved contact the Student Success Center via email or phone at [StudentSuccess.CCA@CCAurora.edu](mailto:StudentSuccess.CCA@CCAurora.edu) or 303-361-7370.

# MY STUDENT RECORD

## Catalog of Record Policy

Students enrolling at CCA 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 changes their degree or certificate programs, they will become subject to the provisions of the catalog current with their next enrollment.

## Degree and Certificate Changes

Before changing or adding certificates or degrees, it is recommended that you first consult with your Pathway 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.

Curricula changes 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 Pathway Advisor or Financial Aid prior to the beginning of the term."

## Repeating Courses

If the exact same course has been taken two or more times at CCA, registration for that specific course will not be permitted until an action plan is created and approval is granted by a Pathway Advisor.

## Grading and Evaluation

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.

Grades are available at the end of each semester for all students. Grades may be accessed online at [www.CCAurora.edu](http://www.CCAurora.edu). Click on the MyCCA link and enter student ID number and password. Grades will not be provided by the Admissions, Registration and Records office during the time final grades are being processed. Any questions about grades during this time should be referred to the instructor.

## Explanation of Grading Structure

Grade	Implication	Grade Points
A	Excellent or Superior	4
B	Good	3
C	Average	2
D	Deficient	1
F	Failure	0
I	Incomplete	0
I/U	Incomplete Developmental Course	0
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
W	Withdrawal	NGPA
AU	Audit	NGPA
AW	Administrative Withdrawal	NGPA
SP	Satisfactory Progress	NGPA
CPL	Credit for Prior Learning	NGPA
PLA	Prior Learning Assessment	NGPA

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 must be approved by the division dean of academic affairs, and will be processed by the Admissions, Registration and Records office. Once an Incomplete Grade Contract is 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 (G.P.A.) 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 111	Physical Anthropology	3	A	12 (3x4)

BIO 201	Human Anatomy & Physiology I	4	A	16 (4x4)
CSC 116	Logic and Program Design	3	B	9 (3x3)
ENG 121	English Composition I	3	D	3 (3x1)
POS 111	American National Government	3	F	0 (3x0)
<b>Total</b>		<b>16</b>		<b>40</b>

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, U/D, U/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

## 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 100 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.

## Recognition of Academic Excellence

Transcripts will note the following:

- 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
- Membership in Phi Theta Kappa - cumulative GPA of 3.5 or above, with a minimum of 12 semester hours in residency at CCA.
- Honor designations are noted on transcripts each term to students who complete a minimum of 12 semester GPA producing credits at CCA with a 3.5 or better GPA for the term. Term honors are designated as follows:
  - 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

## 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. A Pathway Advisor can help students understand these policies, standards and rights as a CCA student.

### Academic Progress Guideline

All CCA students are expected to maintain satisfactory academic progress. Recognizing the value of measuring academic progress for all students, CCA has established the following practice and procedures for measuring academic standing. This procedure is intended to be informational and helpful, but also establishes clear standards of academic progress that must be met and maintained in order to be a successful student at CCA. A student's academic

standing at one Colorado Community College System (CCCS) college will impact academic standing at all CCCS colleges.

## Academic Progress Process

For students who have attempted fewer than 9 credit hours, CCA will monitor satisfactory progress through an academic alert process. These students are not subject to Academic Standing.

Academic Standing applies to all students who have attempted 9 or more college-level credits at a CCCS college, regardless of the number of term credits they attempt from that point forward. Academic Standing is applied consistently and uniformly within each CCCS institution. CCA will determine Academic Standing following the posting of the majority of term grades for each semester. Students placed on probation or suspension will be notified of their status. Suspended students will not be allowed to attend any CCCS college in the subsequent semester(s) unless an appeal is approved. Academic Standing status will be noted on the advising, official, and unofficial transcripts. The Academic Standing of a student is not specific or limited to CCA as it will impact a student's enrollment at other CCCS colleges.

## Academic Progress Definitions

Only college level classes will be used to calculate term and cumulative GPA's.

- Summer courses are included in the calculation.
- Only courses taken "in residence" will be used for this procedure; "In residence" means courses taken at CCA. Courses taken elsewhere and transferred in do not apply. The GPA calculations for this procedure may not match those used for financial aid purposes.

## Academic Progress Standards

**Initial Standing:** Student has attempted fewer than 9 cumulative credit hours with a cumulative GPA that is greater than or equal to 2.0 for all classes attempted.

**Academic Alert:** Student has attempted fewer than cumulative 9 credits with a cumulative GPA less than 2.0 for all classes attempted.

**Good Standing:** Student has attempted at least 9 cumulative credit hours and has a cumulative GPA greater than or equal to 2.0 for all classes attempted.

**Probation:** Student has attempted at least 9 cumulative credit hours and has a cumulative GPA less than 2.0 for all classes attempted.

**Returning to Good Standing:** By the conclusion of the Academic Probation term, the student must raise their cumulative GPA to at least 2.0. If this condition is met, the student returns to Good Standing.

**Probation (continuing):** If a student on Academic Probation earns a term GPA of at least 2.00 for all classes attempted during the term, but fails to raise their cumulative GPA to at least 2.0 for all classes attempted, the student will be allowed to attend the next term, but will remain on Academic Probation.

**Suspension:** If a student on Academic Probation earns a term GPA of less than 2.0 for all classes attempted, the student will be suspended and will not be allowed to enroll at any CCCS college for the next term, excluding summer term (as summer term may not be used as a "suspension term").

## Academic Progress Suspension Rules

- Summer term may not be used as a "suspension term".
- Summer term may be used to remediate (improve) the GPA if approved by CCA. If a student wishes to enroll for summer term after being suspended, they will need to follow CCA's Suspension Reinstatement Procedure.
- Initial suspension is for one term, excluding summer term.
- A second suspension is for two terms, excluding summer term.
- If a student, who has served the suspension time for initial suspension or second suspension, wishes to return, the student will be allowed to re-enroll only after meeting with a CCA Pathway Advisor. The student will be placed on Academic Probation.
- A third suspension is for two full years, or 4 academic terms excluding summers.
- If a student, who has served the third suspension time of two years, wishes to return, the student must meet with a CCA Pathway Advisor.

## Academic Progress Suspension Appeals

- Students may appeal their suspension by following the CCA Suspension Reinstatement Procedure. If a student intends to transfer to another CCCS college, the student may appeal to the transferring CCCS college.
- If the student's suspension appeal is approved, the student will be placed on Academic Probation.
- Students put on Suspension will be dropped from all courses for any future terms. Students will not be able to register for courses until they meet the requirements outlined in the Suspension Reinstatement Procedure. Students are ultimately responsible for their enrollment and need to check their enrollment schedule for accuracy.

## Academic Progress Suspension Reinstatement Procedures

The Academic Suspension Reinstatement procedure requires that a student meet with a Pathway Advisor to review the Academic Suspension Reinstatement Packet. Students should prepare the following items and then schedule an appointment or visit the Advising Department during drop-in hours:

- A completed Suspension Reinstatement or Appeal form.
- A typed Letter of Appeal that explains the circumstances that lead to suspension and the steps taken to ensure these barriers have been addressed.
- Verify that you are in the correct degree or certificate program.
- Print a copy of your Degree Check program audit.

After review, the Pathway Advisor will notify the student of their reinstatement status in person or via their college email account. If the student is approved for reinstatement, the student must follow the planned and approved courses outlined in the Academic Reinstatement Plan. In order to continue enrollment at CCA, students must meet all requirements outlined in their Reinstatement Contract.

## Credit Completion Progress

Recognizing the value of credit completion for all students with regards to retention, transfer and credential attainment, CCA has established the following practice and procedures for measuring credit completion progress. Students must meet the standards of credit completion progress in order to be a successful student at CCA.

## Credit Completion Process

For students who have attempted fewer than 9 credit hours, CCA will monitor credit completion through an alert process. These students are not subject to the Credit Completion Progress guideline.

Credit Completion Progress standards apply to all students who have attempted 9 or more credits at CCA, regardless of the number of term credits they attempt from that point forward. Credit Completion Progress standards will be applied consistently and uniformly within each CCCS college. CCA will determine Credit Completion Progress standards following the posting of the majority of term grades for each semester. Students placed on warning 1, warning 2 or warning 3 will be notified of their status. Credit Completion Progress status will be noted on the advising and unofficial transcripts only (it will not be noted on the official transcript). The Credit Completion Progress status of a student is specific to CCA and does not impact a student's enrollment at other CCCS colleges.

## Credit Completion Definitions

- Credit Completion Progress includes all credit bearing classes (developmental and college level), which will be used to calculate the percent of attempted credits passed. This includes summer term courses.
- Only courses taken "in residence" will be used for this calculation; "In residence" means taken at CCA. Courses taken elsewhere and transferred to CCA do not apply. The credit completion rate for this procedure will not necessarily match those used for financial aid purposes or athletic eligibility.
- Grades considered to be passing when computing the percent of attempted credits passed are as follows: A, B, C, D, S/A, S/B, S/C, and S.

- Grades considered to be failing when computing the percent of attempted credits passed are as follows: I, I/U, F, U/D, U/F, W, and AW.
- Course Completion Rate is calculated by dividing the total attempted credits by the number of credits successfully completed as per the definitions above.

## Credit Completion Standards

**Initial Standing:** Student has attempted fewer than 9 cumulative credit hours will not be assessed for credit completion.

**Good Standing:** Student has attempted at least 9 cumulative credit hours and has a cumulative course completion rate of at least 50%.

**Warning 1:** Student has attempted at least 9 cumulative credit hours and has a cumulative course completion rate of less than 50% for the first time.

**Warning 2:** Student has attempted at least 9 cumulative credit hours and has a cumulative course completion rate of less than 50% for the second time.

**Warning (continued):** If a student on Credit Completion Probation passes 50% or more of their attempted term credits, but fails to raise their cumulative completion rate to 50%, they will be allowed to continue the next term, but will remain on Credit Completion Probation.

**Warning 3:** Student has attempted at least 9 cumulative credit hours and has a cumulative course completion rate of less than 50% for the third time.

## Credit Completion Warning Rules

- Students on Warning 1 will receive a communication regarding their credit completion status and will be given information on student support services at CCA.
- Students on Warning 2 will receive a communication regarding their credit completion status and will have a credit completion registration hold placed on their CCA student account. The student will not be able to make any changes to their student account until they meet with a Pathway Advisor.
- Students on Warning 3 will receive a communication regarding their credit completion status and will have a credit completion registration hold placed on their CCA student account. The student will not be able to make any changes to their student account until they meet with the Director of Advising. CCA reserves the right to limit the number of credit hours the student may enroll in when placed on Warning 3 status.

## 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 affairs explaining the problem. The dean will investigate and respond in writing within 15 business days.

## Veteran Academic Standards of Progress

Academic Standards of Progress, as described in this section, apply to all CCA students, including veterans. If a veteran stops attending classes, and receives an "F" for those classes, that will be reported to the VA as a withdrawal as of the last date of attendance as reported by the instructor. As long as veterans are on academic probation, and they continue to receive VA benefits, their status will be reported to the VA. If veterans are suspended from school due to lack of progress, VA benefits will be terminated for the length of the suspension.

## 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. Permission of a Pathway Advisor is required to register for a class for the third (and any

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subsequent) time. Repeated courses apply only once to degrees and certificates.

## Academic Renewal Policy

The purpose of academic renewal is to allow a student who 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 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, Room A102 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 a Pathway Advisor's signature. A student concerned about a poor academic record is encouraged to meet with a Pathway 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 Admissions, Registration and Records office, CentreTech Campus, Administration Building, Room A102.

## 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 Admissions, Registration and Records Office, CentreTech Campus, Administration Building, Room A102, and in the Advising center at Lowry, 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.

## Withdrawing from College

All students with six credit hours or more who withdraw from the college should start the withdrawal procedure with a Pathway Advisor in the Administration Building, Room A102, or in the Student Services office, Lowry Campus, West Quad, Room 119.

## Transfer Credit Evaluations

An official transcript must be mailed directly to CCA at Community College of Aurora, Attn: Credentials Evaluator, 16000 E. CentreTech Pkwy, Aurora, CO 80011 from the college where credit was initially earned or if your prior college offers a secure electronic transcript delivery system, have the transcript

emailed to [Records@CCAurora.edu](mailto:Records@CCAurora.edu). Transfer credit will be evaluated course by course based upon the student's declared degree or certificate. Generally, grades of "C" or better will be accepted in transfer.

Depending on program of study at CCA, and courses taken, some classes are not eligible for transfer after 5 years. Please consult a Pathway Advisor for details.

To initiate the transfer process, students should have official paper or electronic transcripts sent directly to the Community College of Aurora from previous accredited colleges and universities for official evaluation. CCA's credentials evaluator will transfer in appropriate courses after students have done all of the following:

- Complete an Admissions Application
- Request that all colleges previously attended send official transcripts directly to CCA
- Please visit [www.CCAurora.edu/transfer-in](http://www.CCAurora.edu/transfer-in) for transfer details.
- If you are a student who holds an international transcript and would like to have it evaluated for possible transfer of credit, you must first send the official transcript to a NACES-approved agency for evaluation, and translation, if necessary. Please visit <https://www.ccaurora.edu/file/download/25991> for further instructions. Confirmation letters will be mailed informing student that their transcript evaluation is complete and transfer credits are posted to their account. Students may review their degree plan including transfer credits through Degree Check. Students can access Degree Check by going to [www.ccaurora.edu](http://www.ccaurora.edu), logging into their MyCCA account, and then clicking on the Student Tab. It is the responsibility of the student to provide all required documents. Credit is typically evaluated and posted to the student record within 30 days of receipt at CCA. Documents become the property of the college and will not be released to the student or transferred to other institutions.

## Transcript Requests

The Admissions, Registration and Records Office, located at the CentreTech Campus, Administration Building, Room A102, maintains student records and issues transcripts. 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 the transcripts 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.

## Change of Address and Telephone Information

It is the responsibility of students to update their current addresses, telephone numbers, and email addresses online. If students are also employees of the Colorado Community College System, address changes must be made in person at the appropriate human resources office.

## Student E-Mail

All students are assigned a student e-mail account. Activate your account as soon as possible. Staff are available at both the CentreTech and Lowry campuses to help you activate your account. Your student e-mail account is the official method of communication with CCA.

# GRADUATION REQUIREMENTS

## Graduation Applications

Students who expect to complete their degree or certificate requirements and be eligible for graduation at the end of a semester must apply for graduation the semester before graduation is anticipated. This early application allows CCA's credentials evaluator to review their records and ensure that students register for the appropriate courses in their final semester. Application deadlines are shown below:

Planning to graduate at the end of:	Final Submission Deadline*:
Spring	March 1
Summer	July 1
Fall	November 1

\* - Applications received by the Final Submission Deadline will ensure that you are included in the commencement ceremony program and your application will be processed in the order received.

Applications received after the Final Submission Deadline will be processed with the next semester's graduating class. Spring applications received after the Final Submission Deadline will not be included in the commencement ceremony program.

The Graduation Application is available on the Student Tab of MyCCA from the "Steps to Graduate" button. Prior to the graduation application deadline, students should do the following:

- Verify that they are currently in the correct degree or certificate program
- Review their Degree Works audit to ensure that they have registered for the appropriate final semester courses
- Meet with a Pathway Advisor to discuss any questions or concerns about final semester courses
- Complete the Application for Graduation

Applications received after the deadline may not be evaluated prior to the start of one's final semester and could result in omission from the official program at the commencement ceremony.

## Degree and Certificate Policies

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 CCAonline 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.

## 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 credentials evaluator in writing. The credentials evaluator will work with the registrar, student, department chair and division dean of academic affairs as appropriate. The Office of Admissions, Registration, and Records will respond in writing within 15 days.

## 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.

# STUDENT RIGHTS AND RESPONSIBILITIES

## 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. This information will be contained in the CCA schedule that is available online every semester. In addition, required disclosures to employees will be in the form of an email that is sent once a semester and is also available online at [www.CCAurora.edu](http://www.CCAurora.edu).

## Disclosure

The CCA Web site has updated disclosure information on the following:

- Annual Campus Security Report and Student Right to Know
- Completion/graduation rates
- Drug and alcohol prevention
- Family Educational Rights and Privacy Act (FERPA)
- General information about the college: accreditation, financial aid, and equal opportunity
- Voter Registration

## Notice of Non Discrimination

The College has designated Cindy Hesse, Director of Human Resources, as its Affirmative Action (AA) Officer, Equal Opportunity (EO), and Title IX Coordinator with the responsibility to coordinate its civil rights compliance activities and grievance procedures. If you have any questions, please contact her by e-mail at [Cindy.Hesse@CCAurora.edu](mailto:Cindy.Hesse@CCAurora.edu), by phone at 303-360-4752 or by US mail at 16000 East CentreTech Parkway, Administration Building, Office A207E, Aurora, Colorado 80011. Dean of Students serves as the Deputy Title IX Coordinator.

## Student Right to Know and Campus Security Act

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 [www.ccaurora.edu/students/student-right-know](http://www.ccaurora.edu/students/student-right-know) and from the Director of Campus Security, CentreTech Campus, Administration Building, Room A103I. The College's Annual Security Report (ASR) can be found at the Lowry Campus and can be obtained online through the Colorado Community College System Web site at [www.cccs.edu](http://www.cccs.edu). Electronically, you may find a copy of both Lowry and CentreTech's ASR at the Campus Security and Safety link on [www.CCAurora.edu](http://www.CCAurora.edu). 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/>. Security at the CentreTech Campus is located in the Administration Building, Room A101, 303-360-4727. The Security office for the Lowry Campus is located at 700 Boston Street, 303-419-5557 or 720-858-2731.

## 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.

## Level of Security

The Community College of Aurora strives to provide a safe and healthy environment that enhances the learning process. Each student and employee should be able to attend classes, work on campus, and/or participate in activities with a feeling that they are in an environment that is safe and secure. The college provides its students and employees with a level of security equal to that afforded similar activities throughout the community.

## Drug and Alcohol Prevention

CCA supports the efforts of local, state, and federal governments in promoting a drug-free America, pursuant to Public Law 101. Information and policies are available in the Office of Student Intervention & Conduct, CentreTech Campus, or online at: <http://www.ccaurora.edu/students/student-right-know/drug-alcohol-prevention>.

## 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 Admissions, Registration and Records office, CentreTech Campus, Administration Building, Room A102 and online at [www.ccaurora.edu/students/student-right-know](http://www.ccaurora.edu/students/student-right-know).

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 Admissions, 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 Admissions, 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.

## Directory Information for FERPA

It is in the best interest of student safety and privacy to limit the disclosure of directory information to items that would provide immediate access to a student. Immediate access to a student could be obtained by disclosing student address, telephone number, or class schedule.

The following information is permissible for release and is considered part as the college's directory information:

- Student name
- Major Field of study
- Participation in officially recognized activities and sports
- Dates of attendance (semester, not individual class dates)
- Degrees and awards received
- Most recent educational institution attended
- Enrollment status (e.g. full-time, half-time, less than half-time, withdrawn, graduated or deceased)

Student's names and dates of attendance at CCA are considered public information. CCA responds to inquiries in this regard, whether they are made in person, by phone or in writing. Other items are also considered public information, but disclosure can be prevented. The Admissions, Registration and Records office must receive a written statement requesting the information to be withheld. Directory items can appear in college directories

and publications or be disclosed by staff to anyone inquiring in person, by phone, or in writing.

Student names may be released for graduation listings and lists of special awards, honors, events, and to the news media. In addition, graduation lists which may include student e-mail and address information may be released to 4-year institutions at the discretion of the college. All other information contained in student records is considered private and not open to public without student consent.

The following individuals have access to student records because of their official functions: CCA officials, officials at other schools and colleges to which the student applies, state or federal education authorities, officials evaluating the application for financial aid, state and local officials requesting reporting data, organizations conducting studies for educational institutions or agencies, accrediting organizations, parents of dependent students (proof of dependency is required - CCA will attempt to notify the student before releasing information), and the Department of Veterans Affairs. In addition, CCA may also provide information without consent to comply with Judicial orders, in emergencies where the information in the student file is needed to protect the health, safety, or welfare of the student or that of other persons, to institutions with whom CCA has transfer agreements and students have declared an intent to transfer to that institution, and in response to requests made by military recruiters who are granted access to students in higher education by the Solomon Amendment.

A complete copy of the Family Educational Rights and Privacy Act is available in the Admissions, Registration and Records office, CentreTech Campus, Administration Building, Room A102, at the Lowry Campus, Lowry Student Services Office, West Quad, Room 119 or online at [www.CCAurora.edu/students/student-right-know/ferpa](http://www.CCAurora.edu/students/student-right-know/ferpa).

## Financial Aid

Information is available in the Financial Aid office at the CentreTech Campus, Administration Building, Room A103, at the Lowry Campus, West Quad, Room 119 and online at [www.CCAurora.edu/students/student-right-know](http://www.CCAurora.edu/students/student-right-know). All students and prospective students are strongly encouraged to read the information available on the financial aid webpage <https://www.ccaurora.edu/getting-started/paying-college/financial-aid>.

## Voter Registration

CCA fully supports and advocates that our students and staff register to vote. You can register to vote online at [www.elections.colorado.gov/DDefault.aspx?tid=547](http://www.elections.colorado.gov/DDefault.aspx?tid=547). The CCA Admissions, Registration and Records office, CentreTech Campus, Administration Building, A102, and the Lowry Student Services Office in the West Quad, Room 119 have computers and staff available to assist you.

## Student Bill of Rights

The General Assembly implemented the Student Bill of Rights (C.R.S. 23-1-125) to assure that students enrolled in public institutions of higher education shall have the following rights:

- (a) Students should be able to complete their Associate of Arts and Associate of Science degree programs in no more than sixty (60) credit hours or their Baccalaureate programs in no more than one hundred twenty (120) credit hours unless there are additional degree requirements recognized by the Commission;
- (b) A student can sign a two-year or four-year graduation agreement that formalizes a plan for that student to obtain a degree in two or four years, unless there are additional degree requirements recognized by the Commission;
- (c) Students have a right to clear and concise information concerning which courses must be completed successfully to complete their degrees;
- (d) Students have a right to know which courses are transferable among the state public two-year and four-year institutions of higher education;
- (e) Students, upon completion of core general education courses, regardless of the delivery method, should have those courses satisfy the core course requirements of all Colorado public institutions of higher education;

(f) Students have a right to know if courses from one or more public higher education institutions satisfy the students' degree requirements;

(g) A student's credit for the completion of the core requirements and core courses shall not expire for ten years from the date of initial enrollment and shall be transferable.

## Student Code of Conduct

Upon enrolling at CCA, students assume an obligation to conduct themselves in a manner compatible with the college's function as a public educational institution. CCA expects each student to obey federal, state, and municipal laws as well as college regulations. In addition, students must adhere to the State Board for Community Colleges and Occupational Education Board Policies, the Colorado Community College System President's Procedures, and the CCA Student Code of Conduct explained below.

Any act which interferes with the learning process, rights of others, disrupts or impairs the normal functioning of the college, damages or destroys property, or impairs health or safety is grounds for disciplinary action. In most circumstances, the college will treat attempts to commit code of conduct violations as if those attempts had been completed. Violations of the Student Code of Conduct may result in, but are not limited to fines, restitution, community service, and/or disciplinary procedures.

## Student Code of Conduct and Grievance Procedures

### Student Code of Conduct and Grievance Procedures

Conduct that violates student rights and freedoms, and is subject to disciplinary action includes, but is not limited to:

1. **Disruptive Behavior:** Engaging in any disruptive behavior that negatively affects or impedes teaching or learning (regardless of mode of delivery or class setting); or disrupts the general operation of the college.
2. **Deceitful Acts:** Engaging in deceitful acts, including, but not limited to: forgery, falsification, alteration, misrepresentation, non-disclosure, or misuse of documents, records, identification and/or educational materials.
3. **Conduct that is Detrimental to College or to Safety:** Conduct that is deemed detrimental, harmful and/or damaging to the college and/or that jeopardizes the safety of others as determined by the Chief Student Affairs Officer (CSAO) or designee. Examples include, but are not limited to, slamming doors, throwing chairs, and/or defacing of college property, or property of others.
4. **Physical/Non-physical Abuse:**
  - Physical abuse or conduct that threatens or endangers another person's health or safety.
  - Non-physical abuse, threats, intimidation, coercion, influence, or any unwelcome conduct in any form that is sufficiently severe, pervasive or persistent that it alters the conditions of the learning environment or employment.
  - Knowingly falsifying, publishing or distributing, in any form, material that tends to impeach the honesty, integrity, virtue or reputation of another person.
5. **Harassment and/or Discrimination:** Discrimination or harassment on the basis of sex/gender, race, color, age, creed, national or ethnic origin, physical or mental disability, veteran status, pregnancy status, religion or sexual orientation.
6. **Sexual Misconduct:** Sexual Misconduct offenses include, but are not limited to Sexual Harassment, Non-Consensual Sexual Contact (or attempts to commit same), Non-Consensual Sexual Intercourse (or attempts to commit same), and/or Sexual Exploitation. (See SP 4-120a for more information: <http://www.cccs.edu/SBCCOE/Policies/SP/PDF/SP4-120a.pdf>)
7. **Weapons:** Possession or distribution of any unauthorized firearms, ammunition, explosives, fireworks and/or other dangerous weapons (or chemicals/flammable liquids) or use/threat of use of any instrument (including, but not limited to paint ball guns, pellet guns, air soft guns, bow and arrows, knives) as a weapon to intimidate, harass, or cause harm to others.
8. **Narcotics/Alcohol:** Use, being under the influence, manufacturing, possession, cultivating distribution, purchase, or sale of alcohol and/or



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- drugs (illegal and/or dangerous or controlled substance) and/or alcohol/drug paraphernalia while on college owned or college controlled property, and/or at any function authorized or supervised by the college and/or in state owned or leased vehicles. Note: Although possession and use of marijuana consistent with the requirements of the Colorado Constitution is no longer a crime in the State of Colorado, the possession and use of marijuana remains illegal under federal law. Consistent with federal law, including the Controlled Substances Act and the Drug Free Schools and Communities Act, the use and/or possession of marijuana continues to be prohibited while a student is on college owned or college controlled property, and/or any function authorized or supervised by the college and/or in state owned or leased vehicles.
9. **Dress Code:** Dress or personal hygiene that fails to meet the established safety or health standards of specific classes or activities offered by the college.
  10. **Leaving Children Unattended:** Leaving children unattended or unsupervised in campus buildings or on campus grounds unless enrolled or participating in authorized campus activities.
  11. **Violation of Laws, Directives, and Signage:**
    - Violations of any municipal, county, state or federal law that adversely impacts the conditions of the educational or employment environment. Violations of college traffic and parking rules, regulations, or signage.
    - Damage to or falsely using fire alarms and/or fire extinguishers.
    - Creating an intentional obstruction that unreasonably interferes with freedom of movement, either pedestrian or vehicular. This includes, but is not limited to leading or inciting disruption to college activities.
    - Failure to comply with the lawful directives of College employees acting within the scope of their duties, including those directives issued by a College administrator to ensure the safety and wellbeing of others.
    - Violations of college policies, protocols, procedures or signage.
  12. **Illegal Gambling:** Participation in illegal gambling activities on college owned or college controlled property, and/or any function authorized or supervised by the college and/or in state owned or leased vehicles.
  13. **Unauthorized Entry and/or Unauthorized Possession:** Entry into, or use of any building, room, or other college-owned or college-controlled property, grounds, or activities without authorized approval. This also includes, but is not limited to the unauthorized possession, duplication or use of college keys, lock combinations, access codes, and access cards and/or credentials and/or propping open or tampering with doors/windows.
  14. **Unacceptable Use of College Equipment, Network or System:** Unacceptable uses of any college-owned or operated equipment, network or system including, but not limited to: knowingly spreading computer viruses; reposting personal communications without author's consent; copying protected materials; using the network for financial or personal gain, commercial activity, or illegal activity; accessing the network using another individual's account; unauthorized downloading/uploading software and/or digital video or music; downloading/uploading, viewing or displaying pornographic content, or any other attempt to compromise network integrity.
  15. **Unauthorized Pets/Animals:** Possession of any unauthorized pet or animal, excluding trained service animals while on college-owned or college-controlled property.
  16. **Tampering with Student Organization, Election, or Vote:** Tampering with the process of any college recognized student organization, election or vote.
  17. **Group or Organization Conduct:** Students who are members of a college recognized student organization or group and commit a violation of SCOC may be accountable both as an individual and as a member of the student organization.
  18. **Abuse of the Student Disciplinary and/or Grievance Procedure:** Abuse of the Student Disciplinary and/or Grievance Procedure includes, but is not limited to the following:
    - Disruption or interference with the orderly conduct of the student disciplinary / grievance procedure.
    - Falsification, distortion, or misrepresentation, or knowingly pursuing malicious, frivolous, or fraudulent charges.
    - Attempting to discourage an individual's proper participation in, or use of, the student disciplinary / grievance procedure.

- Attempting to influence the impartiality of a participant and/or the student disciplinary / grievance procedure.
- Harassment (verbal or physical) and/or intimidation of a participant in the student disciplinary / grievance procedure.
- Failure to comply with directives and/or sanctions imposed under student disciplinary / grievance procedure.
- Influencing or attempting to influence another person to commit an abuse of the student disciplinary / grievance procedure.
- Engaging in retaliatory acts in any form against any person or person(s) involved in the student disciplinary / grievance procedure

19. **Unauthorized Entry into College Events:** Entering or attempting to enter any college-sponsored activity without proper credentials for admission.

## Definitions

*Code of Conduct:* A document developed and published by each college which defines prescribed conduct of students.

*Chief Student Affairs Officer (CSAO):* The individual designated by the college president to administer student affairs and be responsible for administering the College's Student Conduct Code and this procedure. The CSAO may delegate student discipline to another individual (designee).

*Title IX Coordinator(s) and Title VI and VII Coordinator(s) (EO Coordinator):* The employee(s) designated by the college president to oversee all civil rights complaints.

*Notice:* Notices which are required to be given by this procedure shall be considered served upon the student when given by personal delivery, mailing by certified mail, or emailing the student to their official college email address requesting a delivery receipt notification. If notice is mailed, student shall be given three (3) additional days to respond.

*Day:* Refers to calendar day unless otherwise noted below.

*Sanctions:* One or more of the following may be imposed when there is a finding that a student has violated the College's Code of Conduct.

- *Warning:* A Notice served upon the student advising them that they are violating or has violated College regulations.
- *Probation:* After a finding of violation of the Code of Conduct, restriction of student's privileges for a designated period of time including the probability of more severe disciplinary sanctions if the student is found to be violating any College regulations during the probationary period.
- *Interim Suspension:* An immediate action taken by the CSAO to ensure the safety and well-being of members of the college community; preservation of college property; or if the student poses a definite threat of disruption or interference to others or the normal operations of the college. In the event of an interim suspension, the hearing before the CSAO or designee shall occur as soon as possible following the interim suspension. If the college issues a permanent sanction, the student shall be afforded appeal rights as discussed below. If the college does not implement a permanent sanction, the interim suspension will be removed from the student's record.
- *College Suspension:* An involuntary separation of the student from the College for misconduct not based on academic performance for a specified period of time. Suspension is a separation that shall not exceed three academic terms per suspension for any singular offense or situation. While a student is suspended, they are not eligible for admission or re-admission at any of the community colleges within CCCS. Once the suspension is lifted the student is eligible for admission or re-admission. Examples of suspension include, but are not limited to the following: the college, a department or program, a class, residence hall, use of a college facility or an activity. Students may be suspended from one class period by the responsible faculty member or adjunct instructor. Longer suspensions can only be implemented by the CSAO or designee in accordance with this procedure.
- *Expulsion:* An indefinite separation from the college. The student is not eligible for admission or re-admission at any of the community colleges within CCCS. In exceptional cases where a student wants to be considered for admission or re-admission after an expulsion has been implemented, the student bears the burden to prove the behavior that resulted in the expulsion has been resolved. It is within the college's discretion to admit or deny the student.
- *Other disciplinary sanctions:* fines, restitution, denial of privileges, assignment to perform services for the benefit of the college or

community; or other sanction that doesn't result in the student being denied the right of attending classes.

## Procedures

The CSAO or designee shall receive all allegations of student misconduct and investigate the complaints, which includes meeting with the student to give them the opportunity to respond to the allegations of misconduct. If the allegations of misconduct are discrimination and/or harassment based on federal or state civil rights laws, the college will investigate those incidents through the Civil Rights Grievance and Investigation Process, System President's Procedure (SP) 4-31a.

Once the investigation is complete, either through this process or the Civil Rights Grievance and Investigation process, the CSAO or designee shall render a sanction decision.

The CSAO or designee may decide that the charges can be disposed of administratively by mutual consent of the parties involved on a basis acceptable to them. If an administrative resolution is not achieved, the CSAO or designee shall issue a decision which determines whether the alleged conduct occurred; whether the conduct violated the Code of Conduct or College procedures; and impose a sanction(s) if appropriate. The student shall receive written notice of the decision and be advised of their right to appeal the Decision, subject to the grounds below, by filing a written appeal with the CSAO or designee within seven (7) days of service of the Decision.

## Appeal

In the event of an appeal, the CSAO or designee shall give written notice to the other party (e.g., if the accused student appeals, the appeal is shared with the complainant who may also wish to file a response), and then the CSAO or designee will draft a response memorandum (also shared with all parties). All appeals and responses are then forwarded to the appeals officer or committee for initial review to determine if the appeal meets the limited grounds and is timely. The original finding and sanction will stand if the appeal is not timely or substantively eligible, and the decision is final. If the appeal has standing, the documentation is forwarded for consideration. Because the original finding and sanction are presumed to have been decided reasonably and appropriately, the party appealing the decision must specifically cite the error(s) in the original determination on which the appeal is based. The ONLY grounds for appeal are as follows:

1. A material procedural or substantive error occurred that significantly impacted the outcome of the hearing (e.g. substantiated bias, material deviation from established procedures); which must be explained in the written appeal; or
2. To consider new evidence, unavailable during the investigation or hearing that could substantially impact the original finding or sanction. A summary of this new evidence and its potential impact must be included in the written appeal, as well as the reasons the new evidence was not available during the original proceeding.

If the appeals officer or committee determines that a material procedural or substantive error occurred, it may return the complaint to the CSAO or designee with instructions to reconvene to cure the error. In rare cases, where the procedural or substantive error cannot be cured by the CSAO or designee in cases of bias, the appeals officer or committee may order a new hearing be held by a different individual acting in the place of the designated CSAO or designee. The results of a reconvened hearing cannot be appealed. The results of a new hearing can be appealed, once, on the two applicable grounds for appeals.

If the appeals officer or committee determines that new evidence should be considered, it will return the complaint to the CSAO or designee to reconsider in light of the new evidence, only. If the subject matter pertains to discrimination and/or harassment pursuant to SP 4-31a, the appeals officer or committee will return the complaint to the Title IX/EO Coordinator to reconsider in light of the new evidence, only. The reconsideration of the CSAO, designee, or Title IX/EO Coordinator is not appealable.

*The procedures governing the hearing of appeals include the following:*

- All parties should be timely informed of the status of requests for appeal, the status of the appeal consideration, and the results of the appeal decision;

- If the appeals officer or committee determines there is new evidence or error in the original proceeding, every opportunity to return the appeal to the CSAO or designee for reconsideration (remand) should be pursued;
- Appeals are not intended to be full rehearings of the complaint (de novo). In most cases, appeals are confined to a review of the written documentation or record of the original hearing, and pertinent documentation regarding the grounds for appeal;
- An appeal is not an opportunity for an appeals officer or committee to substitute their judgment for that of the CSAO or designee merely because they disagree with its finding and/or sanctions.
- Appeals decisions are to be deferential to the original decision, making changes to the findings only where there is clear error and a compelling justification to do so.
- Sanctions imposed are implemented immediately unless the CSAO or designee stays their implementation in extraordinary circumstances, pending the outcome of the appeal.
- The appeals officer or committee will render a written decision on the appeal to all parties within four (4) days from receiving the appeal request. The committee's decision to deny appeal requests is final.

## Special Discipline Process Provisions

- In the event that the student is under the age of eighteen or incapacitated, they may have an advisor present to assist them in presenting their case.
- Students do not have the right to be represented by an attorney or law student during these proceedings except in the case where civil or criminal actions concerning the student are pending and in that case the attorney's role shall be advisory only.
- The student is responsible for presenting their own case and, therefore, advisors are not permitted to speak or to participate directly in any hearing except when the student is under the age of eighteen or incapacitated.
- Student shall have the right to identify documents, witnesses and other material they would like the CSAO or designee to review before making a final decision.
- Any hearing held shall be conducted in private unless all parties agree otherwise.
- A record of the hearing should be maintained by the CSAO or designee.
- If student has a disability and would like to request an accommodation to assist them through the discipline process they may do so by informing the CSAO or designee. The CSAO or designee will then work with disability support services to accommodate the request.
- Jurisdiction-College disciplinary proceedings may be instituted against a student charged with violation of a law if the violation occurred at the College or college-sanctioned activities or was of such a nature to have an impact on the college and the violation is also a violation of the college's student code of conduct.
- Proceedings under this procedure may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus.
- Standard of proof-the college will use the preponderance of evidence standard in the disciplinary proceedings, meaning, the college will determine whether it is more likely than not a conduct code was violated.
- All sanctions imposed by the original decision maker will be in effect during the appeal. A request may be made to the CSAO or designee for special consideration in exigent circumstances, but the presumptive stance of the institution is that the sanctions will stand. Graduation, study abroad, internships/externships/clinical placements, etc. do not in and of themselves constitute exigent circumstances, and students may not be able to participate in those activities during their appeal. In cases where the appeal results in reinstatement to the institution or of privileges, all reasonable attempts will be made to restore the student to their prior status, recognizing that some opportunities lost may be irretrievable in the short term.
- The procedural rights afforded to students above may be waived by the student.

## Retaliatory Acts

It is a violation of this procedure to engage in retaliatory acts against any employee or student who reports an incident(s) of code of conduct violations or any employee or student who testifies, assists or participates in the discipline proceeding, investigation or hearing relating to such allegation(s) of code of conduct violations.

## Revising this Procedure

CCCS reserves the right to change any provision or requirement of this procedure at any time and the change shall become effective immediately.

# Student Grievance Procedures (SP 4-31)

## Basis

This Student Grievance Procedure is intended to allow students an opportunity to present an issue which they feel warrants action, including the right to secure educational benefits and services.

If the basis of the claim is discrimination and/or harassment based on federal or state civil rights laws, the student must file a grievance under the Civil Rights Grievance and Investigation Process. If the accused (respondent) is a student, please refer to SP 4-31a. If the respondent is a CCCS employee, please refer to SP 3-50a.

## Definitions

**Complainant(s)** is a person who is subject to alleged inequity as it applies to Board Policies, System President's Procedures, or College Procedures. For purposes of this procedure, a complainant is student who was enrolled at the time of the alleged incident.

**Respondent(s)** is a person whose alleged conduct is the subject of a complaint. For purposes of this procedure, a respondent can be a CCCS employee(s), student(s) who was enrolled at the time of the alleged incident, authorized volunteer(s), guest(s), visitor(s), or college.

**Grievance:** A grievable offense is any alleged action which violates or inequitably applies State Board Policies, System President's Procedures, and College Procedures. The complainant must be personally affected by such violation or inequitable action.

**Non-grievable matters:** The following matters are not grievable under this procedure except as noted: matters over which the college is without authority to act; grades and other academic decisions unless there is an allegation that the decision was motivated by discrimination and/or harassment which should be filed under the appropriate Civil Rights Grievance and Investigation Process.

**Chief Student Affairs Officer (CSAO):** The college employee designated by the college president to administer student grievances. The CSAO may delegate the responsibility over student grievances to another person.

**Notice:** Notices which are required to be given by this procedure shall be considered served upon the student when given by personal delivery, mailing by certified mail, or email with receipt notification to the address the student has filed with the College's admissions and records office. If notice is mailed, student shall be given three (3) additional days to respond.

**Day:** Refers to calendar day unless otherwise noted below.

**Remedy:** The relief that the Grievant is requesting.

## Filing a Complaint

All complaints shall be made as promptly as possible after the occurrence. A delay in reporting may be reasonable under some circumstances; however, an unreasonable delay in reporting is an appropriate consideration in evaluating the merits of a complaint or report.

## Procedures

Students must timely submit all grievances in writing by accessing the online form available at <http://www.ccaurora.edu/about-cca/right-know/complaint-policy-procedure/form>. The grievance should clearly and concisely describe the alleged incident(s), when and where it occurred, and the desired remedy sought. The grievance should be signed by the initiator or, in the case of an email submission, sent as an email attachment, in letter format and should contain the name and all contact information for the complainant. Any supporting documentation and evidence should be referenced within the body of the formal grievance. Additionally, the initiator of a formal grievance should submit any supporting materials in writing as quickly as is practicable.

The complainant's supporting documentation should clearly demonstrate all informal efforts, if any, to resolve the issue(s) with the person involved and the person's supervisor. This includes names, dates and times of attempted or actual contact along with a description of the discussion and the manner of communication made in the course of each effort. If contacting the person involved and/or the supervisor is impracticable, the complainant should state the reasons why.

The CCCS community benefits from informal and formal procedures that encourage prompt resolution of complaints and concerns students may have about the implementation of policies and procedures that govern the institution.

### *Informal Grievance Process*

Complainant is encouraged to resolve the issue with the Respondent through the informal process. The CSAO or designee shall facilitate the informal process. If the informal grievance process is unsuccessful, or if CCCS or the complainant chooses not to pursue the informal process, the CSAO will open a formal grievance case.

### *Formal Grievance Process*

Complainant must timely file a written statement of the actions complained of and describe the remedy they are seeking with the CSAO. A matter could also be referred to this process by the College president or their designee. Once a written grievance is filed or referred, the CSAO or designee will determine whether or not the situation states a grievable offense. The matter will be closed if the situation is determined not grievable and the Complainant will be notified of the reasons.

If the matter is determined to be grievable, the CSAO will request a meeting (hearing) with both the complainant and respondent. Both parties will be given the opportunity to discuss the allegations of the grievance and may offer any documentation, witnesses, or other materials in support of the complaint. During this hearing, neither party may have a representative, including attorneys or law students. These procedures are entirely administrative in nature and are not considered legal proceedings.

No audio or video recording of any kind other than as required by institutional procedure is permitted.

The CSAO may also contact or request a meeting with relevant college staff, students, or others as part of the investigation.

At the CSAO's discretion, the CSAO may discontinue meetings with anyone that is causing a disruption to the process or is being uncooperative, and will proceed to make a determination based on the information known at that time.

Based on the preponderance of evidence, the CSAO shall issue a decision, in writing, to both the complainant and respondent. The decision shall reject or grant the grievance and make recommendation(s) to resolve the issue(s). The complainant and respondent shall be advised of their right to appeal the decision, subject to the grounds below, by filing a written appeal with the CSAO within seven (7) days of service of the Decision.

In the event of an appeal, the CSAO shall give written notice to the other party to allow them the opportunity to submit a response in writing. The CSAO will also draft a response memorandum (also shared with all parties). All appeals and responses are then forwarded to the appeals officer or committee for initial review to determine if the appeal meets the limited grounds and is timely. The original finding will stand if the appeal is not timely or substantively eligible, and the decision is final. If the appeal has standing, the documentation is forwarded for consideration. The party requesting appeal must show error as the original finding is presumed to have been decided reasonably and appropriately. The ONLY grounds for appeal are as follows:

1. A procedural or substantive error occurred that significantly impacted the outcome of the hearing (e.g. substantiated bias, material deviation from established procedures); or
2. To consider new evidence, unavailable during the original hearing or investigation, that could substantially impact the original finding. A summary of this new evidence and its potential impact must be included in the written appeal.

If the appeals officer or committee determines that new evidence should be considered, it will return the complaint to the CSAO to reconsider in light of the new evidence, only.

If the appeals officer or committee determines that a material procedural or substantive error occurred, it may return the complaint to the CSAO with instructions to reconvene the hearing to cure the error. In rare cases, where the procedural or substantive error cannot be cured by the CSAO in cases of bias, the appeals officer or committee may order a new hearing be held by a different individual acting in the place of the designated CSAO. The results of a reconvened hearing cannot be appealed. The results of a new hearing can be appealed, once, on the two applicable grounds for appeals.

*All Special Grievance Process Provisions also apply to Student Grievance Procedures.*

## Definitions

**Code of Conduct:** A document developed and published by each college which defines prescribed conduct of students.

**Chief Student Affairs Officer (CSAO):** The individual designated by the college president to administer student affairs and be responsible for administering the College's Student Conduct Code and this procedure. The CSAO may delegate student discipline to another individual (designee).

**Title IX Coordinator(s) and Title VI and VII Coordinator(s) (EO Coordinator)** is the employee(s) designated by the college president to oversee all civil rights complaints.

**Notice:** Notices which are required to be given by this procedure shall be considered served upon the student when given by personal delivery, mailing by certified mail, or emailing the student to their official college email address requesting a delivery receipt notification. If notice is mailed, student shall be given three (3) additional days to respond.

**Day:** Refers to calendar day unless otherwise noted below.

**Sanctions:** One or more of the following may be imposed when there is a finding that a student has violated the College's Code of Conduct.

1. **Warning:** A Notice served upon the student advising him/her that he/she is violating or has violated College regulations.
2. **Probation:** After a finding of violation of the Code of Conduct, restriction of student's privileges for a designated period of time including the probability of more severe disciplinary sanctions if the student is found to be violating any College regulations during the probationary period.
3. **Other disciplinary sanction:** fines, restitution, denial of privileges, assignment to perform services for the benefit of the college or community; or other sanction that doesn't result in the student being denied the right of attending classes.
4. **College suspension or expulsion:** An involuntary separation of the student from the College for misconduct not based on academic performance for a specified period of time.
  - Suspension is a separation that shall not exceed three academic terms per suspension for any singular offense or situation. While a student is suspended, he or she is not eligible for admission or re-admission at any of the community colleges within CCCS. Once the suspension is lifted the student is eligible for admission or re-admission.
  - Examples of suspension include, but are not limited to the following: the college, a department or program, a class, residence hall, use of a college facility or an activity.
  - Students may be suspended from one class period by the responsible faculty member or adjunct instructor. Longer suspensions can only be implemented by the CSAO or designee in accordance with this procedure.
  - Expulsion is an indefinite separation from the college. The student is not eligible for admission or re-admission at any of the community colleges within CCCS. In exceptional cases where a student wants to be considered for admission or re-admission after an expulsion has been implemented, the student bears the burden to prove the behavior that resulted in the expulsion has been resolved. It is within the college's discretion to admit or deny the student.

5. **Interim Suspension:** An immediate action taken by the CSAO to ensure the safety and well-being of members of the college community; preservation of college property; or if the student poses a definite threat of disruption or interference to others or the normal operations of the college. In the event of an interim suspension, the hearing before the CSAO or designee shall occur as soon as possible following the interim suspension. If the college issues a permanent sanction, the student shall be afforded appeal rights as discussed below. If the college does not implement a permanent sanction, the interim suspension will be removed from the student's record.

## Procedures

### Decision

The CSAO or designee shall receive all allegations of student misconduct and investigate the complaints, which includes meeting with the student to give them the opportunity to respond to the allegations of misconduct. If the allegations of misconduct are discrimination and/or harassment based on federal or state civil rights laws, the college will investigate those incidents through the Civil Rights Grievance and Investigation Process, System President's Procedure (SP) 4-31a.

Once the investigation is complete, either through this process or the Civil Rights Grievance and Investigation process, the CSAO or designee shall render a sanction decision.

The CSAO or designee may decide that the charges can be disposed of administratively by mutual consent of the parties involved on a basis acceptable to them. If an administrative resolution is not achieved, the CSAO or designee shall issue a decision which determines whether the alleged conduct occurred; whether the conduct violated the Code of Conduct or College procedures; and impose a sanction(s) if appropriate. The student shall receive written notice of the decision and be advised of their right to appeal the Decision, subject to the grounds below, by filing a written appeal with the CSAO or designee within seven (7) days of service of the Decision.

### Appeal

In the event of an appeal, the CSAO or designee shall give written notice to the other party (e.g., if the accused student appeals, the appeal is shared with the complainant who may also wish to file a response), and then the CSAO or designee will draft a response memorandum (also shared with all parties). All appeals and responses are then forwarded to the appeals officer or committee for initial review to determine if the appeal meets the limited grounds and is timely. The original finding and sanction will stand if the appeal is not timely or substantively eligible, and the decision is final. If the appeal has standing, the documentation is forwarded for consideration. Because the original finding and sanction are presumed to have been decided reasonably and appropriately, the party appealing the decision must specifically cite the error(s) in the original determination on which the appeal is based. The ONLY grounds for appeal are as follows:

1. A material procedural or substantive error occurred that significantly impacted the outcome of the hearing (e.g. substantiated bias, material deviation from established procedures); which must be explained in the written appeal; or
2. To consider new evidence, unavailable during the investigation or hearing that could substantially impact the original finding or sanction. A summary of this new evidence and its potential impact must be included in the written appeal, as well as the reasons the new evidence was not available during the original proceeding.

If the appeals officer or committee determines that a material procedural or substantive error occurred, it may return the complaint to the CSAO or designee with instructions to reconvene to cure the error. In rare cases, where the procedural or substantive error cannot be cured by the CSAO or designee in cases of bias, the appeals officer or committee may order a new hearing be held by a different individual acting in the place of the designated CSAO or designee. The results of a reconvened hearing cannot be appealed. The results of a new hearing can be appealed, once, on the two applicable grounds for appeals.

If the appeals officer or committee determines that new evidence should be considered, it will return the complaint to the CSAO or designee to reconsider in light of the new evidence, only. If the subject matter pertains to

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discrimination and/or harassment pursuant to SP 4-31a, the appeals officer or committee will return the complaint to the Title IX/EO Coordinator to reconsider in light of the new evidence, only. The reconsideration of the CSAO, designee, or Title IX/EO Coordinator is not appealable.

**The procedures governing the hearing of appeals include the following:**

- All parties should be timely informed of the status of requests for appeal, the status of the appeal consideration, and the results of the appeal decision;
- If the appeals officer or committee determines there is new evidence or error in the original proceeding, every opportunity to return the appeal to the CSAO or designee for reconsideration (remand) should be pursued;
- Appeals are not intended to be full rehearings of the complaint (de novo). In most cases, appeals are confined to a review of the written documentation or record of the original hearing, and pertinent documentation regarding the grounds for appeal;
- An appeal is not an opportunity for an appeals officer or committee to substitute their judgment for that of the CSAO or designee merely because they disagree with its finding and/or sanctions.
- Appeals decisions are to be deferential to the original decision, making changes to the findings only where there is clear error and a compelling justification to do so.
- Sanctions imposed are implemented immediately unless the CSAO or designee stays their implementation in extraordinary circumstances, pending the outcome of the appeal.
- The appeals officer or committee will render a written decision on the appeal to all parties within four (4) days from receiving the appeal request. The committee's decision to deny appeal requests is final.

**Special Discipline Process Provisions**

- In the event that the student is under the age of eighteen or incapacitated, they may have an advisor present to assist them in presenting their case.
- Students do not have the right to be represented by an attorney or law student during these proceedings except in the case where civil or criminal actions concerning the student are pending and in that case the attorney's role shall be advisory only.
- The student is responsible for presenting their own case and, therefore, advisors are not permitted to speak or to participate directly in any hearing except when the student is under the age of eighteen or incapacitated.
- Student shall have the right to identify documents, witnesses and other material they would like the CSAO or designee to review before making a final decision.
- Any hearing held shall be conducted in private unless all parties agree otherwise.
- A record of the hearing should be maintained by the CSAO or designee.
- If student has a disability and would like to request an accommodation to assist them through the discipline process they may do so by informing the CSAO or designee. The CSAO or designee will then work with disability support services to accommodate the request.
- Jurisdiction-College disciplinary proceedings may be instituted against a student charged with violation of a law if the violation occurred at the College or college-sanctioned activities or was of such a nature to have an impact on the college and the violation is also a violation of the college's student code of conduct.
- Proceedings under this procedure may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus.
- Standard of proof-the college will use the preponderance of evidence standard in the disciplinary proceedings, meaning, the college will determine whether it is more likely than not a conduct code was violated.
- All sanctions imposed by the original decision maker will be in effect during the appeal. A request may be made to the CSAO or designee for special consideration in exigent circumstances, but the presumptive stance of the institution is that the sanctions will stand. Graduation, study abroad,

internships/externships/clinical placements, etc. do not in and of themselves constitute exigent circumstances, and students may not be able to participate in those activities during their appeal. In cases where the appeal results in reinstatement to the institution or of privileges, all reasonable attempts will be made to restore the student to their prior status, recognizing that some opportunities lost may be irretrievable in the short term.

- The procedural rights afforded to students above may be waived by the student.

**Retaliatory Acts**

It is a violation of this procedure to engage in retaliatory acts against any employee or student who reports an incident(s) of code of conduct violations or any employee or student who testifies, assists or participates in the discipline proceeding, investigation or hearing relating to such allegation(s) of code of conduct violations.

**Revising this Procedure**

CCCS reserves the right to change any provision or requirement of this procedure at any time and the change shall become effective immediately.

**Student Grievance Procedure SP 4-31**

**Basis**

This Student Grievance Procedure is intended to allow students an opportunity to present an issue which they feel warrants action, including the right to secure educational benefits and services.

If the basis of the claim is discrimination and/ or harassment based on federal or state civil rights laws, the student must file a grievance under the Civil Rights Grievance and Investigation Process. If the accused (respondent) is a student, please refer to SP 4-31a. If the respondent is a CCCS employee, please refer to SP 3-50a.

**Definitions**

Complainant(s) is a person who is subject to alleged inequity as it applies to Board Policies, System President's Procedures, or College Procedures. For purposes of this procedure, a complainant is student who was enrolled at the time of the alleged incident.

Respondent(s) is a person whose alleged conduct is the subject of a complaint. For purposes of this procedure, a respondent can be a CCCS employee(s), student(s) who was enrolled at the time of the alleged incident, authorized volunteer(s), guest(s), visitor(s), or college.

Grievance: A grievable offense is any alleged action which violates or inequitably applies State Board Policies, System President's Procedures, and College Procedures. The complainant must be personally affected by such violation or inequitable action.

Non-grievable matters: The following matters are not grievable under this procedure except as noted: matters over which the college is without authority to act; grades and other academic decisions unless there is an allegation that the decision was motivated by discrimination and/or harassment which should be filed under the appropriate Civil Rights Grievance and Investigation Process.

Chief Student Affairs Officer (CSAO): The college employee designated by the college president to administer student grievances. The CSAO may delegate the responsibility over student grievances to another person.

Notice: Notices which are required to be given by this procedure shall be considered served upon the student when given by personal delivery, mailing by certified mail, or email with receipt notification to the address the student has filed with the College's admissions and records office. If notice is mailed, student shall be given three (3) additional days to respond.

Day: Refers to calendar day unless otherwise noted below.

Remedy: The relief that the Grievant is requesting.

**Filing a Complaint**

All complaints shall be made as promptly as possible after the occurrence. A delay in reporting may be reasonable under some circumstances; however, an unreasonable delay in reporting is an appropriate consideration in evaluating the merits of a complaint or report.

## Procedures

Students must timely submit all grievances in writing by accessing the online form available at <http://www.ccaurora.edu/about-cca/right-know/complaint-policy-procedure/form>. The grievance should clearly and concisely describe the alleged incident(s), when and where it occurred, and the desired remedy sought. The grievance should be signed by the initiator or, in the case of an email submission, sent as an email attachment, in letter format and should contain the name and all contact information for the grievant. Any supporting documentation and evidence should be referenced within the body of the formal grievance. Additionally, the initiator of a formal grievance should submit any supporting materials in writing as quickly as is practicable.

The complainant's supporting documentation should clearly demonstrate all informal efforts, if any, to resolve the issue(s) with the person involved and the person's supervisor. This includes names, dates and times of attempted or actual contact along with a description of the discussion and the manner of communication made in the course of each effort. If contacting the person involved and/or the supervisor is impracticable, the complainant should state the reasons why.

The CCCS community benefits from informal and formal procedures that encourage prompt resolution of complaints and concerns students may have about the implementation of policies and procedures that govern the institution.

### Informal Grievance Process

Complainant is encouraged to resolve the issue with the Respondent through the informal process. The CSAO or designee shall facilitate the informal process. If the informal grievance process is unsuccessful, or if CCCS or the complainant chooses not to pursue the informal process, the CSAO will open a formal grievance case.

### Formal Grievance Process

Complainant must timely file a written statement of the actions complained of and describe the remedy s/he is seeking with the CSAO. A matter could also be referred to this process by the College president or his/her designee. Once a written grievance is filed or referred, the CSAO or designee will determine whether or not the situation states a grievable offense. The matter will be closed if the situation is determined not grievable and the Complainant will be notified of the reasons.

If the matter is determined to be grievable, the CSAO will request a meeting (hearing) with both the complainant and respondent. Both parties will be given the opportunity to discuss the allegations of the grievance and may offer any documentation, witnesses, or other materials in support of the complaint. During this hearing, neither party may have a representative, including attorneys or law students. These procedures are entirely administrative in nature and are not considered legal proceedings.

No audio or video recording of any kind other than as required by institutional procedure is permitted.

The CSAO may also contact or request a meeting with relevant college staff, students, or others as part of the investigation.

At the CSAO's discretion, the CSAO may discontinue meetings with anyone that is causing a disruption to the process or is being uncooperative, and will proceed to make a determination based on the information known at that time.

Based on the preponderance of evidence, the CSAO shall issue a decision, in writing, to both the complainant and respondent. The decision shall reject or grant the grievance and make recommendation(s) to resolve the issue(s). The complainant and respondent shall be advised of his/her right to appeal the decision, subject to the grounds below, by filing a written appeal with the CSAO within seven (7) days of service of the Decision.

In the event of an appeal, the CSAO shall give written notice to the other party to allow him/her the opportunity to submit a response in writing. The CSAO will also draft a response memorandum (also shared with all parties). All appeals and responses are then forwarded to the appeals officer or committee for initial review to determine if the appeal meets the limited grounds and is timely. The original finding will stand if the appeal is not timely or substantively eligible, and the decision is final. If the appeal has standing, the documentation is forwarded for consideration. The party requesting appeal must show error as

the original finding is presumed to have been decided reasonably and appropriately. The ONLY grounds for appeal are as follows:

1. A procedural or substantive error occurred that significantly impacted the outcome of the hearing (e.g. substantiated bias, material deviation from established procedures); or
2. To consider new evidence, unavailable during the original hearing or investigation, that could substantially impact the original finding. A summary of this new evidence and its potential impact must be included in the written appeal.

If the appeals officer or committee determines that new evidence should be considered, it will return the complaint to the CSAO to reconsider in light of the new evidence, only.

If the appeals officer or committee determines that a material procedural or substantive error occurred, it may return the complaint to the CSAO with instructions to reconvene the hearing to cure the error. In rare cases, where the procedural or substantive error cannot be cured by the CSAO in cases of bias, the appeals officer or committee may order a new hearing be held by a different individual acting in the place of the designated CSAO. The results of a reconvened hearing cannot be appealed. The results of a new hearing can be appealed, once, on the two applicable grounds for appeals.

### Special Grievance Process Provisions

In the event that the student is under the age of eighteen or incapacitated, s/he may have an advisor present to assist him/her in presenting his/her case.

Students do not have the right to be represented by an attorney or law student during these proceedings except in the case where civil or criminal actions concerning the student are pending and in that case the attorney's role shall be advisory only.

The student is responsible for presenting his/her own case and, therefore, advisors are not permitted to speak or to participate directly in any hearing except when the student is under the age of eighteen or incapacitated.

Student shall have the right to identify documents, witnesses and other material he/she would like the CSAO to review before making a final decision.

Any hearing held shall be conducted in private unless all parties agree otherwise.

A record of the hearing should be maintained by the CSAO.

If student has a disability and would like to request an accommodation to assist him/her through the grievance process they may do so by informing the CSAO. The CSAO will then work with disability support services to accommodate the request.

If the grievance is against the CSAO, the Chief Academic Officer or other person designated by the president shall perform the duties of the CSAO.

Jurisdiction-College grievance proceedings may be instituted over incidences that occur or are related to College or college-sanctioned activities or was of such a nature to impact upon the college.

Proceedings under this procedure may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus.

Standard of proof- The college will use the preponderance of evidence standard in the grievance proceedings, meaning, the college will determine whether it is more likely than not the complainant was subjected to inequity as it applies to Board Policies, System President's Procedures, or College procedures.

The procedural rights afforded to students above may be waived by the student.

### Retaliatory Acts

It is a violation of the grievance procedure to engage in retaliatory acts against any employee or student who files a grievance or any employee or student who testifies, assists or participates in the grievance proceeding, investigation or hearing relating to such grievance.

### Revising this Procedure

CCCS reserves the right to change any provision or requirement of this procedure at any time and the change shall become effective immediately.

## **Appeal Procedures**

The right to appeal the decision is available for a period of 15 days after notification of the decision. The request for an appeal must be submitted in writing to the college Vice President of Student Affairs. The decision of the Vice President is final.

For additional information about the conduct appeal process see <https://www.ccaurora.edu/student-conduct-appeal-process>.

# CATALOG GUIDE

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 class schedule. A course listing consists of the following elements:

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	Arch ENG/Construction Mgmt
ANT	Anthropology
ART	Art
ASE	Auto Service Technology
ASL	American Sign Language
AST	Astronomy
BIO	Biology and Biotechnology
BTE	Business Technology
BUS	Business
CAD	Com
CCR	College Composition and Reading
CHE	Chemistry
CIS	Computer Information Systems
COM	Communication
CNG	Computer & Networking Technology
CRJ	Criminal Justice
CSC	Computer Science
CWB	Computer Web Based
DPM	Diesel Power Mechanics
ECE	Early Childhood Education
ECO	Economics
EDU	Education
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
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
PHO	Photography
PHY	Physics
POS	Political Science
PSY	Psychology
REE	Real Estate
SBM	Small Business Management
SCI	Science
SOC	Sociology
SPA	Spanish
THE	Theatre
TRI	Translation & Interpretation
WST	Women's Studies

## Course number

A three-digit number is assigned to all college courses. Courses listed in the 100s are designed for freshman level; 200s are intended for sophomore level. (Ex. COM 115 = Public Speaking)

## 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 115-111 = Section 111 of Public Speaking). This number is not indicative of the number of sections offered at CCA.

## Course Title

This is the official course title. Class schedules and transcripts will often abbreviate the course title.

## Credit hours

Each course has state approval for a specific number of "semester credit hours" that translates into a number of clock hours of interaction with the instructor. Practicums, clinicals, laboratory, and vocational skill training classes have specific clock hour requirements. Tuition charges are based on credit hours, not clock hours. Some vocational programs have set costs because of equipment requirements.

## Prerequisites



Some courses require another course or special permission before enrolling. For example, students cannot enroll in MAT 120 until MAT 092 is successfully completed or an appropriate assessment score is achieved. Prerequisites are listed in the course description.

#### **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 MAT 135 without enrolling in MAT 136 because the material covered in the courses complement each other. Co-requisites are listed in the course description.

#### **Degree**

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.

#### **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.

**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](http://www.cccs.edu).

# GUIDED PATHWAYS

What is Guided Pathways? When you enroll at the Community College of Aurora, it becomes our greatest interest to see that you reach your goals. Guided Pathways is our way of helping you choose a plan of study that will best direct you toward your ultimate career. We have six pathways that represent all of our degrees and certificates. Choose the pathway that best fits your educational and career interests, and then you can find the best courses, certificate, and degree for you. Find your passion. Earn your degree. Start your career. <https://www.ccaurora.edu/guidedpathways>

## Communication & Languages

The Communication & Languages pathway prepares students to write and speak to persuade and help others, or present information in the most effective ways. Most students transfer to a four-year institution upon graduation.

**Academic Course Maps show what courses you need to take and in the correct order. To view the Academic Course Maps associated with these degrees and certificates, click here <https://www.ccaurora.edu/programs-classes/degree-pathways>**

To view the larger catalog entries for the degrees and certificates, click on the links below.

If you would like to learn more about this Guided Pathway or any of the other Guided Pathways, please visit <https://www.ccaurora.edu/guidedpathways>

(p. 53)

- Communication Transfer Major, A.A. (p. 53)
- English Transfer Major, A.A. (p. 60)
- Spanish Transfer Major, A.A. (p. 74)
- Translation and Interpretation Certificate (p. 129)
- Translation and Interpretation, A.A.S. (p. 111)
- Translation and Interpretation Certificate- Legal (p. 129)
- Translation and Interpretation Certificate- Medical (p. 129)

## Creative Industries

The Creative Industries pathway prepares students to use their ideas, passion to create, and artistic expression. Most students enter the workplace directly after receiving their associates degree or certificate. Some students transfer to a four-year institution upon graduation.

**Academic Course Maps show what courses you need to take and in the correct order. To view the Academic Course Maps associated with these degrees and certificates, click here <https://www.ccaurora.edu/programs-classes/degree-pathways>**

To view the larger catalog entries for the degrees and certificates, click on the links below.

If you would like to learn more about this Guided Pathway or any of the other Guided Pathways, please visit <https://www.ccaurora.edu/guidedpathways>

- Computer: Creative Tools Certificate (p. 121)
- Film Video Media: Acting/Directing for the Screen Certificate (p. 122)
- Film Video Media: Acting/Directing for the Screen Emphasis, A.A.S. (p. 99)
- Film Video Media: Cinematography/Videography Certificate (p. 123)
- Film Video Media: Cinematography/Videography Emphasis, A.A.S. (p. 100)

- Film Video Media: Post-Production Certificate (p. 123)
- Film Video Media: Post-Production Emphasis, A.A.S. (p. 100)
- Film Video Media: Screenwriting Certificate (p. 124)
- Film Video Media: Screen Writing Emphasis, A.A.S. (p. 101)
- Film Video Media: Writing/Directing Certificate (p. 124)
- Film Video Media: Writing/Directing Emphasis, A.A.S. (p. 102)
- Film Video Media: Writing/Producing Certificate (p. 125)
- Film Video Media: Writing/Producing Emphasis, A.A.S. (p. 102)
- Graphic and Web Design, A.A.S. (p. 104)
- Music and Entertainment Entrepreneurship Music Performance Certificate (p. 127)
- Music and Entertainment Entrepreneurship Music Performance , A.A.S. (p. 106)
- Music and Entertainment Entrepreneurship Music Producer Certificate (p. 128)
- Music and Entertainment Entrepreneurship Music Producer, A.A.S. (p. 106)
- Studio Art Transfer Major, A.A. (p. 76)
- Theatre: Theatre & Event Technology Certificate (p. 129)
- TheatreTransfer Major, A.A. (p. 78)

## Health & Public Service

The Health & Public Service pathway prepares students to enter the healthcare and public service profession and contribute to the betterment of society. Most students to enter the workplace directly after receiving their associates degree or certificate. Some students transfer to a four-year institution upon graduation.

**Academic Course Maps show what courses you need to take and in the correct order. To view the Academic Course Maps associated with these degrees and certificates, click here <https://www.ccaurora.edu/programs-classes/degree-pathways>**

To view the larger catalog entries for the degrees and certificates, click on the links below.

If you would like to learn more about this Guided Pathway or any of the other Guided Pathways, please visit <https://www.ccaurora.edu/guidedpathways>

- Basic Law Enforcement Training Academy Certificate (p. 118)
- Criminal Justice Transfer Major, A.A. (p. 55)
- Criminal Justice, A.A.S. (p. 97)
- Emergency Medical Technician-Basic Certificate (p. 122)
- Emergency Medical Technician-Paramedicine Certificate (p. 122)
- Fire Science Technology Certificate (p. 125)
- Fire Science Technology, A.A.S. (p. 103)
- Fundamentals of Fire Science Certificate (p. 126)
- Integrated Nursing Pathway, A.G.S. (p. 116)
- Health Care: Nurse Aide Certificate (p. 126)
- Health Care: Phlebotomy Certificate (p. 126)
- Paramedicine, A.A.S. (p. 109)
- Health Care: Patient Care Technician Certificate (p. 126)
- Health Care: Patient Representative Certificate (p. 126)
- Respiratory Therapy, A.A.S. (p. 114)

## People, Societies, & Ideas

The People, Societies & Ideas pathway prepares students to explore and explain human relationships and social, political, and ethical systems. Most students transfer to a four-year institution upon graduation.

**Academic Course Maps show what courses you need to take and in the correct order. To view the Academic Course Maps associated with these degrees and certificates, click here**  
<https://www.ccaurora.edu/programs-classes/degree-pathways>

To view the larger catalog entries for the degrees and certificates, click on the links below.

If you would like to learn more about this Guided Pathway or any of the other Guided Pathways, please visit  
<https://www.ccaurora.edu/guidedpathways>

- Anthropology Transfer Major, A.A. (p. 47)
- Art History Transfer Major, A.A. (p. 49)
- Early Childhood Education Transfer Major, A.A. (p. 57)
- Early Childhood Education, A.A.S. (p. 98)
- Early Childhood Education - Early Childhood Entry Certificate (p. 121)
- Early Childhood Education - Early Childhood Infant and Toddler Supervisor Certificate (p. 121)
- Early Childhood Education - Early Childhood Teacher Certificate (p. 122)
- Elementary Teacher Education Transfer Major, A.A. (p. 59)
- Geography Transfer Major, A.A. (p. 62)
- History Transfer Major, A.A. (p. 64)
- Philosophy Transfer Major, A.A. (p. 66)
- Political Science Transfer Major, A.A. (p. 68)
- Psychology Transfer Major, A.A. (p. 69)
- Psychology Transfer Major, A.S. (p. 91)
- Sociology Transfer Major, A.A. (p. 71)

## Professional Studies

Programs in Professional Studies prepare students to enter the professional workplace directly after receiving their associates or certificate. Some students transfer to a four-year institution upon graduation.

**Academic Course Maps show what courses you need to take and in the correct order. To view the Academic Course Maps associated with these degrees and certificates, click here**  
<https://www.ccaurora.edu/programs-classes/degree-pathways>

To view the larger catalog entries for the degrees and certificates, click on the links below.

If you would like to learn more about this Guided Pathway or any of the other Guided Pathways, please visit  
<https://www.ccaurora.edu/guidedpathways>

- Applied Technology, A.A.S. (p. 96)
- Business Certificate: Bookkeeping (p. 118)
- Business Certificate: Entrepreneurial Launch Certificate (p. 119)
- Business Certificate: Entrepreneurial Studies Certificate (p. 119)
- Business Certificate: General Business (p. 118)
- Business Certificate: Human Resource Management (p. 119)
- Business Certificate: Real Estate (p. 119)
- Business Transfer Major, A.A. (p. 51)
- Computer: Basic Networking and Security Certificate (p. 120)
- Computer: CISCO Certificate (p. 120)
- Computer: IT Tech and Support Certificate (p. 120)
- Computer: Office Administration Certificate (p. 120)
- Computer: PC Application Specialist Certificate (p. 120)
- Construction Certificate: Construction Estimating (p. 120)
- Construction Certificate: Construction Superintendent (p. 121)

- Diesel Power Mechanics, A.A.S.
- Early Childhood Education - Director Certificate (p. 121)
- Economics Transfer Major, A.A. (p. 58)
- Financial Services: Banking Essentials Certificate (p. 125)
- Financial Services: Supervision Fundamentals Certificate (p. 125)
- Logistics Certificate: Inventory Management (p. 127)
- Logistics Certificate: Purchasing and Procurement (p. 127)
- Logistics Certificate: Warehouse Operations (p. 127)
- Paralegal Certificate (p. 128)
- Paralegal, A.A.S. (p. 107)
- Technology for Business Operations, A.A.S. (p. 110)

## Science, Technology, Engineering & Math

The Science, Technology, Engineering & Math (STEM) pathway prepares students for careers in science, technology, engineering and math fields. Most students transfer to a four-year institution upon graduation.

**Academic Course Maps show what courses you need to take and in the correct order. To view the Academic Course Maps associated with these degrees and certificates, click here**  
<https://www.ccaurora.edu/programs-classes/degree-pathways>

To view the larger catalog entries for the degrees and certificates, click on the links below.

If you would like to learn more about this Guided Pathway or any of the other Guided Pathways, please visit  
<https://www.ccaurora.edu/guidedpathways>

- Biology Transfer Major, A.S. (p. 82)
- Chemistry Transfer Major, A.S. (p. 84)
- Computer Information Systems, A.A.S. (p. 96)
- Metro State CIS Transfer (p. 113)
- Computer Science, A.A.S. (p. 115)
- Construction Certificate: Construction Estimating (p. 120)
- Construction Certificate: Construction Superintendent (p. 121)
- Cyber Security, A.A.S. (p. 97)
- Geology Transfer Major, A.S. (p. 86)
- IT Tech and Support, A.A.S. (p. 104)
- Mathematics Transfer Major, A.S. (p. 88)
- Networking, A.A.S. (p. 107)
- Physics Transfer Major, A.S. (p. 89)
- Programming, A.A.S. (p. 110)
- Associate of Science Degree (A.S.) (p. 112)

# ASSOCIATE DEGREES AND CERTIFICATES

## Statewide Guaranteed Transfer Courses

Colorado has identified 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.

gtPathways is a set of general education courses that the state guarantees to transfer. Receiving institutions shall apply guaranteed general education courses to a student's general education or major requirements. Approved courses in gtPathways are not based on course equivalencies but meet content and competency criteria. gtPathways applies to all Colorado public colleges and universities. Up to 31 credits of previously and successfully (C or better) completed gtPathways coursework can transfer to any other Colorado public college or university. These courses will automatically transfer with you and continue to count toward your general education core or graduation requirements for any liberal arts or science, associate's or bachelor's degree. You should check with the school you wish to attend so you are clear about which credits will transfer beyond any that are guaranteed by gtPathways

More transfer information is available at the Colorado Community College website at <https://internal.cccs.edu/academic-affairs/transfers-articulations/> or at the Colorado Commission of Higher Education website at <http://highered.colorado.gov/Academics/Transfers/gtPathways/default.html>

### Communication

- Introduction Writing Course (GT-CO1)
- Intermediate Writing Course (GT-CO2)
- Advanced Writing Course (GT-CO3)

### Mathematics

- (GT-MA1)

### Arts & Humanities, History, & Social and Behavioral Sciences

*Arts and Humanities* – 2 courses (minimum 3 credits each)

- Arts and Expression (GT-AH1)
- Literature and Humanities (GT-AH2)
- Ways of Thinking (GT-AH3)
- Foreign Languages (must be Intermediate/200 level) (GT-AH4)

*History* – 1 course (minimum 3 credits)

- (GT-HI1)

*Social and Behavioral Sciences* – 1 course (minimum 3 credits)

- Economic or Political Systems (GT-SS1)
- Geography (GT-SS2)
- Human Behavior, Culture, or Social Frameworks (GT-SS3)

If necessary to reach a minimum of 15 credits, select 1 additional course (minimum 3 credits) in Arts and Humanities, History, or Social and Behavioral Sciences.

### Natural and Physical Sciences

- Course with Required Laboratory (GT-SC1)
- Lecture Course Without Required Laboratory (GT-SC2)

## 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.

### 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 Associate of Arts Degrees (p. 44) and Associate of Science Degrees (p. 80).

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 CCCOnline.

Many other majors also require that students select specific courses from the gtPathways courses. Students should contact a Pathways 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: <http://highered.colorado.gov/Academics/Transfers/Students.html>.

## Articulation (Transfer) Agreements

The Community College of Aurora has Articulation (Transfer) agreements with most four-year colleges and universities in Colorado. These agreements cover a wide variety of majors. To transfer to a four-year college or university in Colorado, contact Advising, CentreTech Campus, A102, or the Lowry Campus, West Quad, for specific information.

# ASSOCIATE OF ARTS DEGREES (A.A.)

## 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-CO<sub>1</sub>, GT-CO<sub>2</sub>)

English – take both courses; Communication – select 1 course

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
	One gtPathways approved CO <sub>3</sub> Course	3
	AND	
COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3
	OR	
COM 220	Intercultural Communication (GT-SS <sub>3</sub> )	3

### Mathematics

(3 credits – MA<sub>1</sub>)

Select one course: Credits over 3 will be applied to electives.

MAT 120	Mathematics for Liberal Arts: GT-MA <sub>1</sub>	4
MAT 121	College Algebra: GT-MA <sub>1</sub>	4
MAT 122	College Trigonometry: GT-MA <sub>1</sub>	3
MAT 123	Finite Mathematics: GT-MA <sub>1</sub>	4
MAT 125	Survey of Calculus: GT-MA <sub>1</sub>	4
MAT 135	Introduction to Statistics: (GT-MA <sub>1</sub> )	3
MAT 166	Pre-Calculus: (GT-MA <sub>1</sub> )	5
MAT 201	Calculus I: GT-MA <sub>1</sub>	5
MAT 202	Calculus II: GT-MA <sub>1</sub>	5

MAT 203	Calculus III: GT-MA <sub>1</sub>	4
MAT 204	Calculus III with Engineering Applications: GT-MA <sub>1</sub>	5
MAT 261	Differential Equations with Engineering Applications: GT-MA <sub>1</sub>	4
MAT 265	Differential Equations: GT-MA <sub>1</sub>	3

## Arts and Humanities

(6 Credits GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, or GT-AH<sub>4</sub>)

Select 2 courses from 2 different categories:

### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH <sub>1</sub> )	3
ART 111	Art History - Ancient to Medieval (GT-AH <sub>1</sub> )	3
ART 112	Art History – Renaissance to Modern (GT-AH <sub>1</sub> )	3
ART 207	Art History - 1900 to Present (GT-AH <sub>1</sub> )	3
ENG 221	Creative Writing I (GT-AH <sub>1</sub> )	3
MUS 120	Music Appreciation (GT-AH <sub>1</sub> )	3
MUS 121	Music History: Medieval through Classical Period (GT-AH <sub>1</sub> )	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH <sub>1</sub> )	3
MUS 123	Survey of World Music (GT-AH <sub>1</sub> )	3
MUS 125	History of Jazz (GT-AH <sub>1</sub> )	3
THE 105	Theatre Appreciation (GT-AH <sub>1</sub> )	3
THE 108	Theater Script Analysis (GT-AH <sub>1</sub> )	3
THE 211	Development of Theatre Greek-Reniassance (GT-AH <sub>1</sub> )	3
THE 212	Development of Theatre Restoration to Modern (GT-AH <sub>1</sub> )	3
THE 215	Playwriting (GT-AH <sub>1</sub> )	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH <sub>2</sub> )	3
HUM 121	Humanities: Early Civilizations (GT-AH <sub>2</sub> )	3
HUM 122	Humanities: Medieval-Modern (GT-AH <sub>2</sub> )	3
HUM 123	The Modern World (GT-AH <sub>2</sub> )	3
LIT 115	Introduction to Literature (GT-AH <sub>2</sub> )	3
LIT 201	World Literature to 1600 (GT-AH <sub>2</sub> )	3
LIT 202	World Literature after 1600 (GT-AH <sub>2</sub> )	3
LIT 205	Ethnic Literature (GT-AH <sub>2</sub> )	3
LIT 211	American Literature to Civil War (GT-AH <sub>2</sub> )	3
LIT 212	American Literature after Civil War (GT-AH <sub>2</sub> )	3
LIT 221	British Literature to 1770 (GT-AH <sub>2</sub> )	3
LIT 222	British Literature since 1770 (GT-AH <sub>2</sub> )	3
LIT 225	Introduction to Shakespeare (GT-AH <sub>2</sub> )	3
LIT 246	Literature of Women (GT-AH <sub>2</sub> )	3
LIT 259	Survey of African American Literature (GT-AH <sub>2</sub> )	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH <sub>3</sub> )	3
PHI 112	Ethics (GT-AH <sub>3</sub> )	3

PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

### History

(3 credits – GT-HI1)

Select one gtPathways course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two guaranteed transfer courses from any category:

#### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

#### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

#### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3

PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(7 credits-GT-SC1, GT-SC2)

2 guaranteed transfer Natural and Physical Sciences courses, including at least one lab course Category I (GT-SC1):

#### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology,with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

#### Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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**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

**Electives: 23 credits**

Electives may be chosen from any gtPathway course or from the following list of non-gtPathway courses:

**Academic Achievement Strategies**

Any course 100 or above

AAA

**American Sign Language**

ASL 121	American Sign Language I	5
ASL 122	American Sign Language II	5
ASL 123	American Sign Language III	5
ASL 221	American Sign Language IV	3

**American Sign Language**

ASL 121	American Sign Language I	5
ASL 122	American Sign Language II	5
ASL 123	American Sign Language III	5
ASL 221	American Sign Language IV	3

**Art**

ART 117	Fiber Design I	3
ART 121	Drawing I	3
ART 128	Figure Drawing I	3
ART 131	Visual Concepts 2-D Design	3
ART 132	Visual Concepts 3-D Design	3
ART 133	Jewelry and Metalwork I	3
ART 134	Visual Concepts 4-D Design	3
ART 139	Digital Photography I	3
ART 151	Painting I	3
ART 161	Ceramics I	3
ART 221	Drawing II	3
ART 228	Advanced Figure Drawing	3
ART 239	Digital Photography II	3

**Biology**

BIO 106	Basic Anatomy and Physiology	4
BIO 216	Human Pathophysiology	4

**Business**

BUS 115	Introduction to Business	3
BUS 201	Business Logistics Optimization	3
BUS 202	Business Purchasing, Supply, and Sourcing Logistics	3
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
BUS 226	Business Statistics	3

**Business Technology**

BTE 125	Records Management	3
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**Chemistry**

CHE 211	Organic Chemistry I with Lab	5
CHE 212	Organic Chemistry II with Lab	5

**Communication**

COM 115	Public Speaking	3
COM 125	Interpersonal Communication	3
COM 266	Decision Making	1
COM 268	Problem-Solving	1

**Computer Information Systems**

CIS 115	Introduction to Computer Information Systems	3
CIS 118	Introduction to PC Applications	3
CIS 155	PC Spreadsheet Concepts (Excel)	3
CIS 267	Management of Information Systems	3

**Computer Networking**

CNG 101	Network Fundamentals	3
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**Computer Science**

CSC 119	Introduction to Programming	3
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**Accounting**

ACC 121	Accounting Principles I	4
ACC 122	Accounting Principles II	4

**Engineering**

Any EGG course 100 level or above

**English**

ENG 222	Creative Writing II	3
ENG 231	Literary Magazine	3

**Entrepreneurship**

ENP 105	Intro to Entrepreneurship	3
ENP 106	E-ship Opp.Feasibility Study	3
ENP 206	Entrepreneurship Legal Issues	3
ENP 207	Entrepreneurship Financial Topics	3
ENP 209	Entrepreneurship Business Plan	3

**Health Wellness**

HWE 100	Human Nutrition	3
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**Management**

MAN 105	Logistics Management	3
MAN 156	Problem Solving-Business Environment	3
MAN 168	Basic Process Controls	2
MAN 200	Human Resources Management I	3
MAN 201	Human Resources Management II	3
MAN 225	Managerial Finance	3
MAN 226	Principles of Management	3
MAN 288	Practicum	3

**Marketing**

MAR 160	Customer Service	3
MAR 216	Principles of Marketing	3
MAR 240	International Marketing	3

**Mathematics**

MAT 136	Computer Applications for Statistics	1
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**Multimedia Graphic Design**

MGD 102	Introduction to Multimedia	3
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**Music**

MUS 100	Introduction to Music Theory I	3
MUS 106	Intro to Songwriting	3
MUS 107	Entrep/Artistry for Musicians	3
MUS 110	Music Theory I	3
MUS 112	Ear Training/Sight Singing Lab I	1
MUS 113	Ear Training/Sight Singing Lab II	1

**Nursing**

NUR 213	Professional Pathway to Nursing	3
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**Physical Education**

Any Course 100 or above

**Physics**

PHY 213	Physics: Calculus Based III Modern Physics	3
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**Spanish**

SPA 111	Spanish Language I	5
SPA 112	Spanish Language II	5
SPA 235	Spanish Reading-Writing	3

**Theatre**

THE 106	Cross Cultural Storytelling	4
THE 111	Acting I	3
THE 112	Acting II	3
THE 115	Stage Movement for Actors	3
THE 116	Technical Theatre	3
THE 126	Auditioning for Musical Theatre	3
THE 131	Theatre Production I	3
THE 132	Theatre Production II	3
THE 213	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.

**Anthropology 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 in Anthropology. Students explore cultural and biological anthropology. Careers often require a master's degree. Anthropology is the study of human society, life, and culture. It answers questions about how people lived, what they thought, and how they interacted with their environment. This gives us an understanding of the world today, and how the future world may develop. This program introduces students to the study of Anthropology and includes courses that are common to all Colorado four-year institutions. Career paths for Anthropology degree holders include market research, field and medical research, museum management, public health, community studies, cultural studies, and field studies in archaeology. The Associate of Arts (AA) degree in Anthropology prepares students to complete the second half of a Bachelor of Arts (BA) in Anthropology at a four-year university.

**Degree Requirements: 60 credits**

**General Education Requirements: 32-33 credits****English and Communication**

(6 credits – GT-CO1, GT-CO2)

English – take 2 gtPathways courses

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

**Mathematics**

(3 - 4 credits – MA1)

Select one course: MAT 135 Preferred. Credits over 3 will be applied to electives.

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5
MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 204	Calculus III with Engineering Applications: GT-MA1	5
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

Note:

- University of Colorado Denver requires either MAT 135 or MAT 121
- Western State Colorado University requires MAT 121

**Arts and Humanities**

(6 credits- AH1, AH2, AH3, AH4)

Select 2 gtPathways courses:

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3



THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3

HIS 250	African American History (GT-HI1)	3
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## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

## Natural and Physical Sciences

(8 Credits – GT-SC1)

Select 2 courses:

EXCEPT the courses listed in the Additional Required Courses section below.

### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5

BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab(GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology,with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

### Additional Required Courses: 22 credits

COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3
	OR	
COM 220	Intercultural Communication (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
	One gtPathways ANT course in Social and Behavioral Sciences	3
	One gtPathways Arts and Humanities Course	3
	One gtPathways Social and Behavioral Sciences Course MUST BE GT-SS2 or GT-SS3 (3)	3

Please Note: Additional ANT courses beyond the four courses (13 credit hours) identified above may not count toward the Anthropology major at the receiving four-year institution. See explanation in Limitations section [https://highered.colorado.gov/Academics/Transfers/Agreements/STAA\\_ANTHROPOLOGY\\_Final.pdf](https://highered.colorado.gov/Academics/Transfers/Agreements/STAA_ANTHROPOLOGY_Final.pdf).

Social and Behavioral Sciences Course: Must be GT-SS2 or GT-SS3.

Arts and Humanities Course: GT-AH1, GT-AH2, GT-AH3, GT-AH4.

ANT Course in Social and Behavioral Sciences: GT-SS3.

### Electives: 5-6 credits

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

## Art History 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 in Art or Art History. Students explore hands-on and historical aspects of art. Careers often require a master's degree. Art History studies the way that art objects have changed over time, including their style, design, and materials. This program explores the major art forms, including painting, sculpture, and building design, as well as minor art forms, including furniture, ceramics, and decorative objects. This program introduces students to Art History and it includes courses that are common to all four-year institutions in Colorado. Career paths for Art History degree holders include museum and gallery management, government, media, research, and advanced university studies and careers. The Associate of Arts (AA) degree in Art History prepares students to complete the second half of a Bachelor of Arts (BA) or Bachelor of Fine Arts (BFA) in Art or Art History at a four-year university.

**Degree Requirements: 60 credits**

### General Education Requirements: 31-32 credits

### English and Communication

(6 credits – GT-CO1, GT-CO2, GT-CO3)

English – take two gtPathways courses:

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

### Mathematics

(3 credits – MA1)

Select one 3 or 4 credit course:

MAT 120 is recommended

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5
MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

**Arts and Humanities**

(6 Credits-GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select two courses:

*EXCEPT* the courses listed in the Additional Required Courses section below.**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

**Category II (GT-AH2)**

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

**Category III (GT-AH3)**

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

**Category IV (GT-AH4)**

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

**History**

(3 credits- GT-H11)

Select 1 gtPathways course:

**Category I (GT-H11)**

HIS 101	Western Civilization: Antiquity - 1650 (GT-H11)	3
HIS 111	The World: Antiquity - 1500 (GT-H11)	3
HIS 112	The World: 1500 - Present (GT-H11)	3
HIS 121	US History to Reconstruction (GT-H11)	3
HIS 122	US History Since Civil War (GT-H11)	3
HIS 205	Women in World History (GT-H11)	3
HIS 208	American Indian History (GT-H11)	3
HIS 215	Women in U.S. History (GT-H11)	3
HIS 225	Colorado History (GT-H11)	3
HIS 244	History of Latin America (GT-H11)	3
HIS 247	20th Century World History (GT-H11)	3
HIS 250	African American History (GT-H11)	3

**Social and Behavioral Sciences**

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

**Category II (GT-SS1)**

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

**Category III (GT-SS2)**

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

**Category IV (GT-SS3)**

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3

SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

## Natural and Physical Sciences

(7 or 8 credits-GT-SC1, GT-SC2)

Select two gtPathways Natural and Physical Sciences courses, including at least one required lab course (GT-SC1):

### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

### Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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### Additional Required Courses: 18 credits

ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 121	Drawing I	3
ART 131	Visual Concepts 2-D Design	3
ART 132	Visual Concepts 3-D Design	3
ART 207	Art History - 1900 to Present (GT-AH1)	3

### Electives: 10-11 credits

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

Students planning to transfer to CSU-FC will be required to complete a 200-level foreign language for completion of the BA in Art – Art History. Students will be expected to be prepared upon completion of the associate's degree to take an intermediate foreign language or be able to pass the CSU-FC Foreign Language placement exam at the sophomore level. It may not be possible to complete the BA in Art – Art History concentration in two years without this prior foreign language competency.

## 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: 37 credits**

### English and Communication

(6 credits – GT-CO1, GT-CO2)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

### Mathematics

(8 credits – GT-MA1)

Choose two courses:

MAT 121	College Algebra: GT-MA1	4
	OR	
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
	OR	
MAT	Higher Level Calculus course	4-5

### Arts and Humanities

(6 credits - GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 2 courses:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3

THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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 1 course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS1)

Take both Economic Courses.

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3

### Natural and Physical Sciences

(8 credits - GT-SC1, GT-SC2)

Select 2 gtPathways courses (one must be with laboratory (GT-SC1):

#### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

#### Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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### Additional Business Requirements: 23 credits

ACC 121	Accounting Principles I	4
ACC 122	Accounting Principles II	4
BUS 115	Introduction to Business	3
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
BUS 226	Business Statistics	3
COM 115	Public Speaking	3

## 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)

Select two gtPathways courses;

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	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 120 is recommended

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5
MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

### Arts and Humanities

(6 Credits - GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select 2 gtPathway courses:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3

ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

#### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

#### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

#### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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 course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3

HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select: COM 220 and 1 additional gtPathways SS1, SS2, or SS3 course

COM 220	Intercultural Communication (GT-SS3)	3
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### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3

SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

## Natural and Physical Sciences

(7 credits-GT-SC1, GT-SC2)

Select two gtPathways courses, including at least one lab course (GT-SC1).

### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab(GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology,with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

### Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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## Additional Required Courses: 18 credits

### Select two gtPathways courses:

(6 credits) From either History (HI1) OR Social & Behavioral Sciences (SS1,SS2 or SS3) listed in the categories above.

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.

COM 115	Public Speaking	3
COM 125	Interpersonal Communication	3
COM 217	Group Communication	3
COM	Choose one course with a COM prefix	3

**Electives: 11 credits**

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

Please note: Additional COM courses beyond the 4 courses (12 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

[https://higher.ed.colorado.gov/Academics/Transfers/Agreements/STAA\\_COM\\_MUNICIPATION\\_Final.pdf](https://higher.ed.colorado.gov/Academics/Transfers/Agreements/STAA_COM_MUNICIPATION_Final.pdf).

See an advisor for help with choosing electives.

**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-CO<sub>1</sub>, GT-CO<sub>2</sub>)

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
	One gtPathways approved CO <sub>3</sub> Course	3

**Mathematics**

(3 - 4 credits – MA<sub>1</sub>)

Select one course: MAT 135 Preferred, except as noted below. Credits over 3 will be applied to electives.

MAT 120	Mathematics for Liberal Arts: GT-MA <sub>1</sub>	4
MAT 121	College Algebra: GT-MA <sub>1</sub>	4
MAT 122	College Trigonometry: GT-MA <sub>1</sub>	3
MAT 123	Finite Mathematics: GT-MA <sub>1</sub>	4
MAT 125	Survey of Calculus: GT-MA <sub>1</sub>	4
MAT 135	Introduction to Statistics: (GT-MA <sub>1</sub> )	3
MAT 166	Pre-Calculus: (GT-MA <sub>1</sub> )	5
MAT 201	Calculus I: GT-MA <sub>1</sub>	5
MAT 202	Calculus II: GT-MA <sub>1</sub>	5

MAT 203	Calculus III: GT-MA <sub>1</sub>	4
MAT 204	Calculus III with Engineering Applications: GT-MA <sub>1</sub>	5
MAT 261	Differential Equations with Engineering Applications: GT-MA <sub>1</sub>	4
MAT 265	Differential Equations: GT-MA <sub>1</sub>	3

Note:

- University of Colorado Colorado Springs prefers MAT 120: Mathematics for the Liberal Arts
- Colorado Mesa University requires either MAT 120 or MAT 121
- University of Northern Colorado requires MAT 135

**Arts and Humanities**

(6 credits - GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>)

Select 2 gtPathways courses from two different categories (GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>).

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH <sub>1</sub> )	3
ART 111	Art History - Ancient to Medieval (GT-AH <sub>1</sub> )	3
ART 112	Art History – Renaissance to Modern (GT-AH <sub>1</sub> )	3
ART 207	Art History - 1900 to Present (GT-AH <sub>1</sub> )	3
ENG 221	Creative Writing I (GT-AH <sub>1</sub> )	3
MUS 120	Music Appreciation (GT-AH <sub>1</sub> )	3
MUS 121	Music History: Medieval through Classical Period (GT-AH <sub>1</sub> )	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH <sub>1</sub> )	3
MUS 123	Survey of World Music (GT-AH <sub>1</sub> )	3
MUS 125	History of Jazz (GT-AH <sub>1</sub> )	3
THE 105	Theatre Appreciation (GT-AH <sub>1</sub> )	3
THE 108	Theater Script Analysis (GT-AH <sub>1</sub> )	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH <sub>1</sub> )	3
THE 212	Development of Theatre Restoration to Modern (GT-AH <sub>1</sub> )	3
THE 215	Playwriting (GT-AH <sub>1</sub> )	3

**Category II (GT-AH2)**

HUM 115	World Mythology (GT-AH <sub>2</sub> )	3
HUM 121	Humanities: Early Civilizations (GT-AH <sub>2</sub> )	3
HUM 122	Humanities: Medieval-Modern (GT-AH <sub>2</sub> )	3
HUM 123	The Modern World (GT-AH <sub>2</sub> )	3
LIT 115	Introduction to Literature (GT-AH <sub>2</sub> )	3
LIT 201	World Literature to 1600 (GT-AH <sub>2</sub> )	3
LIT 202	World Literature after 1600 (GT-AH <sub>2</sub> )	3
LIT 205	Ethnic Literature (GT-AH <sub>2</sub> )	3
LIT 211	American Literature to Civil War (GT-AH <sub>2</sub> )	3
LIT 212	American Literature after Civil War (GT-AH <sub>2</sub> )	3
LIT 221	British Literature to 1770 (GT-AH <sub>2</sub> )	3
LIT 222	British Literature since 1770 (GT-AH <sub>2</sub> )	3
LIT 225	Introduction to Shakespeare (GT-AH <sub>2</sub> )	3
LIT 246	Literature of Women (GT-AH <sub>2</sub> )	3
LIT 259	Survey of African American Literature (GT-AH <sub>2</sub> )	3

**Category III (GT-AH3)**

PHI 111	Introduction to Philosophy (GT-AH <sub>3</sub> )	3
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PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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 1 History course:

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS3)

SOC 101	Introduction to Sociology I (GT-SS3)	3
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### And one gtPathways Social and Behavioral Sciences Course

#### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT:SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3

SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(7-8 credits - GT-SC1, GT-SC2)

Select two gtPathways Natural & Physical Sciences courses (GT-SC1 or GT-SC2).

One course must be lab-based (GT-SC1).

Credits over 7 will be applied to electives.

#### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

#### Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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### Additional Required Courses: 27 credits

COM 115	Public Speaking	3
	OR	

COM 125	Interpersonal Communication	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
CRJ 125	Policing Systems	3
CRJ 145	Correctional Process	3

### Choose two (2) courses from the following: (6 credits)

CRJ 127	Crime Scene Investigation	3
CRJ 135	Judicial Function	3
CRJ 205	Principles of Criminal Law	3
CRJ 209	Criminal Investigation I	3
CRJ 230	Criminology	3
CRJ 236	CRJ Research Methods	3
CRJ 257	Victimology	3
CRJ 268	Criminal Profiling	3

### Choose three (3) courses from the following: (9 credits)

ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
COM 217	Group Communication	3
COM 225	Organizational Communication	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
PSY 207	Intro Forensic Psychology	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 231	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.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

## 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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

#### Mathematics

(4 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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#### Arts and Humanities

(6 credits)

Select two courses:

Choose one of the following:

ART 110	Art Appreciation (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3

AND

Choose one of the following:

LIT 115	Introduction to Literature (GT-AH2)	3
LIT 255	Children's Literature	3

#### Social and Behavioral Sciences

(6 credits)

GEO 105	World Regional Geography (GT-SS2)	3
PSY 101	General Psychology I (GT-SS3)	3

#### History

(3 credits)

Select one course:

HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3

#### Natural and Physical Sciences

(8 Credits)

SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

### Early Childhood Education Requirements: 18 credits

ECE 101	Introduction to Early Childhood Education	3
ECE 102	Introduction to Early Childhood Education Techniques	3
ECE 103	Guidance Strategies for young Children	3
ECE 220	Curriculum Development: Methods and Techniques	3
ECE 238	ECE Child Growth & Development	3

ECE 256	Working with Parents, Families, and Community Systems	3
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### Electives: 9 credits

Electives determined by transfer institution. Please see your Pathways Advisor for more information. Electives by institution can be found at [https://higher.ed.colorado.gov/Academics/Transfers/Agreements/STAA\\_ECE\\_Final\\_Agreement.pdf](https://higher.ed.colorado.gov/Academics/Transfers/Agreements/STAA_ECE_Final_Agreement.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: 37 credits**

### English and Communication

(6 credits – GT-CO1, GT-CO2)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

### Mathematics

(5 credits – GT-MA1)

MAT 201	Calculus I: GT-MA1	5
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### Arts and Humanities

(9 credits-GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select three gtPathways Arts & Humanities courses from the following:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

#### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3

HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

#### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

#### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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-H11)

Select 1 gtPathways course:

#### Category I (GT-H11)

HIS 101	Western Civilization: Antiquity - 1650 (GT-H11)	3
HIS 111	The World: Antiquity - 1500 (GT-H11)	3
HIS 112	The World: 1500 - Present (GT-H11)	3
HIS 121	US History to Reconstruction (GT-H11)	3
HIS 122	US History Since Civil War (GT-H11)	3
HIS 205	Women in World History (GT-H11)	3
HIS 208	American Indian History (GT-H11)	3
HIS 215	Women in U.S. History (GT-H11)	3
HIS 225	Colorado History (GT-H11)	3
HIS 244	History of Latin America (GT-H11)	3
HIS 247	20th Century World History (GT-H11)	3
HIS 250	African American History (GT-H11)	3

HIS 247: Recommended

### Social and Behavioral Sciences

(6 credits - GT-SS2)

#### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3

### Natural and Physical Sciences

(8 credits - GT-SC1, GT-SC2)

Select 2 gtPathways courses, one must be with laboratory (GT-SC1):

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

## Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

## Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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## Additional Required Courses: 3 credits

MAT 135	Introduction to Statistics: (GT-MA1)	3
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## Electives: 20 credits

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

## 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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

Some educator preparation programs require a B- in ENG 121 as an admission requirement. However, a C- or better meets the general education GT-CO1 requirement

### Mathematics

(6 credits - MA1)

MAT 155	Integrated Math I	3
MAT 156	Integrated Math II	3

Completion of MAT 155 & MAT 156 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.

### Arts and Humanities

(3 credits - AH2)

Choose one:

LIT 115	Introduction to Literature (GT-AH2)	3
	OR	
LIT 201	World Literature to 1600 (GT-AH2)	3
	OR	
LIT 202	World Literature after 1600 (GT-AH2)	3
	OR	
LIT 211	American Literature to Civil War (GT-AH2)	3
	OR	
LIT 221	British Literature to 1770 (GT-AH2)	3

### History

(3 credits - HI1)

HIS 121	US History to Reconstruction (GT-HI1)	3
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### Social and Behavioral Sciences

(6 Credits)

GEO 105	World Regional Geography (GT-SS2)	3
POS 111	American Government (GT-SS1)	3

### Natural and Physical Science

(8 Credits – GT-SC1)

SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Students must pass with a C- or higher BOTH SCI 155 & MAT 156 to satisfy the GT Pathways science requirement.

**Education Requirements: 9 credits**

COM 115	Public Speaking	3
EDU 221	Introduction to Education	3
PSY 238	Child Development (GT-SS3)	3

**Electives: 19 credits**

Total elective credits are based on Transfer Institution. See [https://higherred.colorado.gov/Academics/Transfers/Agreements/STAA\\_ELED\\_Agreement\\_Final.pdf](https://higherred.colorado.gov/Academics/Transfers/Agreements/STAA_ELED_Agreement_Final.pdf) for a list of classes for specific institutions. Please consult your Pathways Advisor for assistance. (Consult an advisor at the transfer institution to determine appropriate electives.)

**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-CO<sub>1</sub>, GT-CO<sub>2</sub>, GT-CO<sub>3</sub>)

Select 2 gtPathways courses

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
ENG 201	Composition III: Writing for Public Discourse (GT-CO <sub>3</sub> )	3

**Mathematics**

(3 credits – (GT-MA<sub>1</sub>))

Select one gtPathways Mathematics course, but not MAT 155 or MAT 156.

**MAT 120 is recommended**

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5

MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

**Arts and Humanities**

(9 credits- GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>)

Select 3 gtPathways courses

(NOTE: GT-AH<sub>2</sub> Literature (LIT) courses will NOT be accepted to fulfill this requirement.)

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

**Category II (GT-AH2)**

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3

**Category III (GT-AH3)**

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

**Category IV (GT-AH4)**

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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-HI<sub>1</sub>)

Select one gtPathways course:

**Category I (GT-HI1)**

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

**Social and Behavioral Sciences**

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

**Category I (GT-SS1)**

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

**Category II (GT-SS2)**

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

**Category III (GT-SS3)**

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

**Natural and Physical Sciences**

(7 Credits – GT-SC1)

Select 2 gtPathways courses, one must be with laboratory (GT-SC1):

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

**Category I (GT-SC1)**

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

**Category II (GT-SC2)**

BIO 116	Introduction to Human Disease (GT-SC2)	3
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**Additional Required Courses: 18 credits**

COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3
	OR	
COM 225	Organizational Communication	3
	AND 5 LIT courses 15 credits	
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3

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LIT 212	American Literature after Civil War (GT-AH2)	3	
LIT 221	British Literature to 1770 (GT-AH2)	3	
LIT 222	British Literature since 1770 (GT-AH2)	3	
LIT 225	Introduction to Shakespeare (GT-AH2)	3	
LIT 246	Literature of Women (GT-AH2)	3	
LIT 259	Survey of African American Literature (GT-AH2)	3	

Please **Note**: Students are required to take a *total of 5 (five)* gtPathways Arts & Humanities LITERATURE (LIT) courses from GT-AH2 (15 credits), 4 (four) of which must be at the 200-level. Please consult with your receiving institution regarding best choices for literature courses.

### Electives: 8 credits

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

Recommended elective: ENG 221 Creative Writing 1 (3 credits)

## Geography 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: 32-33 credits**

### English and Communication

(6 credits – GT-CO1, GT-CO2)

Select 2 gtPathways courses:

ENG 121	English Composition I (GT-CO1)	3	
	AND		
ENG 122	English Composition II (GT-CO2)	3	
	OR		
ENG 122	English Composition II (GT-CO2)	3	
	AND		
	One gtPathways approved CO3 Course	3	

### Mathematics

(3 - 4 credits – MA1)

Select one course: MAT 135 Preferred, except as noted below. Credits over 3 will be applied to electives.

MAT 120	Mathematics for Liberal Arts: GT-MA1	4	
MAT 121	College Algebra: GT-MA1	4	
MAT 122	College Trigonometry: GT-MA1	3	
MAT 123	Finite Mathematics: GT-MA1	4	

MAT 125	Survey of Calculus: GT-MA1	4	
MAT 135	Introduction to Statistics: (GT-MA1)	3	
MAT 166	Pre-Calculus: (GT-MA1)	5	
MAT 201	Calculus I: GT-MA1	5	
MAT 202	Calculus II: GT-MA1	5	
MAT 203	Calculus III: GT-MA1	4	
MAT 204	Calculus III with Engineering Applications: GT-MA1	5	
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4	
MAT 265	Differential Equations: GT-MA1	3	

Note:

- Adams State University requires MAT 121: College Algebra
- Metropolitan State University of Denver requires either MAT 135: Introduction to Statistics or MAT 121: College Algebra
- University of Colorado Denver requires either MAT 121: College Algebra or MAT 135: Intro to Statistics.
- University of Colorado Colorado Springs prefers MAT 120: Mathematics for the Liberal Arts

### Arts and Humanities

(6 credits- GT-AH1,GT-AH2,GT-AH3)

Select 2 courses:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3	
ART 111	Art History - Ancient to Medieval (GT-AH1)	3	
ART 112	Art History – Renaissance to Modern (GT-AH1)	3	
ART 207	Art History - 1900 to Present (GT-AH1)	3	
ENG 221	Creative Writing I (GT-AH1)	3	
MUS 120	Music Appreciation (GT-AH1)	3	
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3	
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3	
MUS 123	Survey of World Music (GT-AH1)	3	
MUS 125	History of Jazz (GT-AH1)	3	
THE 105	Theatre Appreciation (GT-AH1)	3	
THE 108	Theater Script Analysis (GT-AH1)	3	
THE 211	Development of Theatre Greek-Reniassance (GT-AH1)	3	
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3	
THE 215	Playwriting (GT-AH1)	3	

#### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3	
HUM 121	Humanities: Early Civilizations (GT-AH2)	3	
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3	
HUM 123	The Modern World (GT-AH2)	3	
LIT 115	Introduction to Literature (GT-AH2)	3	
LIT 201	World Literature to 1600 (GT-AH2)	3	
LIT 202	World Literature after 1600 (GT-AH2)	3	
LIT 205	Ethnic Literature (GT-AH2)	3	

LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### History

(3 credits – GT-HI1)

Select one course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS1 OR GT-SS3)

Select 2 gtPathways courses:

#### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

#### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3

ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

Select two gtPathways Natural & Physical Sciences courses (GT-SC1 only)\*\*

(8 Credits – GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

- NO GEO-prefix science courses
- GEY 111: Not recommended
- For Adams State, students must take BIO 111 and CHE 101.

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

### Additional Required Courses: 14 credits

GEO 105	World Regional Geography (GT-SS2)	3
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GEO 106	Human Geography (GT-SS2)	3
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4

## Electives: 13-14 credits

### Electives may be chosen from any gtPathways Course

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

- Maximum of 6 (six) credits may be in GEO or GIS prefix.
- Number of elective credits may vary according to receiving institution. You are advised to contact an advisor at the receiving institution.

## 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 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

#### Mathematics

(3 credits – MA1)

Select one gtPathways course:

MAT 120 is recommended

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4

MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5
MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

## Arts and Humanities

(9 credits, GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 3 courses

### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3

PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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-H1a)

Select 1 gtPathways course:

HIS 101	Western Civilization: Antiquity - 1650 (GT-H1a)	3
	OR	
HIS 111	The World: Antiquity - 1500 (GT-H1a)	3

Students planning to transfer to University of Colorado Boulder must take HIS 101 or HIS 102 to fulfill this requirement.

### Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 courses:

#### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

#### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

#### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT:SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3

SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(7 Credits – GT-SC1, GT-SC2)

Select 2 courses; one must be with required laboratory (GT-SC1):

#### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology,with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

#### Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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### Additional Required Courses: 15 credits

COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3

HIS 112	The World: 1500 - Present (GT-HI1)	3
	OR	
	HIS 102 - Not offered at CCA	

HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3

AND

Students planning to transfer to University of Colorado Boulder must take either HIS 101 or HIS 102 to fulfill this requirement. However, CCA does not offer HIS 102.

### One Additional gtPathways History Course:

HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	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

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

Students planning to transfer to CSU Ft. Collins are advised to complete at least two semesters of one college level foreign language.

## Philosophy 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 Philosophy. Students explore hidden meanings behind everyday life. Careers often require a master's degree or higher. Philosophy explores human ideas and problems, such as life, reality, values, knowledge, understanding, and language. It has many areas and the content involves many places, cultures, and periods of history. This program introduces students to the field of Philosophy and it includes courses that are common to all four-year institutions in Colorado. Career paths for Philosophy degree holders include law, government, business, science, teaching, and advanced university studies. The Associate of Arts (AA) degree in Philosophy prepares students to complete the second half of a Bachelor of Arts (BA) in Philosophy at a four-year university.

**Degree Requirements: 60 credits**

### General Education Requirements: 31 credits

#### English and Communication

(6 credits – GT-CO1, GT-CO2)

Select two courses:

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	3
	AND	

One gtPathways approved CO3 Course 3

## Mathematics

(3 credits – GT-MA1)

Select one course:

MAT 120 is recommended

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5
MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

## Arts and Humanities

(6 credits- GT-AH1, GT-AH2, GT-AH4)

Select 2 courses:

### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3

LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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 course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 courses:

#### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

#### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

#### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3

ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(7 Credits – GT-SC1, GT-SC2)

Select two gtPathways course; one must be with required Laboratory (GT-SC1):

#### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology,with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

**Category II (GT-SC2)**

BIO 116	Introduction to Human Disease (GT-SC2)	3
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**Additional Philosophy Required Courses: 15 credits**

Take the following three courses:

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3

And two of the following courses:

PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

**Electives: 14 credits****Electives may be chosen from any gtPathways Course**

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

**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 2 gtPathways courses:

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

**Mathematics**

(3 credits – GT-MA1)

One gtPathways Mathematics course:

MAT 135 is recommended.

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5
MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 204	Calculus III with Engineering Applications: GT-MA1	5
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

gtPathways Mathematics course: But not MAT 155 or MAT 156.

**Arts and Humanities**

(6 credits- GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 2 courses:

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

**Category II (GT-AH2)**

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3

LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 212	Spanish Language IV (GT-AH4)	3
SPA 211	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 course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS1)

Take both courses:

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3

### Natural and Physical Sciences

(8 Credits – GT-SC1 only)

Select two gtPathways courses:

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4

BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

### Additional Required Courses: 12 credits

POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	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. See explanation in Limitations section.

### Electives: 16 credits

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

## 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: 34-36 credits****English and Communication**(6 credits – GT-CO<sub>1</sub>, GT-CO<sub>2</sub>)

English – Select two gtPathways courses:

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
	One gtPathways approved CO <sub>3</sub> Course	3

**Mathematics**(3 - 4 credits – MA<sub>1</sub>)

Select one course: MAT 135 Preferred. Credits over 3 will be applied to electives.

MAT 120	Mathematics for Liberal Arts: GT-MA <sub>1</sub>	4
MAT 121	College Algebra: GT-MA <sub>1</sub>	4
MAT 122	College Trigonometry: GT-MA <sub>1</sub>	3
MAT 123	Finite Mathematics: GT-MA <sub>1</sub>	4
MAT 125	Survey of Calculus: GT-MA <sub>1</sub>	4
MAT 135	Introduction to Statistics: (GT-MA <sub>1</sub> )	3
MAT 166	Pre-Calculus: (GT-MA <sub>1</sub> )	5
MAT 201	Calculus I: GT-MA <sub>1</sub>	5
MAT 202	Calculus II: GT-MA <sub>1</sub>	5
MAT 203	Calculus III: GT-MA <sub>1</sub>	4
MAT 204	Calculus III with Engineering Applications: GT-MA <sub>1</sub>	5
MAT 261	Differential Equations with Engineering Applications: GT-MA <sub>1</sub>	4
MAT 265	Differential Equations: GT-MA <sub>1</sub>	3

Note:

- Colorado Mesa University requires either MAT 120 or MAT 121
- Colorado State University-Pueblo prefers MAT 121
- Fort Lewis College requires MAT 135
- University of Colorado Boulder requires MAT 121 or higher
- University of Colorado Colorado Springs requires MAT 121
- Western State Colorado University requires MAT 121

**Arts and Humanities**(9 credits- GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>)

Select 3 gtPathways courses with no more than 2 courses from any 1 category:

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH <sub>1</sub> )	3
ART 111	Art History - Ancient to Medieval (GT-AH <sub>1</sub> )	3
ART 112	Art History – Renaissance to Modern (GT-AH <sub>1</sub> )	3
ART 207	Art History - 1900 to Present (GT-AH <sub>1</sub> )	3
ENG 221	Creative Writing I (GT-AH <sub>1</sub> )	3
MUS 120	Music Appreciation (GT-AH <sub>1</sub> )	3
MUS 121	Music History: Medieval through Classical Period (GT-AH <sub>1</sub> )	3

MUS 122	Music History Early Romantic Period to the Present (GT-AH <sub>1</sub> )	3
MUS 123	Survey of World Music (GT-AH <sub>1</sub> )	3
MUS 125	History of Jazz (GT-AH <sub>1</sub> )	3
THE 105	Theatre Appreciation (GT-AH <sub>1</sub> )	3
THE 108	Theater Script Analysis (GT-AH <sub>1</sub> )	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH <sub>1</sub> )	3
THE 212	Development of Theatre Restoration to Modern (GT-AH <sub>1</sub> )	3
THE 215	Playwriting (GT-AH <sub>1</sub> )	3

**Category II (GT-AH2)**

HUM 115	World Mythology (GT-AH <sub>2</sub> )	3
HUM 121	Humanities: Early Civilizations (GT-AH <sub>2</sub> )	3
HUM 122	Humanities: Medieval-Modern (GT-AH <sub>2</sub> )	3
HUM 123	The Modern World (GT-AH <sub>2</sub> )	3
LIT 115	Introduction to Literature (GT-AH <sub>2</sub> )	3
LIT 201	World Literature to 1600 (GT-AH <sub>2</sub> )	3
LIT 202	World Literature after 1600 (GT-AH <sub>2</sub> )	3
LIT 205	Ethnic Literature (GT-AH <sub>2</sub> )	3
LIT 211	American Literature to Civil War (GT-AH <sub>2</sub> )	3
LIT 212	American Literature after Civil War (GT-AH <sub>2</sub> )	3
LIT 221	British Literature to 1770 (GT-AH <sub>2</sub> )	3
LIT 222	British Literature since 1770 (GT-AH <sub>2</sub> )	3
LIT 225	Introduction to Shakespeare (GT-AH <sub>2</sub> )	3
LIT 246	Literature of Women (GT-AH <sub>2</sub> )	3
LIT 259	Survey of African American Literature (GT-AH <sub>2</sub> )	3

**Category III (GT-AH3)**

PHI 111	Introduction to Philosophy (GT-AH <sub>3</sub> )	3
PHI 112	Ethics (GT-AH <sub>3</sub> )	3
PHI 113	Logic (GT-AH <sub>3</sub> )	3
PHI 214	Philosophy of Religion (GT-AH <sub>3</sub> )	3
PHI 218	Environmental Ethics (GT-AH <sub>3</sub> )	3
PHI 220	Philosophy of Death and Dying (GT-AH <sub>3</sub> )	3

**Category IV (GT-AH4)**

SPA 211	Spanish Language III (GT-AH <sub>4</sub> )	3
SPA 212	Spanish Language IV (GT-AH <sub>4</sub> )	3

Many CO 4-year institutions require foreign language for admission.

Check with your college of transfer intent.

**History**(3 credits – GT-HI<sub>1</sub>)

Select one gtPathways course:

**Category I (GT-HI1)**

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI <sub>1</sub> )	3
HIS 111	The World: Antiquity - 1500 (GT-HI <sub>1</sub> )	3
HIS 112	The World: 1500 - Present (GT-HI <sub>1</sub> )	3
HIS 121	US History to Reconstruction (GT-HI <sub>1</sub> )	3
HIS 122	US History Since Civil War (GT-HI <sub>1</sub> )	3
HIS 205	Women in World History (GT-HI <sub>1</sub> )	3
HIS 208	American Indian History (GT-HI <sub>1</sub> )	3

HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

## Natural and Physical Sciences

(7-8 Credits – GT-SC1)

Select one gtPathways GT-SC1 course (BIO) with lab, and take one additional GT-SC1 course of the student's choosing:

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4

AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

## Additional Required Courses: 18 credits

PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
	AND	
PSY	Three additional gtPathways Psychology courses	9
COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3

## Electives: 6-8 credits

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

## 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



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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: 35-36 credits

### English and Communication

(6 credits – GT-CO<sub>1</sub>, GT-CO<sub>2</sub>)

Take 2 gtPathways courses:

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
	One gtPathways approved CO <sub>3</sub> Course	3

### Mathematics

(3 - 4 credits – MA<sub>1</sub>)

Select one course: MAT 135 Preferred. Credits over 3 will be applied to electives.

MAT 120	Mathematics for Liberal Arts: GT-MA <sub>1</sub>	4
MAT 121	College Algebra: GT-MA <sub>1</sub>	4
MAT 122	College Trigonometry: GT-MA <sub>1</sub>	3
MAT 123	Finite Mathematics: GT-MA <sub>1</sub>	4
MAT 125	Survey of Calculus: GT-MA <sub>1</sub>	4
MAT 135	Introduction to Statistics: (GT-MA <sub>1</sub> )	3
MAT 166	Pre-Calculus: (GT-MA <sub>1</sub> )	5
MAT 201	Calculus I: GT-MA <sub>1</sub>	5
MAT 202	Calculus II: GT-MA <sub>1</sub>	5
MAT 203	Calculus III: GT-MA <sub>1</sub>	4
MAT 204	Calculus III with Engineering Applications: GT-MA <sub>1</sub>	5
MAT 261	Differential Equations with Engineering Applications: GT-MA <sub>1</sub>	4
MAT 265	Differential Equations: GT-MA <sub>1</sub>	3

Note:

- Adams State University prefers MAT 121
- Colorado Mesa University requires either MAT 120 or MAT 121
- University of Colorado Denver requires MAT 121 or MAT 123 or MAT 135
- Western State Colorado University requires MAT 120 or MAT 121

### Arts and Humanities

(9 credits- GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>)

Select 3 gtPathways courses:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH <sub>1</sub> )	3
ART 111	Art History - Ancient to Medieval (GT-AH <sub>1</sub> )	3
ART 112	Art History – Renaissance to Modern (GT-AH <sub>1</sub> )	3

ART 207	Art History - 1900 to Present (GT-AH <sub>1</sub> )	3
ENG 221	Creative Writing I (GT-AH <sub>1</sub> )	3
MUS 120	Music Appreciation (GT-AH <sub>1</sub> )	3
MUS 121	Music History: Medieval through Classical Period (GT-AH <sub>1</sub> )	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH <sub>1</sub> )	3
MUS 123	Survey of World Music (GT-AH <sub>1</sub> )	3
MUS 125	History of Jazz (GT-AH <sub>1</sub> )	3
THE 105	Theatre Appreciation (GT-AH <sub>1</sub> )	3
THE 108	Theater Script Analysis (GT-AH <sub>1</sub> )	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH <sub>1</sub> )	3
THE 212	Development of Theatre Restoration to Modern (GT-AH <sub>1</sub> )	3
THE 215	Playwriting (GT-AH <sub>1</sub> )	3

#### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH <sub>2</sub> )	3
HUM 121	Humanities: Early Civilizations (GT-AH <sub>2</sub> )	3
HUM 122	Humanities: Medieval-Modern (GT-AH <sub>2</sub> )	3
HUM 123	The Modern World (GT-AH <sub>2</sub> )	3
LIT 115	Introduction to Literature (GT-AH <sub>2</sub> )	3
LIT 201	World Literature to 1600 (GT-AH <sub>2</sub> )	3
LIT 202	World Literature after 1600 (GT-AH <sub>2</sub> )	3
LIT 205	Ethnic Literature (GT-AH <sub>2</sub> )	3
LIT 211	American Literature to Civil War (GT-AH <sub>2</sub> )	3
LIT 212	American Literature after Civil War (GT-AH <sub>2</sub> )	3
LIT 221	British Literature to 1770 (GT-AH <sub>2</sub> )	3
LIT 222	British Literature since 1770 (GT-AH <sub>2</sub> )	3
LIT 225	Introduction to Shakespeare (GT-AH <sub>2</sub> )	3
LIT 246	Literature of Women (GT-AH <sub>2</sub> )	3
LIT 259	Survey of African American Literature (GT-AH <sub>2</sub> )	3

#### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH <sub>3</sub> )	3
PHI 112	Ethics (GT-AH <sub>3</sub> )	3
PHI 113	Logic (GT-AH <sub>3</sub> )	3
PHI 214	Philosophy of Religion (GT-AH <sub>3</sub> )	3
PHI 218	Environmental Ethics (GT-AH <sub>3</sub> )	3
PHI 220	Philosophy of Death and Dying (GT-AH <sub>3</sub> )	3

#### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH <sub>4</sub> )	3
SPA 212	Spanish Language IV (GT-AH <sub>4</sub> )	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer intent.

### History

(3 credits – GT-HI<sub>1</sub>)

Select one gtPathways course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI <sub>1</sub> )	3
HIS 111	The World: Antiquity - 1500 (GT-HI <sub>1</sub> )	3
HIS 112	The World: 1500 - Present (GT-HI <sub>1</sub> )	3

HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

## Natural and Physical Sciences

(8 Credits – GT-SC1 only)

Select 2 gtPathways courses:

### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

### Additional Required Courses: 18 credits

COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC	Three gtPathways SOC courses in Social and Behavioral Sciences	9

gtPathways Social and Behavioral Sciences Courses: GT-SS3.

Please Note: 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. See explanation in Limitations section at [https://higher.ed.colorado.gov/Academics/Transfers/Agreements/STAA\\_SOCIOLOGY\\_Final.pdf](https://higher.ed.colorado.gov/Academics/Transfers/Agreements/STAA_SOCIOLOGY_Final.pdf).

### Electives: 6-7 credits

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS degree core can also be taken as an elective.

## 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-CO<sub>1</sub>, GT-CO<sub>2</sub>, GT-CO<sub>3</sub>)

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
	One gtPathways approved CO <sub>3</sub> Course	3

### Mathematics

(3 credits – GT-MA<sub>1</sub>)

Select one gtPathways course:

MAT 120 is recommended

MAT 120	Mathematics for Liberal Arts: GT-MA <sub>1</sub>	4
MAT 121	College Algebra: GT-MA <sub>1</sub>	4
MAT 122	College Trigonometry: GT-MA <sub>1</sub>	3
MAT 123	Finite Mathematics: GT-MA <sub>1</sub>	4
MAT 125	Survey of Calculus: GT-MA <sub>1</sub>	4
MAT 135	Introduction to Statistics: (GT-MA <sub>1</sub> )	3
MAT 166	Pre-Calculus: (GT-MA <sub>1</sub> )	5
MAT 201	Calculus I: GT-MA <sub>1</sub>	5
MAT 202	Calculus II: GT-MA <sub>1</sub>	5
MAT 203	Calculus III: GT-MA <sub>1</sub>	4
MAT 204	Calculus III with Engineering Applications: GT-MA <sub>1</sub>	5
MAT 261	Differential Equations with Engineering Applications: GT-MA <sub>1</sub>	4

MAT 265	Differential Equations: GT-MA <sub>1</sub>	3
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## Arts and Humanities

(9 credits-GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>)

SPA 211	Spanish Language III (GT-AH <sub>4</sub> )	3
SPA 212	Spanish Language IV (GT-AH <sub>4</sub> )	3
	AND	

**Select 1 gtPathways course from the following:**

### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH <sub>1</sub> )	3
ART 111	Art History - Ancient to Medieval (GT-AH <sub>1</sub> )	3
ART 112	Art History – Renaissance to Modern (GT-AH <sub>1</sub> )	3
ART 207	Art History - 1900 to Present (GT-AH <sub>1</sub> )	3
ENG 221	Creative Writing I (GT-AH <sub>1</sub> )	3
MUS 120	Music Appreciation (GT-AH <sub>1</sub> )	3
MUS 121	Music History: Medieval through Classical Period (GT-AH <sub>1</sub> )	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH <sub>1</sub> )	3
MUS 123	Survey of World Music (GT-AH <sub>1</sub> )	3
MUS 125	History of Jazz (GT-AH <sub>1</sub> )	3
THE 105	Theatre Appreciation (GT-AH <sub>1</sub> )	3
THE 108	Theater Script Analysis (GT-AH <sub>1</sub> )	3
THE 211	Development of Theatre Greek-Reniassance (GT-AH <sub>1</sub> )	3
THE 212	Development of Theatre Restoration to Modern (GT-AH <sub>1</sub> )	3
THE 215	Playwriting (GT-AH <sub>1</sub> )	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH <sub>2</sub> )	3
HUM 121	Humanities: Early Civilizations (GT-AH <sub>2</sub> )	3
HUM 122	Humanities: Medieval-Modern (GT-AH <sub>2</sub> )	3
HUM 123	The Modern World (GT-AH <sub>2</sub> )	3
LIT 115	Introduction to Literature (GT-AH <sub>2</sub> )	3
LIT 201	World Literature to 1600 (GT-AH <sub>2</sub> )	3
LIT 202	World Literature after 1600 (GT-AH <sub>2</sub> )	3
LIT 205	Ethnic Literature (GT-AH <sub>2</sub> )	3
LIT 211	American Literature to Civil War (GT-AH <sub>2</sub> )	3
LIT 212	American Literature after Civil War (GT-AH <sub>2</sub> )	3
LIT 221	British Literature to 1770 (GT-AH <sub>2</sub> )	3
LIT 222	British Literature since 1770 (GT-AH <sub>2</sub> )	3
LIT 225	Introduction to Shakespeare (GT-AH <sub>2</sub> )	3
LIT 246	Literature of Women (GT-AH <sub>2</sub> )	3
LIT 259	Survey of African American Literature (GT-AH <sub>2</sub> )	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH <sub>3</sub> )	3
PHI 112	Ethics (GT-AH <sub>3</sub> )	3
PHI 113	Logic (GT-AH <sub>3</sub> )	3
PHI 214	Philosophy of Religion (GT-AH <sub>3</sub> )	3
PHI 218	Environmental Ethics (GT-AH <sub>3</sub> )	3

PHI 220 Philosophy of Death and Dying (GT-AH3) 3

### Category IV (GT-AH4)

SPA 211 Spanish Language III (GT-AH4) 3

SPA 212 Spanish Language IV (GT-AH4) 3

SPA 211, SPA 212: Those students who have a higher proficiency level that is required for SPA 211 or SPA 212 should substitute other Arts & Humanities courses. Heritage speakers may want to substitute SPA 261 and SPA 262, if available

### History

(3 credits – GT-HI1)

#### Category I (GT-HI1)

HIS 244 History of Latin America (GT-HI1) 3

OR

Another gtPathways non-U.S. History course 3

HIS 101 Western Civilization: Antiquity - 1650 (GT-HI1) 3

HIS 111 The World: Antiquity - 1500 (GT-HI1) 3

HIS 112 The World: 1500 - Present (GT-HI1) 3

HIS 205 Women in World History (GT-HI1) 3

HIS 247 20th Century World History (GT-HI1) 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 2 gtPathways courses:

#### Category I (GT-SS1)

ECO 201 Principles of Macroeconomics (GT-SS1) 3

ECO 202 Principles of Microeconomics (GT-SS1) 3

POS 105 Introduction to Political Science (GT-SS1) 3

POS 111 American Government (GT-SS1) 3

POS 125 American State and Local Government (GT-SS1) 3

POS 205 International Relations (GT-SS1) 3

POS 225 Comparative Government (GT-SS1) 3

#### Category II (GT-SS2)

GEO 105 World Regional Geography (GT-SS2) 3

GEO 106 Human Geography (GT-SS2) 3

#### Category III (GT-SS3)

ANT 101 Cultural Anthropology (GT-SS3) 3

ANT 107 Introduction to Archaeology (GT-SS3) 3

ANT 201 Introduction to Forensic Anthropology (GT-SS3) 3

ANT 215 Indians of North America (GT-SS3) 3

ANT 250 Medical Anthropology (GT-SS3) 3

COM 220 Intercultural Communication (GT-SS3) 3

CRJ 110 Introduction to Criminal Justice (GT-SS3) 3

ETH 200 Introduction to Ethnic Studies (GT-SS3) 3

PSY 101 General Psychology I (GT-SS3) 3

PSY 102 General Psychology II (GT-SS3) 3

PSY 205 Psychology of Gender (GT-SS3) 3

PSY 217 Human Sexuality (GT-SS3) 3

PSY 226 Social Psychology (GT-SS3) 3

PSY 235 Human Growth and Development (GT-SS3) 3

PSY 238 Child Development (GT-SS3) 3

PSY 249 Abnormal Psychology (GT-SS3) 3

SOC 101 Introduction to Sociology I (GT-SS3) 3

SOC 102 Introduction to Sociology II (GT-SS3) 3

SOC 205 Sociology of Family Dynamics (GT-SS3) 3

SOC 207 Environmental Sociology (GT-SS3) 3

SOC 215 Contemporary Social Problems (GT-SS3) 3

SOC 218 Sociology of Diversity (GT-SS3) 3

SOC 220 Sociology of Religion (GT-SS3) 3

SOC 231 Sociology of Deviant Behavior (GT-SS3) 3

WST 200 Introduction to Women's Studies (GT-SS3) 3

### Natural and Physical Sciences

(7 Credits - GT-SC1 and GT-SC2)

Select 2 gtPathways courses. One of these courses must have the required laboratory (GT-SC1):

#### Category I (GT-SC1)

ANT 111 Biological Anthropology w/Lab (GT-SC1) 4

AST 101 Astronomy I with Lab (GT-SC1) 4

AST 102 Astronomy II with Lab (GT-SC1) 4

BIO 105 Science of Biology with Lab (GT-SC1) 4

BIO 111 General College Biology I with Lab (GT-SC1) 5

BIO 112 General College Biology II with Lab (GT-SC1) 5

BIO 201 Human Anatomy and Physiology I with Lab (GT-SC1) 4

BIO 202 Human Anatomy and Physiology II with Lab (GT-SC1) 4

BIO 204 Microbiology with Lab (GT-SC1) 4

CHE 101 Introduction to Chemistry I with Lab (GT-SC1) 5

CHE 111 General College Chemistry I with Lab (GT-SC1) 5

CHE 112 General College Chemistry II with Lab (GT-SC1) 5

GEO 111 Physical Geography-Landforms with Lab (GT-SC1) 4

GEO 112 Physical Geography-Weather and Climate with Lab (GT-SC1) 4

GEY 111 Physical Geology, with Lab (GT-SC1) 4

GEY 112 Historical Geology, with Lab (GT-SC1) 4

GEY 135 Environmental Geology, with Lab (GT-SC1) 4

PHY 111 Physics: Algebra Based I with Lab (GT-SC1) 5

PHY 112 Physics: Algebra Based II with Lab (GT-SC1) 5

PHY 211 Physics: Calculus Based I with Lab (GT-SC1) 5

PHY 212 Physics: Calculus Based II with Lab (GT-SC1) 5

SCI 155 Integrated Science I - Physics and Chemistry (GT-SC1) 4

SCI 156 Integrated Science II - Earth and Life Science (GT-SC1) 4

One of these courses must have the required laboratory (GT-SC1).

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

#### Category II (GT-SC2)

BIO 116 Introduction to Human Disease (GT-SC2) 3

**Additional Required Spanish Courses: 13 credits**

SPA 111	Spanish Language I	5
SPA 112	Spanish Language II	5
COM 115	Public Speaking OR	3
COM 125	Interpersonal Communication	3

Please Note: SPA 111 and/or SPA 112 may be waived, based on a student's proficiency level. Students should consult a departmental advisor at the four-year college or university.

COM 115: Recommended.

**Electives: 13 credits**

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS core degree can also be taken as an elective.

Suggested courses: 200-level Spanish courses; courses outside the Spanish department with content related to the Spanish-speaking world.

**Studio Art 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 Fine Art or Arts. Students explore studio techniques and historical aspects of art. Careers often require a master's degree. Studio Art teaches students both how to make art and understand how it is made. Students will study drawing, painting, ceramics, and photography in detail. This program introduces students to the study of Studio Art and includes courses that are common to all Colorado four-year institutions. Career paths for Studio Art degree holders include museum and gallery management, building design, media, art restoration, and education. The Associate of Arts (AA) Degree with Designation in Studio Art prepares students to complete the second half of a Bachelor of Arts (BA) or Bachelor of Fine Arts (BFA) in Art or Art History at a four-year university.

**Degree Requirements: 60 credits**

**General Education Requirements: 31 credits****English and Communication**

(6 credits – GT-CO1, GT-CO2)

English – take 2 gtPathways courses; Communication – select 1 course

ENG 121	English Composition I (GT-CO1) AND	3
ENG 122	English Composition II (GT-CO2) OR	3
ENG 122	English Composition II (GT-CO2) AND One gtPathways approved CO3 Course	3

**Mathematics**

(3 credits – MA1)

Select one gtPathways course:

MAT 120 is recommended

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5
MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

**Arts and Humanities**

(6 credits- GT-AH2, GT-AH3, GT-AH4)

Select 2 gtPathways courses:

**Category II (GT-AH2)**

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

**Category III (GT-AH3)**

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

**Category IV (GT-AH4)**

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
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HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

## Natural and Physical Sciences

(7 Credits – GT-SC1, GT-SC2)

Choose two courses. One must have required laboratory (GT-SC1):

### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

### Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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## Additional Required Courses: 21 credits

ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 121	Drawing I	3
ART 131	Visual Concepts 2-D Design	3
ART 132	Visual Concepts 3-D Design	3
ART 221	Drawing II	3
	OR	
ART 128	Figure Drawing I	3
	Any STUDIO ART course	3

Please note: If these credits are not required for the major at a receiving 4-year institution, they will be applied at 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: 8 credits**

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS core degree can also be taken as an elective.

**Theatre 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 Theater. Students explore both performance and technical aspects of theater. Careers typically require a bachelor's degree. Students interested in continuing their study in Theatre have developed the confidence they needed to move to excellence in the professions they have chosen. An education in theatre provides students with a valuable base from which to launch a careers outside of television, stage and screen, to include advertising, marketing, management, politics, law, social work, and so much more.

**Degree Requirements: 60 credits**

**General Education Requirements: 31 credits****English and Communication**

(6 credits – GT-CO<sub>1</sub>, GT-CO<sub>2</sub>)

English – take 2 gtPathways courses; Communication – select 1 course

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
	One gtPathways approved CO <sub>3</sub> Course	3

**Mathematics**

(3 credits – MA<sub>1</sub>)

Select one gtPathways course:

MAT 120 is recommended

MAT 120	Mathematics for Liberal Arts: GT-MA <sub>1</sub>	4
MAT 121	College Algebra: GT-MA <sub>1</sub>	4
MAT 122	College Trigonometry: GT-MA <sub>1</sub>	3
MAT 123	Finite Mathematics: GT-MA <sub>1</sub>	4
MAT 125	Survey of Calculus: GT-MA <sub>1</sub>	4
MAT 135	Introduction to Statistics: (GT-MA <sub>1</sub> )	3
MAT 166	Pre-Calculus: (GT-MA <sub>1</sub> )	5
MAT 201	Calculus I: GT-MA <sub>1</sub>	5
MAT 202	Calculus II: GT-MA <sub>1</sub>	5
MAT 203	Calculus III: GT-MA <sub>1</sub>	4
MAT 261	Differential Equations with Engineering Applications: GT-MA <sub>1</sub>	4
MAT 265	Differential Equations: GT-MA <sub>1</sub>	3

**Arts and Humanities**

6 credits

THE 105	Theatre Appreciation (GT-AH <sub>1</sub> )	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH <sub>1</sub> )	3

Please note: Students planning to attend UC Boulder in Theatre should consult UCB Theatre advisors regarding THE 105 - Theatre Appreciation.

**History**

(3 credits – GT-HI<sub>1</sub>)

Select one gtPathways course:

**Category I (GT-HI<sub>1</sub>)**

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI <sub>1</sub> )	3
HIS 111	The World: Antiquity - 1500 (GT-HI <sub>1</sub> )	3
HIS 112	The World: 1500 - Present (GT-HI <sub>1</sub> )	3
HIS 121	US History to Reconstruction (GT-HI <sub>1</sub> )	3
HIS 122	US History Since Civil War (GT-HI <sub>1</sub> )	3
HIS 205	Women in World History (GT-HI <sub>1</sub> )	3
HIS 208	American Indian History (GT-HI <sub>1</sub> )	3
HIS 215	Women in U.S. History (GT-HI <sub>1</sub> )	3
HIS 225	Colorado History (GT-HI <sub>1</sub> )	3
HIS 244	History of Latin America (GT-HI <sub>1</sub> )	3
HIS 247	20th Century World History (GT-HI <sub>1</sub> )	3
HIS 250	African American History (GT-HI <sub>1</sub> )	3

**Social and Behavioral Sciences**

(6 credits – GT-SS<sub>1</sub>, GT-SS<sub>2</sub>, GT-SS<sub>3</sub>)

Select 2 gtPathways courses:

**Category I (GT-SS<sub>1</sub>)**

ECO 201	Principles of Macroeconomics (GT-SS <sub>1</sub> )	3
ECO 202	Principles of Microeconomics (GT-SS <sub>1</sub> )	3
POS 105	Introduction to Political Science (GT-SS <sub>1</sub> )	3
POS 111	American Government (GT-SS <sub>1</sub> )	3
POS 125	American State and Local Government (GT-SS <sub>1</sub> )	3
POS 205	International Relations (GT-SS <sub>1</sub> )	3
POS 225	Comparative Government (GT-SS <sub>1</sub> )	3

**Category II (GT-SS<sub>2</sub>)**

GEO 105	World Regional Geography (GT-SS <sub>2</sub> )	3
GEO 106	Human Geography (GT-SS <sub>2</sub> )	3

**Category III (GT-SS<sub>3</sub>)**

ANT 101	Cultural Anthropology (GT-SS <sub>3</sub> )	3
ANT 107	Introduction to Archaeology (GT-SS <sub>3</sub> )	3
ANT 201	Introduction to Forensic Anthropology (GT-SS <sub>3</sub> )	3
ANT 215	Indians of North America (GT-SS <sub>3</sub> )	3
ANT 250	Medical Anthropology (GT-SS <sub>3</sub> )	3
COM 220	Intercultural Communication (GT-SS <sub>3</sub> )	3
CRJ 110	Introduction to Criminal Justice (GT-SS <sub>3</sub> )	3
ETH 200	Introduction to Ethnic Studies (GT-SS <sub>3</sub> )	3
PSY 101	General Psychology I (GT-SS <sub>3</sub> )	3
PSY 102	General Psychology II (GT-SS <sub>3</sub> )	3
PSY 205	Psychology of Gender (GT-SS <sub>3</sub> )	3
PSY 217	Human Sexuality (GT-SS <sub>3</sub> )	3
PSY 226	Social Psychology (GT-SS <sub>3</sub> )	3
PSY 235	Human Growth and Development (GT-SS <sub>3</sub> )	3

PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

THE 215	Playwriting (GT-AH1)	3
THE 131	Theatre Production I OR	3
THE 132	Theatre Production II OR	3
THE 231	Theatre Production III OR	3
THE 232	Theatre Production IV	3

## Natural and Physical Sciences

(7 Credits – GT-SC1, GT-SC2)

Two gtPathways courses - one of which must be a GT-SC1 (course with lab).

### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

### Category II (GT-SC2)

BIO 116	Introduction to Human Disease (GT-SC2)	3
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## Additional Required Courses: 18 credits

THE 108	Theater Script Analysis (GT-AH1)	3
THE 111	Acting I	3
THE 116	Technical Theatre	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	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.

Any non-gtPathways courses listed in the Electives area of the AA/AS core degree can also be taken as an elective.

Please Note:

- Students interested in attending MSU Denver or CSU-Fort Collins are advised to take COM 115-Public Speaking.
- Students who plan to transfer to UC Boulder or UCCS may not take elective courses with a THE prefix.
- Students who plan to transfer to CSU-Fort Collins are advised to take THE 112, MUS 120 and ART 110 as CCCS elective credits.



# ASSOCIATE OF SCIENCE DEGREES (A.S.)

## 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-CO<sub>1</sub>, GT-CO<sub>2</sub>)

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
ENG 201	Composition III: Writing for Public Discourse (GT-CO <sub>3</sub> )	3
	AND	
COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3
	OR	
COM 220	Intercultural Communication (GT-SS <sub>3</sub> )	3

### Mathematics

(3 credits – GT-MA<sub>1</sub>)

Credits over 3 will count as electives. Select from the following or any MAT course higher than MAT 201.

MAT 121	College Algebra: GT-MA <sub>1</sub>	4
MAT 122	College Trigonometry: GT-MA <sub>1</sub>	3
MAT 166	Pre-Calculus: (GT-MA <sub>1</sub> )	5
MAT 201	Calculus I: GT-MA <sub>1</sub>	5
MAT 202	Calculus II: GT-MA <sub>1</sub>	5

MAT 203	Calculus III: GT-MA <sub>1</sub>	4
MAT 204	Calculus III with Engineering Applications: GT-MA <sub>1</sub>	5
MAT 261	Differential Equations with Engineering Applications: GT-MA <sub>1</sub>	4
MAT 265	Differential Equations: GT-MA <sub>1</sub>	3

## Arts and Humanities

(6 credits – GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, AH<sub>4</sub>)

Select two guaranteed transfer Arts & Humanities courses from two different areas:

Note: For Arts and Humanities and Social and Behavioral Sciences, select two guaranteed transfer Arts and Humanities courses from two different areas (GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>), and two guaranteed transfer Social and Behavioral Sciences courses from two different areas (GT-SS<sub>1</sub>, GT-SS<sub>2</sub>, GT-SS<sub>3</sub>), and one additional guaranteed transfer course from either Arts and Humanities or Social and Behavioral Sciences (GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>, GT-HI<sub>1</sub>, GT-SS<sub>1</sub>, GT-SS<sub>2</sub>, GT-SS<sub>3</sub>) and one additional guaranteed transfer History course (GT-HI<sub>1</sub>). Total of 18 credit hours for both Arts and Humanities and Social and Behavioral Sciences combined.

### Category-I-(GT-AH1)

ART 110	Art Appreciation (GT-AH <sub>1</sub> )	3
ART 111	Art History - Ancient to Medieval (GT-AH <sub>1</sub> )	3
ART 112	Art History – Renaissance to Modern (GT-AH <sub>1</sub> )	3
ART 207	Art History - 1900 to Present (GT-AH <sub>1</sub> )	3
ENG 221	Creative Writing I (GT-AH <sub>1</sub> )	3
MUS 120	Music Appreciation (GT-AH <sub>1</sub> )	3
MUS 121	Music History: Medieval through Classical Period (GT-AH <sub>1</sub> )	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH <sub>1</sub> )	3
MUS 123	Survey of World Music (GT-AH <sub>1</sub> )	3
MUS 125	History of Jazz (GT-AH <sub>1</sub> )	3
THE 105	Theatre Appreciation (GT-AH <sub>1</sub> )	3
THE 108	Theater Script Analysis (GT-AH <sub>1</sub> )	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH <sub>1</sub> )	3
THE 212	Development of Theatre Restoration to Modern (GT-AH <sub>1</sub> )	3
THE 215	Playwriting (GT-AH <sub>1</sub> )	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH <sub>2</sub> )	3
HUM 121	Humanities: Early Civilizations (GT-AH <sub>2</sub> )	3
HUM 122	Humanities: Medieval-Modern (GT-AH <sub>2</sub> )	3
HUM 123	The Modern World (GT-AH <sub>2</sub> )	3
LIT 115	Introduction to Literature (GT-AH <sub>2</sub> )	3
LIT 201	World Literature to 1600 (GT-AH <sub>2</sub> )	3
LIT 202	World Literature after 1600 (GT-AH <sub>2</sub> )	3
LIT 205	Ethnic Literature (GT-AH <sub>2</sub> )	3
LIT 211	American Literature to Civil War (GT-AH <sub>2</sub> )	3
LIT 212	American Literature after Civil War (GT-AH <sub>2</sub> )	3
LIT 221	British Literature to 1770 (GT-AH <sub>2</sub> )	3

LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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 1 guaranteed transfer History course:

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 2 guaranteed transfer Social and Behavioral Science courses from two different areas (GT-SS1, GT-SS2, GT-SS3)

OR

One guaranteed transfer Social and Behavioral Science course (GT-SS1, GT-SS2, GT-SS3) AND One guaranteed transfer History course (GT-HI1)

### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(12 credits – GT-SC1)

One 2-lab course sequence in any guaranteed transfer science discipline (GT-SC1) and additional guaranteed transfer lab science course(s) (GT-SC1).

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5

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SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

## Electives: 21 credits

Electives may be chosen from any gtPathway course or from the following list of non-gtPathway courses.

Select from the following:

## Academic Achievement Strategies

AAA

## Accounting

ACC 121	Accounting Principles I	4
ACC 122	Accounting Principles II	4

## Art

ART 121	Drawing I	3
ART 128	Figure Drawing I	3
ART 131	Visual Concepts 2-D Design	3
ART 132	Visual Concepts 3-D Design	3
ART 134	Visual Concepts 4-D Design	3
ART 139	Digital Photography I	3
ART 151	Painting I	3
ART 161	Ceramics I	3
ART 221	Drawing II	3

## Biology

BIO 106	Basic Anatomy and Physiology	4
BIO 216	Human Pathophysiology	4

## Business

BUS 115	Introduction to Business	3
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
BUS 226	Business Statistics	3

## Chemistry

CHE 211	Organic Chemistry I with Lab	5
CHE 212	Organic Chemistry II with Lab	5

## Communication

COM 115	Public Speaking	3
COM 125	Interpersonal Communication	3
COM 220	Intercultural Communication (GT-SS3)	3

## Computer Information Systems

CIS 115	Introduction to Computer Information Systems	3
CIS 118	Introduction to PC Applications	3
CIS 267	Management of Information Systems	3

## Computer Networking

CNG 101	Network Fundamentals	3
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## Computer Science

CSC 119	Introduction to Programming	3
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## American Sign Language

ASL 121	American Sign Language I	5
ASL 122	American Sign Language II	5
ASL 123	American Sign Language III	5
ASL 221	American Sign Language IV	3

## Engineering

Any 100 level course or above

## English

ENG 222	Creative Writing II	3
ENG 231	Literary Magazine	3

## Health Wellness

HWE 100	Human Nutrition	3
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## Management

MAN 156	Problem Solving-Business Environment	3
MAN 200	Human Resources Management I	3
MAN 201	Human Resources Management II	3
MAN 225	Managerial Finance	3
MAN 226	Principles of Management	3

## Marketing

MAR 216	Principles of Marketing	3
MAR 240	International Marketing	3

## Mathematics

MAT 136	Computer Applications for Statistics	1
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## Multimedia Graphic Design

MGD 102	Introduction to Multimedia	3
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## Music

MUS 106	Intro to Songwriting	3
MUS 107	Entrep/Artistry for Musicians	3
MUS 110	Music Theory I	3

## Nursing

NUR 213	Professional Pathway to Nursing	3
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## Physical Education

Any course 100 or above

## Physics

PHY 213	Physics: Calculus Based III Modern Physics	3
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## Spanish

SPA 111	Spanish Language I	5
SPA 112	Spanish Language II	5
SPA 235	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: 36 credits**

## English and Communication

(6 credits – GT-CO<sub>1</sub>, GT-CO<sub>2</sub>)

English – take both courses; Communication – select 1 gtPathways course

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
	One gtPathways approved CO <sub>3</sub> Course	3

## Mathematics

(5 credits – MA<sub>1</sub>)

MAT 201	Calculus I: GT-MA <sub>1</sub>	5
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## Arts and Humanities

(6 Credits-GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, or GT-AH<sub>4</sub>)

Select 2 gtPathways courses:

### Category I (GT-AH<sub>1</sub>)

ART 110	Art Appreciation (GT-AH <sub>1</sub> )	3
ART 111	Art History - Ancient to Medieval (GT-AH <sub>1</sub> )	3
ART 112	Art History – Renaissance to Modern (GT-AH <sub>1</sub> )	3
ART 207	Art History - 1900 to Present (GT-AH <sub>1</sub> )	3
ENG 221	Creative Writing I (GT-AH <sub>1</sub> )	3
MUS 120	Music Appreciation (GT-AH <sub>1</sub> )	3
MUS 121	Music History: Medieval through Classical Period (GT-AH <sub>1</sub> )	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH <sub>1</sub> )	3
MUS 123	Survey of World Music (GT-AH <sub>1</sub> )	3
MUS 125	History of Jazz (GT-AH <sub>1</sub> )	3
THE 105	Theatre Appreciation (GT-AH <sub>1</sub> )	3
THE 108	Theater Script Analysis (GT-AH <sub>1</sub> )	3
THE 211	Development of Theatre Greek-Reniassance (GT-AH <sub>1</sub> )	3
THE 212	Development of Theatre Restoration to Modern (GT-AH <sub>1</sub> )	3
THE 215	Playwriting (GT-AH <sub>1</sub> )	3

### Category II (GT-AH<sub>2</sub>)

HUM 115	World Mythology (GT-AH <sub>2</sub> )	3
HUM 121	Humanities: Early Civilizations (GT-AH <sub>2</sub> )	3
HUM 122	Humanities: Medieval-Modern (GT-AH <sub>2</sub> )	3
HUM 123	The Modern World (GT-AH <sub>2</sub> )	3
LIT 115	Introduction to Literature (GT-AH <sub>2</sub> )	3
LIT 201	World Literature to 1600 (GT-AH <sub>2</sub> )	3
LIT 202	World Literature after 1600 (GT-AH <sub>2</sub> )	3
LIT 205	Ethnic Literature (GT-AH <sub>2</sub> )	3
LIT 211	American Literature to Civil War (GT-AH <sub>2</sub> )	3
LIT 212	American Literature after Civil War (GT-AH <sub>2</sub> )	3
LIT 221	British Literature to 1770 (GT-AH <sub>2</sub> )	3
LIT 222	British Literature since 1770 (GT-AH <sub>2</sub> )	3
LIT 225	Introduction to Shakespeare (GT-AH <sub>2</sub> )	3
LIT 246	Literature of Women (GT-AH <sub>2</sub> )	3
LIT 259	Survey of African American Literature (GT-AH <sub>2</sub> )	3

### Category III (GT-AH<sub>3</sub>)

PHI 111	Introduction to Philosophy (GT-AH <sub>3</sub> )	3
PHI 112	Ethics (GT-AH <sub>3</sub> )	3
PHI 113	Logic (GT-AH <sub>3</sub> )	3
PHI 214	Philosophy of Religion (GT-AH <sub>3</sub> )	3
PHI 218	Environmental Ethics (GT-AH <sub>3</sub> )	3
PHI 220	Philosophy of Death and Dying (GT-AH <sub>3</sub> )	3

### Category IV (GT-AH<sub>4</sub>)

SPA 211	Spanish Language III (GT-AH <sub>4</sub> )	3
SPA 212	Spanish Language IV (GT-AH <sub>4</sub> )	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer institution.

## History

(3 credits – GT-HI<sub>1</sub>)

Select one gtPathways History course:

### Category I (GT-HI<sub>1</sub>)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI <sub>1</sub> )	3
HIS 111	The World: Antiquity - 1500 (GT-HI <sub>1</sub> )	3
HIS 112	The World: 1500 - Present (GT-HI <sub>1</sub> )	3
HIS 121	US History to Reconstruction (GT-HI <sub>1</sub> )	3
HIS 122	US History Since Civil War (GT-HI <sub>1</sub> )	3
HIS 205	Women in World History (GT-HI <sub>1</sub> )	3
HIS 208	American Indian History (GT-HI <sub>1</sub> )	3
HIS 215	Women in U.S. History (GT-HI <sub>1</sub> )	3
HIS 225	Colorado History (GT-HI <sub>1</sub> )	3
HIS 244	History of Latin America (GT-HI <sub>1</sub> )	3
HIS 247	20th Century World History (GT-HI <sub>1</sub> )	3
HIS 250	African American History (GT-HI <sub>1</sub> )	3

## Social and Behavioral Sciences

(6 credits – GT-SS<sub>1</sub>, GT-SS<sub>2</sub>, GT-SS<sub>3</sub>)

Select two gtPathways courses:

### Category I (GT-SS<sub>1</sub>)

ECO 201	Principles of Macroeconomics (GT-SS <sub>1</sub> )	3
ECO 202	Principles of Microeconomics (GT-SS <sub>1</sub> )	3

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POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(10 credits)

#### Category I (GT-SC1)

BIO 111	General College Biology I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

#### 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 112	General College Biology II with Lab (GT-SC1)	5
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CHE 112	General College Chemistry II with Lab (GT-SC1)	5
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra 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 towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

#### Electives: 4 credits

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS core degree can also be taken as an elective.

### 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: 60 credits**

**General Education Requirements: 30 credits**

**\*Please see notes (1-4) below.**

#### English and Communication

(6 credits – GT-CO1, GT-CO2)

English – take both courses; Communication – select 1 gtPathways course

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3

OR

ENG 122	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

#### Mathematics

(5 credits – MA1)

MAT 201	Calculus I: GT-MA1	5
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#### Arts and Humanities\*

(3 Credits-GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select 1 course gtPathway course:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3

ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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-AH1)

Select 1 History gtPathways course:

### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3

HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	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 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

**Natural and Physical Sciences**

(10 credits)

**Category I (GT-SC1)**

CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

**Additional Required Courses: 29 credits**

MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
CHE 211	Organic Chemistry I with Lab	5
CHE 212	Organic Chemistry II with Lab	5

CHE 211, CHE 212: Lecture and laboratory portions of organic chemistry, must not be taken in an online delivery format.

**Electives: 1 credit**

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS core degree can also be taken as an elective.

Note 1:

This statewide transfer articulation agreement in Chemistry does not fulfill requirements for the gtPathways general education curriculum or the Associate of Science degree prior to transfer; however, this agreement does guarantee a student, if admitted, junior standing and completion of the baccalaureate degree within an additional 60 semester hours at the receiving institution.

Note 2:

Completion of the receiving institution's lower division general education requirements is fulfilled only under the condition that one gtPathways-approved course in arts and humanities (AH1, AH2, AH3, or AH4) and one gtPathways-approved course in social and behavioral sciences (SS1, SS2, or SS3) are successfully completed at the receiving institution within the first 30 hours or 12 calendar months.

Note 3:

Students transferring to a 4-yr college/university under this Chemistry agreement are encouraged to 'reverse' transfer the one gtPathways course in arts and humanities and the one gtPathways course in social and behavioral sciences (Note #2 above) back to their community college in order to complete the gtPathways general education program and to earn their Associate of Science degree with a Chemistry designation.

Note 4:

Lecture and laboratory portions of organic chemistry, CHE 211 and CHE 212, must not be taken in an online delivery format.

**Geology Transfer Major, A.S.**

Program is designed for students transferring to a 4-year school to complete their BS degree in Geology or Earth Science. It allows students to complete the first 2 years of the BS degree at the community college. Students explore physics and geography. Careers often require a BS or higher. Geology is the study of the Earth, its rocks, and the ways that they change over time. Geology students explore the movement of the Earth's crust, the history of life on Earth, and past climates. It is important for mineral and fossil fuel exploration, managing water resources, and solving environmental problems. This program introduces students to Geology and it includes courses that are

common to all four-year institutions in Colorado. Career paths for Geology degree holders include resource management, mining, oil and gas exploration, and climate research. The Associate of Science (AS) degree in Geology prepares students to complete the second half of a Bachelor of Science (B.S.) in Biology at a four-year university.

**Degree Requirements: 60 credits**

**General Education Requirements: 36 credits****English and Communication**

(6 credits – GT-CO1, GT-CO2)

English – take 2 gtPathways courses; Communication – select 1 course

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

**Mathematics**

(5 credits – MA1)

MAT 201	Calculus I: GT-MA1	5
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**Arts and Humanities**

(6 credits- GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 2 gtPathways courses:

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

**Category II (GT-AH2)**

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3

LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 courses:

#### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(10 Credits – GT-SC1)

CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5

### Additional Geology Required Courses: 23 credits

GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
MAT 202	Calculus II: GT-MA1	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5

### Electives: 1 credit

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS core degree can also be taken as an elective

PLEASE NOTE: In addition to meeting the requirements listed here, contact the department at the school to which you want to transfer for program-specific information.



## 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: 39 credits**

### English and Communication

(6 credits – GT-CO<sub>1</sub>, GT-CO<sub>2</sub>, CO<sub>3</sub>)

English – take both courses; Communication – select 1 gtPathways course

ENG 121	English Composition I (GT-CO <sub>1</sub> )	3
	AND	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	OR	
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3
	AND	
	One gtPathways approved CO <sub>3</sub> Course	3

### Mathematics

(5 credits – MA<sub>1</sub>)

MAT 201	Calculus I: GT-MA <sub>1</sub>	5
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### Arts and Humanities

(9 credits-GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>3</sub>, GT-AH<sub>4</sub>)

Select three courses:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3

THE 215	Playwriting (GT-AH1)	3
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#### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

#### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

#### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	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-HI<sub>1</sub>)

Select one gtPathways History course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS<sub>1</sub>, GT-SS<sub>2</sub>, GT-SS<sub>3</sub>)

Select 2 gtPathways courses:

**Category I (GT-SS1)**

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

**Category II (GT-SS2)**

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

**Category III (GT-SS3)**

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 111	Biological Anthropology w/Lab (GT-SS3)	4
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

**Natural and Physical Sciences****(10 Credits – GT-SC1)**

PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5

**Additional Required Courses: 16-17 credits**

COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3
MAT 202	Calculus II: GT-MA1	5

MAT 203	Calculus III: GT-MA1	4
	OR	
MAT 204	Calculus III with Engineering Applications: GT-MA1	5
CSC 160	Computer Science I: C++	4

CSC 160: CSU-Ft Collins requires a different computer science course than the community college course. Students should seek advising at CSU-Ft Collins for information on the appropriate computer science course to take .

**Electives: 4-5 credits**

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS core degree can also be taken as an elective.

**Physics Transfer Major, A.S.****Degree Requirements: 60 credits**

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 at PPCC provides the necessary background for transfer to a four-year school.

**General Education Requirements: 36 credits****English and Communication****(6 credits – GT-CO1, GT-CO2)**

English – take both courses; Communication – select 1 course

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

**Mathematics****(5 credits – MA1)**

MAT 201	Calculus I: GT-MA1	5
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**Arts and Humanities****(9 Credits- GT-AH1, GT-AH3, or GT-AH4)**

Select 3 courses:

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3

ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

### History

(3 credits – GT-HI1)

Select 1 History course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3

HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(3 credits – GT-SS1, GT-SS2, GT-SS3)

Select 1 course:

#### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

#### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

#### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(10 credits)

**Category I (GT-SC1)**

PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

**Additional Required Courses: 24 credits**

PHY 213	Physics: Calculus Based III Modern Physics	3
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
	OR	
MAT 204	Calculus III with Engineering Applications: GT-MA1	5
	OR	
MAT 265	Differential Equations: GT-MA1	3
	OR	
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
	OR	
MAT 266	Differential Equations with Linear Algebra	4
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CSC 160	Computer Science I: C++	4
	OR	
CHE 112	General College Chemistry II with Lab (GT-SC1)	5

MAT 204, MAT 261, MAT 266: 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.

CHE 112: Students planning to transfer to University of Colorado Boulder must take CHE 112 (not CSC 160) to fulfill this requirement.

CSC 160: Students planning to transfer to University of Northern Colorado must take CSC 160 (not CHE 112) to fulfill this requirement.

CSC 160, CHE 112: Students planning to transfer to Fort Lewis College or University of Colorado Colorado Springs must take both.

CSC 160, CHE 112: 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.

**Psychology Transfer Major, A.S.**

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 Science (AS) degree in

Psychology prepares students to complete the second half of a Bachelor of Science (BS) in Psychology at a four-year university. Bachelor of Science degrees in Psychology have added skills in math, sciences, and research. Career paths for Psychology BS degree holders include working with medical doctors, psychologists, brain researchers, and biologists.

**Degree Requirements: 60 credits**

**General Education Requirements: 38 credits**

**English and Communication**

(6 credits – GT-CO1, GT-CO2, GT-CO3)

English – take both courses; Communication – select 1 course

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	OR	
ENG 122	English Composition II (GT-CO2)	3
	AND	
	One gtPathways approved CO3 Course	3

**Mathematics**

(4 credits – GT-MA1)

MAT 121	College Algebra: GT-MA1	4
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**Arts and Humanities**

(9 credits - GT-AH1, GT-AH2, GT-AH3, GT-AH4)

PHI 111	Introduction to Philosophy (GT-AH3)	3
	OR	
PHI 112	Ethics (GT-AH3)	3
	AND	

**Select six additional credits from at least two different categories of gtPathways Arts & Humanities courses:**

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3

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THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 212	Spanish Language IV (GT-AH4)	3
SPA 211	Spanish Language III (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 History course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

### Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 courses:

### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(10 Credits – GT-SC1)

BIO 111	General College Biology I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5

Students planning to transfer to University of Colorado Denver should complete both two-semester sequences of BIO 111 and BIO 112 and CHE 111 and CHE 112 at CCA.

### Additional Psychology Required Courses: 9 credits

PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
COM 115	Public Speaking	3
	OR	

## **Electives: 13 credits**

Electives may be chosen from any gtPathways course.

Any non-gtPathways courses listed in the AA/AS core degree can also be taken as an elective.

**NOTE:** Electives are restricted to non-Psychology courses for students planning to transfer to University of Colorado Denver.

# ASSOCIATE OF GENERAL STUDIES DEGREE (A.G.S.)

## 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 121 English Composition I (GT-CO1) 3

### Mathematics

(3 credits – GT-MA1)

(Credits over 3 will be applied to electives)

MAT 120 Mathematics for Liberal Arts: GT-MA1 4

MAT 120 or higher level Math.

### Natural and Physical Sciences

(3 credits – GT-SC1)

(Credits over 3 will be applied to electives)

#### Category I (GT-SC1)

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4

SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4
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### Social and Behavioral Sciences

(3 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 1 course:

#### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

#### Category II (GT-SS1)

ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

#### Category III (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

#### Category IV (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3

SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

Many 4-year institutions require foreign language for admission. Check with your college of transfer intent.

## Arts and Humanities

(3 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 1 course:

### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3

## 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 100 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 100 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.

ENG 121 or higher; MAT 107 or higher



# ASSOCIATE OF APPLIED SCIENCE DEGREE (A.A.S.)

## 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 Pathways Advisor for more information.

**Degree Requirements: 60 credits**

### General Education Requirements: 15 credits

#### English and Communication

(6 credits)

ENG 121 English Composition I (GT-CO1) 3

OR

ENG 131 Technical Writing I (GT-CO1) 3

AND

COM 115 Public Speaking 3

ENG 131: or higher

#### Mathematics

(3 credits)

MAT 107 Career Mathematics 3

MAT 107: or higher

#### Social and Behavioral Sciences

(3 credits)

Select 1 course from:

ANT 3

ECO 3

ETH 3

GEO 3

HIS 3

POS 3

SOC 3

WST 3

#### Natural and Physical Sciences

(3 credits)

Select 1 course from:

AST 3

BIO 3

CHE 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**

## 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 121 English Composition I (GT-CO1) 3

ENG 122 English Composition II (GT-CO2) 3

COM 115 Public Speaking 3

OR

COM 125 Interpersonal Communication 3

#### Mathematics

(4 credits)

MAT 120 Mathematics for Liberal Arts: GT-MA1 4

OR

MAT 121 College Algebra: GT-MA1 4

#### Social Sciences

(3 credits)

ECO 201 Principles of Macroeconomics (GT-SS1) 3

### Required Core Courses: 11 credits

CIS 115 Introduction to Computer Information Systems 3

CIS 128 Intro to Operating Systems 3

CIS 202 Automated Project Management: MS Project 3

CIS 203 Technology for Career Success 2

### Required Courses for AAS in Computer Information Systems: 27 credits

BUS 115 Introduction to Business 3

BUS 217 Business Communication and Report Writing 3

CIS 118 Introduction to PC Applications 3

CIS 145	Complete PC Database (Access)	3
CIS 243	Introduction to SQL	3
CIS 267	Management of Information Systems	3
CIS 268	Systems Analysis and Design I	3
CNG 101	Network Fundamentals	3
CSC 119	Introduction to Programming	3

### Electives: 6 credits

BUS 216	Legal Environment of Business	3
BUS 226	Business Statistics	3
ECO 202	Principles of Microeconomics (GT-SS1)	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. Depending on the student's background and related work experience, this degree will require the student to be able to qualify for admission to the CCA CO P.O.S.T.-approved Basic Law Enforcement Training Academy, and meet CO P.O.S.T. and statutory law enforcement-specific background, legal, and fitness qualifications, to complete some of the specific degree core requirements. 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 academy and program Director/Chair before enrolling in the degree if they are not sure they meet the law enforcement training academy qualifications.

**Degree Requirements: 60 credits**

### General Education Requirements: 15 credits

#### English and Communication

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
COM 115	Public Speaking	3

#### Social and Behavioral Sciences

(6 credits)

ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
	OR	
PSY 101	General Psychology I (GT-SS3)	3

#### Arts and Humanities

(3 credits)

PHI 112	Ethics (GT-AH3)	3
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### Criminal Justice Requirements: 45 credits

Students must complete the following courses:

CRJ 110	Introduction to Criminal Justice (GT:SS3)	3
CRJ 127	Crime Scene Investigation	3
LEA 101	Basic Police Academy I	6
LEA 102	Basic Police Academy II	12
LEA 105	Basic Law	8

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LEA 106	Arrest Control Techniques	3
LEA 107	Law Enforcement Driving	3
LEA 108	Firearms	3
EMS 115	Emergency Medical Responder	3
PED 112	Fitness Center Activity III	1

## Cyber Security, 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 Linux 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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

BUS 217	Business Communication and Report Writing	3
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#### Mathematics

(4 credits)

MAT 121	College Algebra: GT-MA1	4
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#### Business

(3 credits)

BUS 115	Introduction to Business	3
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### Required Courses for Cyber Security: 38 credits

CIS 118	Introduction to PC Applications	3
CIS 128	Intro to Operating Systems	3
CIS 203	Technology for Career Success	2
CIS 223	Linux	3
CIS 268	Systems Analysis and Design I	3
CNG 101	Network Fundamentals	3
CNG 124	Networking: Network +	3
CNG 131	Principles of Information Assurance	3
CNG 132	Network Security Fundamentals	3
CNG 142	Intro to Cloud Computing	3
CNG 211	Windows Configuration	3
CNG 256	Vulnerability Assessment I	3
CNG 257	Network Defense and Counter Measures	3

### Electives: 6 credits

CIS 202	Automated Project Management: MS Project	3
CIS 267	Management of Information Systems	3

CIS 280	Internship	3
CSC 119	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 131	Technical Writing I (GT-CO1)	3
BUS 217	Business Communication and Report Writing	3
MAT 107	Career Mathematics	3
COM 125	Interpersonal Communication	3
CIS 118	Introduction to PC Applications	3
Subtotal: 15		

### Degree Requirements: 45 credits

DPM 100	Introduction to Diesel Mechanics	2
DPM 101	Diesel Shop Orientation	2
DPM 103	Diesel Engines I	4
DPM 105	Heavy Duty Powertrains I	3
DPM 106	Diesel Fuel Systems	3
DPM 111	Cab & Electrical PMI	1.5
DPM 121	Hydraulic Systems I	3
DPM 122	Hydraulic Systems II	3
DPM 140	Heavy Duty Steering & Suspension I	3
DPM 170	Lab Experience I	0.5
DPM 203	Diesel Engines II	4
DPM 205	Heavy Duty Powertrains II	3
DPM 207	Heavy Duty Brakes II	3

DPM 210	Diesel Air Induction & Exhaust	2
ASE 120	Basic Vehicle Electricity	2
ASE 123	Battery, Starting, Charging Systems	2
ASE 221	Auto/Diesel Body Electrical	4

Subtotal: 45

## Early Childhood Education, A.A.S.

The Early Childhood Education program is designed to meet the vocational needs of people seeking employment or who are already employed in the early childhood field. Colorado Department of Human Services, Division of Child Care, licensing requirements can be met upon completion of selected courses. The program emphasis is on children ages 8 and under.

\*Please note if ECE 112 and ECE 256 are selected as the electives for this degree, the student will have the requirements for an Infant/Toddler Supervisor Certificate pending verifiable work experience hours.

**Degree Requirements: 61 credits**

### General Education Requirements: 25 credits

#### English

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
COM 125	Interpersonal Communication	3

#### Mathematics

(3 credits)

Select one course:

MAT 155	Integrated Math I	3
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Credits: See an advisor for transfer requirements.

#### Social and Behavioral Sciences

(3 credits)

Select 1 of the following:

GEO 105	World Regional Geography (GT-SS2)	3
PSY 101	General Psychology I (GT-SS3)	3

#### Arts and Humanities

(3 Credits-GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select one course from any Art or Humanities GT course: (ART 110, MUS 120, THE 105, or LIT 255 are the recommended courses)

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3

THE 215	Playwriting (GT-AH1)	3
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ECE 238	ECE Child Growth & Development	3
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ECE 240	Administration of Early Childhood Care and Education Programs	3
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ECE 241	Administration: Human Relations for Early Childhood Education	3
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ECE 260	The Exceptional Child	3
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ECE 288	Practicum: Early Childhood Education	3
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## Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
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HUM 121	Humanities: Early Civilizations (GT-AH2)	3
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HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
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HUM 123	The Modern World (GT-AH2)	3
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LIT 115	Introduction to Literature (GT-AH2)	3
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LIT 201	World Literature to 1600 (GT-AH2)	3
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LIT 202	World Literature after 1600 (GT-AH2)	3
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LIT 205	Ethnic Literature (GT-AH2)	3
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LIT 211	American Literature to Civil War (GT-AH2)	3
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LIT 212	American Literature after Civil War (GT-AH2)	3
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LIT 221	British Literature to 1770 (GT-AH2)	3
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LIT 222	British Literature since 1770 (GT-AH2)	3
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LIT 225	Introduction to Shakespeare (GT-AH2)	3
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LIT 246	Literature of Women (GT-AH2)	3
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LIT 259	Survey of African American Literature (GT-AH2)	3
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## Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
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PHI 112	Ethics (GT-AH3)	3
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PHI 113	Logic (GT-AH3)	3
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PHI 214	Philosophy of Religion (GT-AH3)	3
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PHI 218	Environmental Ethics (GT-AH3)	3
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PHI 220	Philosophy of Death and Dying (GT-AH3)	3
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## Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
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SPA 212	Spanish Language IV (GT-AH4)	3
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## Natural and Physical Sciences

(4 credits)

Note: students MUST successfully pass BOTH SCI 155 and SCI 156 to satisfy the gtPathways science requirement.

BIO 105	Science of Biology with Lab (GT-SC1)	4
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SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
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SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4
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## Additional General Education Requirements: 3 credits

HIS 121	US History to Reconstruction (GT-HI1)	3
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## Degree Requirements: 33 credits

ECE 101	Introduction to Early Childhood Education	3
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ECE 102	Introduction to Early Childhood Education Techniques	3
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ECE 103	Guidance Strategies for young Children	3
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ECE 111	Infant and Toddler Theory and Practice	3
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ECE 205	ECE Nutrition, Health, and Safety	3
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ECE 220	Curriculum Development: Methods and Techniques	3
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## Electives: 6 credits

ECE 112	Intro to Infant/Toddler Lab Techniques	3
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ECE 256	Working with Parents, Families, and Community Systems	3
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EDU 261	Teaching, Learning, and Technology	3
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## Film Video Media: Acting/Directing for the Screen Emphasis, A.A.S.

In this selective entry degree program, students will explore many tools for honing and enriching their craft. It is the mission of the Acting faculty at Colorado Film School 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. The approach of the acting faculty at CFS encourages students to discover each character within themselves, bringing honesty and specificity to each moment. Students who complete the program will understand the Stanislavski system and techniques, they'll understand how film works, and they'll have a professional acting portfolio to begin auditioning in the industry. They'll be equipped to work on any film or television set in the world.

**Degree Requirements: 75 credits**

## General Education Requirements: 15 credits

### English

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
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ENG 122	English Composition II (GT-CO2)	3
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### Mathematics

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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MAT 120: or higher (excludes MAT 155 and MAT 156)

### Social and Behavioral Sciences

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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### Arts and Humanities

(3 credits)

COM 115	Public Speaking	3
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## Film Video Common Core: 15 credits

FVM 105	Video Production I	3
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FVM 117	Understanding the Actor's Process	3
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FVM 136	Short Script Analysis	3
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FVM 150	Development of Film Expression	3
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FVM 160	Video Post-Production I	3
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## Acting/Directing for the Screen Film and Video: 45 credits

### Choose any one from the list below (FVM 181 - FVM 188):

FVM 181	Topics in Film Studies	3
FVM 183	Italian Neo-Realism and French New Wave Cinema	3
FVM 184	Landmarks of Cinema	3
FVM 185	The Documentary Film	3
FVM 186	The Horror Film	3
FVM 187	The Science Fiction Film	3
FVM 188	The Comedy Film	3
FVM 118	Screen Actor Improvisation	3
FVM 155	Writing the Short Script	3
FVM 200	Video Production II	3
FVM 202	Film/Video Business	3
FVM 204	Art Direction	3
FVM 207	Directing Workshop	3
FVM 209	Production Management	3
	OR	
FVM 236	Creative Producing	3
FVM 211	Studio Recording for Voice	3
FVM 212	Contemporary Global Cinema	3
FVM 217	Acting for the Screen	3
FVM 218	Actor Movement and Action	3
FVM 222	Writing the Web Series	3
	OR	
FVM 243	Writing for Interactive Games	3
FVM 228	Actor Movement & Action II	3
FVM 251	Feature Script Analysis	3

## Film Video Media: Cinematography/Videography Emphasis, A.A.S.

In this selective entry degree program students learn a hands-on approach to Cinematography. Students are taught to visualize a movie while working with the Director and Art Department provoke an emotional response of the audience - the essence of why people go to see films. At the Colorado Film School you will get your hands on a wide variety of cameras including motion picture film and the Red 4K camera system. By working with other disciplines, a Cinematography major explores a wide range of filmmaking gaining skills in dramatic narrative, documentary filmmaking and the latest in green-screen effects photography.

**Degree Requirements: 75 credits**

**General Education Requirements: 15 credits**

### English

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

### Mathematics

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 120: or higher (excludes MAT 155 and MAT 156)		

### Social and Behavioral Sciences

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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### Arts and Humanities

(3 credits)

COM 115	Public Speaking	3
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### Film Video Common Core: 15 credits

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

### Cinematography/Videography Emphasis: 45 credits

FVM 153	Introduction to Film Production	3
FVM 185	The Documentary Film	3
FVM 200	Video Production II	3
FVM 202	Film/Video Business	3
FVM 204	Art Direction	3
FVM 205	Camera Techniques	3
FVM 206	Film/Video Lighting	3
FVM 212	Contemporary Global Cinema	3
FVM 213	Cinematography	3
FVM 220	16MM/HD Production	3
FVM 221	Commercial Media Production	3
FVM 223	Color Grading	3
FVM 251	Feature Script Analysis	3
FVM 270	Film/Video Production III	3
FVM 273	Professional Documentary Production	3

## Film Video Media: Post-Production Emphasis, A.A.S.

This selective entry degree program offered through The Colorado Film School helps prepare students to become great editors that find work. Traditionally, we teach the very latest in Final Cut editing software. We also work with Avid, Motion and Color, and train our students in Sound Design, Color Correction, DVD Authoring, Animation, Photoshop, Maya and Nuke through a variety of specialized programs. 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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

**Mathematics**

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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MAT 120: or higher (excludes MAT 155 and MAT 156)

**Social and Behavioral Sciences**

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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**Arts and Humanities**

(3 credits)

COM 115	Public Speaking	3
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**Film Video Common Core: 15 credits**

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

**Post-Production Emphasis: 45 credits**

FVM 163	Digital Editing: Premiere	3
FVM 164	Digital Editing: Final Cut Pro	3
FVM 165	Digital Editing: Avid	3
FVM 185	The Documentary Film	3
FVM 200	Video Production II	3
FVM 202	Film/Video Business	3
FVM 208	Sound for Film/Video	3
FVM 212	Contemporary Global Cinema	3
FVM 215	Post-Production II	3
FVM 223	Color Grading	3
FVM 248	Post-Production Sound	3
FVM 251	Feature Script Analysis	3
FVM 264	Digital Effects	3
FVM 263	Digital Compositing	3
	OR	
FVM 267	Editing Aesthetics	3
FVM 271	Post-Production III	3

**Film Video Media: Screen Writing  
Emphasis, A.A.S.**

In this selective entry degree program, Screenwriting students create short film scripts that they can market to producers and directors through TheiaSys as well as TV pilots, web series, TV spec scripts and features are created in focused courses that stress process, structure and character development. At CFS, story is king, so our most talented writers have a strong fan base. A CFS Screenwriting major can graduate with a treasure trove of scripts to market to series and feature producers and financiers.

**Degree Requirements: 75 credits****General Education Requirements: 15 credits****English**

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

**Mathematics**

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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MAT 120: or higher (excludes MAT 155 and MAT 156)

**Social and Behavioral Sciences**

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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**Arts and Humanities**

(3 credits)

COM 115	Public Speaking	3
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**Film Video Common Core: 15 credits**

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

**Screenwriting for Film and Video: 45 credits****Choose any one from the list below (FVM 181 - FVM 188):**

FVM 181	Topics in Film Studies	3
FVM 183	Italian Neo-Realism and French New Wave Cinema	3
FVM 184	Landmarks of Cinema	3
FVM 185	The Documentary Film	3
FVM 186	The Horror Film	3
FVM 187	The Science Fiction Film	3
FVM 188	The Comedy Film	3

FVM 118	Screen Actor Improvisation	3
FVM 155	Writing the Short Script	3
FVM 202	Film/Video Business	3
FVM 212	Contemporary Global Cinema	3

FVM 216	Producing the Independent Film OR	3
FVM 242	Writing the TV Spec Script	3
FVM 217	Acting for the Screen OR	3
FVM 222	Writing the Web Series	3
FVM 232	Writing the TV Pilot	3
FVM 236	Creative Producing	3
FVM 243	Writing for Interactive Games	3
FVM 251	Feature Script Analysis	3
FVM 252	Writing the Independent Film	3
FVM 262	Writing the Hollywood Feature	3
FVM 268	Feature Rewrites Workshop	3
FVM 269	Screenwriter's Workshop	3

## Film Video Media: Writing/Directing Emphasis, A.A.S.

The selective entry 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 postproduction. 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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

#### Mathematics

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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Math 120: or higher (Excludes MAT 155 and MAT 156)

#### Social and Behavioral Sciences

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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#### Arts and Humanities

(3 credits)

COM 115	Public Speaking	3
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### Film Video Common Core: 15 credits

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3

FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

### Writing/Directing for Film and Video: 45 credits

FVM 118	Screen Actor Improvisation OR	3
FVM 206	Film/Video Lighting OR	3
FVM 217	Acting for the Screen	3
FVM 155	Writing the Short Script	3
FVM 200	Video Production II OR	3
FVM 220	16MM/HD Production	3
FVM 202	Film/Video Business	3
FVM 204	Art Direction	3
FVM 205	Camera Techniques	3
FVM 207	Directing Workshop	3
FVM 209	Production Management	3
FVM 212	Contemporary Global Cinema	3
FVM 215	Post-Production II	3
FVM 229	Production Preparation	3
FVM 222	Writing the Web Series OR	3
FVM 232	Writing the TV Pilot OR	3
FVM 242	Writing the TV Spec Script OR	3
FVM 243	Writing for Interactive Games	3
FVM 251	Feature Script Analysis	3
FVM 270	Film/Video Production III	3
FVM 271	Post-Production III	3

## Film Video Media: Writing/Producing Emphasis, A.A.S.

In this selective entry degree program, 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. Then assemble and collaborate with key creative artists to form a combined vision through a project's development, pre-production, production and post-production. Filmmakers will perfect both the creative and business aspects of filmmaking by enhancing and developing artistic proficiency and judgment and becoming immersed in a solid background of the entertainment industry.

**Degree Requirements: 75 credits**

### General Education Requirements: 15 credits

#### English

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

## Mathematics

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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MAT 120: or higher (excludes MAT 155 and MAT 156)

## Social and Behavioral Sciences

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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## Arts and Humanities

(3 credits)

COM 115	Public Speaking	3
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## Film Video Common Core: 15 credits

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

## Writing/Producing Emphasis: 45 credits

FVM 155	Writing the Short Script	3
FVM 185	The Documentary Film	3
FVM 200	Video Production II OR	3
FVM 220	16MM/HD Production	3
FVM 202	Film/Video Business	3
FVM 204	Art Direction	3
FVM 209	Production Management	3
FVM 212	Contemporary Global Cinema	3
FVM 216	Producing the Independent Film	3
FVM 229	Production Preparation	3
FVM 236	Creative Producing	3
FVM 251	Feature Script Analysis	3
FVM 270	Film/Video Production III	3
FVM 273	Professional Documentary Production	3
FVM 222	Writing the Web Series OR	3
FVM 232	Writing the TV Pilot OR	3
FVM 242	Writing the TV Spec Script OR	3
FVM 243	Writing for Interactive Games	3

## Choose any one from the list below (FVM 181 - FVM 188):

FVM 181	Topics in Film Studies	3
FVM 183	Italian Neo-Realism and French New Wave Cinema	3
FVM 184	Landmarks of Cinema	3
FVM 185	The Documentary Film	3
FVM 186	The Horror Film	3
FVM 187	The Science Fiction Film	3
FVM 188	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

General Education Requirements: 18 credits

## English and Communication

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
COM 125	Interpersonal Communication	3

## Mathematics

(4 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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## Natural and Physical Sciences

(4 credits)

### Select one GT-SC1 course:

AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4



**Other**  
 (4 credits)

PED 110	Fitness Center Activity I	1
CIS 118	Introduction to PC Applications	3

**Degree Requirements: 32 credits**

FST 100	Firefighter I	9
FST 102	Principles/Emergency Services	3
FST 109	Occupational Safety and Health for Fire	3
FST 209	Fire Protection Systems	3
FST 105	Building Construction for Fire Protection	3
FST 106	Fire Prevention	3
FST 107	Hazardous Materials Operations (Level I)	3
FST 170	Clinical I	1
FST 253	NIMS	3

**Electives: 12 credits**

Select any non-required FST or EMS courses.

**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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3
COM 115	Public Speaking	3
	Or	
COM 125	Interpersonal Communication	3

**Mathematics**

(4 Credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
	Or	
MAT 121	College Algebra: GT-MA1	4

**Arts and Humanities**

(3 Credits)

ART 110	Art Appreciation (GT-AH1)	3
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**Graphic and Web Design Core Course Requirements: 38 credits**

**Take all courses**

ART 121	Drawing I	3
ART 131	Visual Concepts 2-D Design	3
CIS 203	Technology for Career Success	2
CWB 110	Complete Web Authoring (HTML)	3
MGD 102	Introduction to Multimedia	3
MGD 105	Type & Layout	3
MGD 111	Adobe Photoshop I	3
MGD 112	Adobe Illustrator I	3
MGD 114	Adobe InDesign	3
MGD 133	Graphic Design I	3
MGD 141	Web Design I	3
MGD 143	Motion Graphic Design I (Software)	3
MGD 227	Marcomm Practices	3

**Electives: 6 credits**

**Choose any 2 below:**

CWB 205	Client-side Scripting	3
CWB 209	Web Content Management Systems	3
MGD 233	Graphic Design II	3
MGD 241	Web Design II	3

**IT Tech and Support, 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 IT Tech and Support 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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3
BUS 217	Business Communication and Report Writing	3

**Mathematics**

(4 credits)

MAT 121	College Algebra: GT-MA1	4
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**Business**

(3 credits)

BUS 115	Introduction to Business	3
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**Required Courses for IT Tech and Support: 40 credits**

CIS 115	Introduction to Computer Information Systems	3
CIS 118	Introduction to PC Applications	3
CIS 128	Intro to Operating Systems	3
CIS 203	Technology for Career Success	2
CIS 263	PC Help Desk Skills	3
CIS 267	Management of Information Systems	3
CNG 101	Network Fundamentals	3
CNG 121	Computer Technician I A+	4
CNG 122	Computer Technician II A+	4
CNG 124	Networking: Network +	3
CNG 131	Principles of Information Assurance	3
CNG 142	Intro to Cloud Computing	3
CNG 211	Windows Configuration	3

**Electives: 6 credits**

CIS 202	Automated Project Management: MS Project	3
CIS 223	Linux	3
CIS 268	Systems Analysis and Design I	3
CIS 280	Internship	3
CNG 132	Network Security Fundamentals	3

**Management with an Emphasis in Paralegal, A.A.S.**

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. Paralegals are not authorized to practice law in any way, as the practice of law is restricted to persons who are licensed by this or any other state. Any act that requires a legal license to perform, unless otherwise authorized by applicable court rules, constitutes unauthorized practice of law.

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. Students must complete the emphasis requirements and degree requirements, including ENG 121. All Paralegal students must consult with an academic advisor.

**Degree Requirements: 61 credits****General Education Requirements: 18 credits****English and Communication**

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3

**Mathematics or Natural and Physical Sciences**

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
AST		3

BIO		3
CHE		3
GEY		3

MAT 120 or higher; AST, BIO, CHE, GEY, PHY 105 or higher.

**Social and Behavioral Sciences**

(9 credits)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3

**And Choose one course from:**

HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3

**Business Core Requirements: 13 credits**

ACC 121	Accounting Principles I	4
BUS 216	Legal Environment of Business	3
MAN 200	Human Resources Management I	3
MAN 226	Principles of Management	3

**Emphasis Requirements: 21 credits**

PAR 115	Introduction to Law	3
PAR 116	Torts	3
	OR	
PAR 205	Criminal Law	3
PAR 118	Contracts	3
PAR 201	Civil Litigation	3
PAR 213	Legal Research and Writing I	3
PAR 214	Legal Research and Writing II	3
PAR 280	Internship	3
	OR	
PAR 285	Independent Study	3

PAR 116, PAR 205: Students may take either Torts or Criminal Law to meet the emphasis requirements, or they may take both courses as one elective.

**Electives: 9 credits****Select three courses from the following:**

PAR 116	Torts	3
PAR 117	Family Law	3
PAR 125	Property Law	3
PAR 205	Criminal Law	3
PAR 206	Business Organizations	3
PAR 207	Current Issues in Law	3
PAR 208	Probate and Estates	3
PAR 209	Constitutional Law	3
PAR 216	Employment Law	3

PAR 218	Bankruptcy Law	3
PAR 227	Immigration Law	3
PAR 275	Special Topics	3

PAR 116, PAR 205: Students may take either Torts or Criminal Law to meet the emphasis requirements, or they may take both courses as one elective.

## Music and Entertainment Entrepreneurship Music Performance, A.A.S.

This degree program prepares students for music entertainment entry level performance work or to launch a new business and/or career. Topics range from performance skills to music business to audio production to music making and apt gen-ed courses.

**Degree Requirements: 60 credits**

**General Education Requirements: 16 credits**

### English and Communication

(9 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3
COM 125	Interpersonal Communication	3

### Mathematics

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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MAT 120: or higher (excludes MAT 155 and MAT 156)

### Social and Behavioral Sciences

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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**Music and Entertainment Entrepreneurship Common Core: 21 credits**

### Music and Entertainment Entrepreneurship Common Core

MUS 107	Entrep/Artistry for Musicians	3
MUS 163	Music Audio Production I	3
MUS 164	Music Audio Production II	3
MUS 167	Music Business I	3
MUS 169	Project Management for Musicians	3
MUS 263	Music Publishing	3
MUS 267	Music Marketing Strategies	3

**Performance Emphasis: 23 credits**

### Performance Emphasis

MUS 100	Introduction to Music Theory I	3
MUS 110	Music Theory I	3
MUS 111	Music Theory II	3
MUS 112	Ear Training/Sight Singing Lab I	1
MUS 113	Ear Training/Sight Singing Lab II	1
MUS 141	Private Instruction	2
MUS 142	Private Instruction	1-2

MUS 143	Private Instruction	1-2
MUS 144	Private Instruction	1-2
MUS 151	Ensemble I	1
MUS 152	Ensemble II	1
MUS 153	Ensemble III	1
MUS 154	Ensemble IV	1
MUS 260	The Business of Live Music Performance	3

## Music and Entertainment Entrepreneurship Music Producer, A.A.S.

This degree program prepares students for music entertainment entry level audio production work or to launch a new business and/or career. Topics range from audio tech to music business to music making and apt gen-ed courses.

**Degree Requirements: 60 Credits**

**General Education Requirements: 16 credits**

### English and Communication

(9 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3
COM 125	Interpersonal Communication	3

### Mathematics

(3 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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MAT 120: or higher (excludes MAT 155 and MAT 156)

### Social and Behavioral Sciences

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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**Music and Entertainment Entrepreneurship Common Core: 21 credits**

### Music and Entertainment Entrepreneurship Common Core

MUS 107	Entrep/Artistry for Musicians	3
MUS 163	Music Audio Production I	3
MUS 164	Music Audio Production II	3
MUS 167	Music Business I	3
MUS 169	Project Management for Musicians	3
MUS 263	Music Publishing	3
MUS 267	Music Marketing Strategies	3

**Producer Emphasis: 23 credits**

### Producer Emphasis

MUS 100	Introduction to Music Theory I	3
MUS 110	Music Theory I	3
MUS 112	Ear Training/Sight Singing Lab I	1
MUS 141	Private Instruction	1-2
MUS 168	Audio Post Production I	3

MUS 261	Advanced Music Audio Production	3
MUS 262	Developing a Producer's Ear	3
MUS 265	Live Audio Engineering	3
MUS 268	Audio Post Production II	3

CNG 211	Windows Configuration	3
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## Networking, A.A.S.

Degree prepares students with the entry-level skills and knowledge necessary to establish and monitor local area networks. The program provides students with the opportunity to learn the skills needed to test for the CompTIA Network+, Project+, and Linux+ certifications. Additionally, they will have the option to test for the Security+ or CISCO CCENT certifications and may qualify for the CISCO and Basic Networking Security certificates from CCA.

**Degree Requirements: 62 credits**

**General Education Requirements: 16 credits**

### English and Communication

(9 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3
BUS 217	Business Communication and Report Writing	3

### Mathematics

(4 credits)

MAT 121	College Algebra: GT-MA1	4
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### Business

(3 credits)

BUS 115	Introduction to Business	3
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**Required Courses for AAS Networking: 40 credits**

CIS 118	Introduction to PC Applications	3
CIS 128	Intro to Operating Systems	3
CIS 203	Technology for Career Success	2
CIS 268	Systems Analysis and Design I	3
CNG 101	Network Fundamentals	3
CNG 124	Networking: Network +	3
CNG 132	Network Security Fundamentals	3
CNG 260	CISCO Network Associate I	5
CNG 261	CISCO Network Associate II	5
CNG 262	CISCO Network Associate III	5
CNG 263	CISCO Network Associate IV	5

### Electives

(6 Credits)

CIS 202	Automated Project Management: MS Project	3
CIS 223	Linux	3
CIS 267	Management of Information Systems	3
CIS 280	Internship	3
CNG 142	Intro to Cloud Computing	3

## Paralegal, A.A.S.

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. Paralegals are not authorized to practice law in any way, as the practice of law is restricted to persons who are licensed by this or any other state. Any act that requires a legal license to perform, unless otherwise authorized by applicable court rules, constitutes unauthorized practice of law.

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 must consult with an academic advisor. Students wishing to continue in a baccalaureate degree program after completing their associate 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. (Exceptions: PAR 209 at CCA only, and any listed in the CCA schedule offered at CCA only. Consult the Program Coordinator before taking any online class other than PAR 209.)

**Degree Requirements: 60 credits**

**General Education Requirements: 30 credits**

### English and Communication

(9 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3
COM 115	Public Speaking OR	3
COM 125	Interpersonal Communication	3

### Mathematics or Science

(3 credits)

Choose one course from GT-MA1 or GT-SC1:

#### (GT-MA1)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
MAT 121	College Algebra: GT-MA1	4
MAT 122	College Trigonometry: GT-MA1	3
MAT 123	Finite Mathematics: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3
MAT 166	Pre-Calculus: (GT-MA1)	5
MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5
MAT 203	Calculus III: GT-MA1	4
MAT 204	Calculus III with Engineering Applications: GT-MA1	5
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4

MAT 265 Differential Equations: GT-MA1 3

**(GT-SC1)**

ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
AST 101	Astronomy I with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5
BIO 112	General College Biology II with Lab (GT-SC1)	5
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
GEY 135	Environmental Geology, with Lab (GT-SC1)	4
PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

**Social and Behavioral Sciences**

(9 credits)

Choose 3 courses from at least 2 different categories,

(GT-HI1, GT-SS1, GT-SS2, GT-SS3):

**(GT-HI1)**

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
HIS 122	US History Since Civil War (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3

**(GT-SS1)**

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3

POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

**(GT-SS2)**

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

**(GT-SS3)**

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3
PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

**Arts and Humanities**

(9 credits)

Choose 3 different courses from at least 2 different categories:

**(GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History - Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3

THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

**(GT-AH2)**

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

**(GT-AH3)**

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

**(GT-AH4)**

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

**Paralegal Required Courses: 21 credits**

PAR 115	Introduction to Law	3
PAR 118	Contracts	3
PAR 201	Civil Litigation	3
PAR 213	Legal Research and Writing I	3
PAR 214	Legal Research and Writing II	3
PAR 116	Torts	3
	OR	
PAR 205	Criminal Law	3
PAR 280	Internship	3
	OR	
PAR 285	Independent Study	3

PAR 116, PAR 205: 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 3 courses:**

PAR 116	Torts	3
PAR 117	Family Law	3
PAR 125	Property Law	3
PAR 205	Criminal Law	3
PAR 206	Business Organizations	3
PAR 207	Current Issues in Law	3
PAR 208	Probate and Estates	3
PAR 209	Constitutional Law	3
PAR 216	Employment Law	3
PAR 218	Bankruptcy Law	3

OR

Any other PAR courses approved by the department

PAR 116, PAR 205: Students may take either Torts or Criminal Law to meet the emphasis requirements or they may take both courses, one as an elective

**Paramedicine, 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](http://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](http://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](http://www.coaemsp.org)**Degree Requirements: 62 credits****General Education Requirements: 17 credits****English****(3 credits)**

ENG 121	English Composition I (GT-CO1)	3
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**Mathematics****(3 credits)**

MAT 107	Career Mathematics	3
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**Science****(11 credits)**

BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
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BIO 202	Human Anatomy and Physiology II with Lab(GT-SC1)	4
HPR 178	Medical Terminology	3

### Requirement Paramedicine: 45 credits

EMS 225	Fundamentals of Paramedic Practice	3
EMS 226	Fundamentals of Paramedic Practice - Lab	2
EMS 227	Paramedic Special Considerations	3
EMS 228	Paramedic Special Considerations - Lab	2
EMS 229	Paramedic Pharmacology	3
EMS 230	Paramedic Pharmacology - Lab	2
EMS 231	Paramedic Cardiology	5
EMS 232	Paramedic Cardiology - Lab	1
EMS 233	Paramedic Medical Emergencies	4
EMS 234	Paramedic Medical Emergencies - Lab	1
EMS 235	Paramedic Trauma Emergencies	4
EMS 236	Paramedic Trauma Emergencies - Lab	1
EMS 237	Paramedic Internship Preparatory	2
EMS 280	Paramedic Internship I	6
EMS 281	Paramedic Internship II	6

### 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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

BUS 217	Business Communication and Report Writing	3
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#### Mathematics

(4 credits)

MAT 121	College Algebra: GT-MA1	4
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#### Business

(3 credits)

BUS 115	Introduction to Business	3
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#### Required Courses for Programming: 39 credits

CIS 118	Introduction to PC Applications	3
CIS 128	Intro to Operating Systems	3
CIS 202	Automated Project Management: MS Project	3
CIS 203	Technology for Career Success	2

CNG 101	Network Fundamentals	3
CSC 119	Introduction to Programming	3
CIS 243	Introduction to SQL	3
CIS 268	Systems Analysis and Design I	3
CSC 160	Computer Science I: C++	4
CSC 161	Computer Science II: C++	4
CSC 236	Introduction to C# Programming	4
CSC 237	Advanced C# Programming	4

#### Electives: 6 Credits

CWB 110	Complete Web Authoring (HTML)	3
CWB 205	Client-side Scripting	3

### Technology for Business Operations, A.A.S.

This degree program prepares students for entry-level positions utilizing technology in business operations and focuses on technology and software applications used in business. The degree is structured for students to choose their area of technological emphasis, including office management, business, marketing, and desktop publishing.

Degree Requirements: 60 credits

#### General Education Requirements: 16 credits

#### English and Communication

(9 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3

#### Mathematics

(4 credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
	OR	
MAT 121	College Algebra: GT-MA1	4

#### Social Sciences

(3 credits)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
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#### Required Core Courses for Computer Department: 11 credits

CIS 115	Introduction to Computer Information Systems	3
CIS 128	Intro to Operating Systems	3
CIS 202	Automated Project Management: MS Project	3
CIS 203	Technology for Career Success	2

## Required Courses for Technology for Business Operations: 24 credits

BUS 115	Introduction to Business	3
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
CIS 118	Introduction to PC Applications	3
CIS 135	Complete PC Word Processing (Word)	3
CIS 145	Complete PC Database (Access)	3
CIS 155	PC Spreadsheet Concepts (Excel)	3
MGD 114	Adobe InDesign	3

## Electives: 9 credits

### Choose 3 courses:

BTE 225	Office Management	3
BUS 226	Business Statistics	3
CIS 165	Complete Presentation Graphics (Power Point)	3
CWB 110	Complete Web Authoring (HTML)	3
MAR 216	Principles of Marketing	3
MGD 112	Adobe Illustrator I	3

Pre-requisites for degree: MAT 050, CCR 092, CCR 093 or CCR 094, or equivalent ACT scores, ability to type 30 wpm.

## 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:

- Provide evidence of proficiency in English with one of the following:
  - Completion of ENG 121 or higher with a C or higher.
  - Other evidence demonstrating English proficiency may be approved by the program Chair.
- Provide evidence of proficiency in a second language with one of the following:
  - Evidence of completion of high school in a country where the language is spoken.
  - Completion of a college minor in the second language with a minimum grade of "C" for all courses taken in the second language.
  - Other evidence demonstrating proficiency in a second language may be approved by the program Chair.
- Prospective students must attend a mandatory information orientation prior to enrollment. Contact Academic Support Specialist (Laurny Gangle-Wythe 303-360-4749) for dates and times.

**Degree Requirements: 61 credits**

## General Education Requirements: 13 credits

### English and Communication

(9 Credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3
COM 125	Interpersonal Communication	3

### Mathematics

(4 Credits)

MAT 120	Mathematics for Liberal Arts: GT-MA1	4
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## Translation and Interpretation Course Requirements: 23 credits

### Take all courses

TRI 101	Introduction to Translation and Interpretation	3
TRI 103	Code of Ethics	2
TRI 104	Business of Translation and Interpretation	3
TRI 201	Consecutive Interpretation I	3
TRI 202	Simultaneous Interpretation I	3
TRI 203	Sight Translation	3
TRI 204	Consecutive Interpretation II	3
TRI 205	Simultaneous Interpretation II	3

## Other Course Requirements: 25 Credits

### Take all courses

BIO 106	Basic Anatomy and Physiology	4
BIO 116	Introduction to Human Disease (GT-SC2)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
CRJ 135	Judicial Function	3
CRJ 205	Principles of Criminal Law	3
PAR 117	Family Law	3
HPR 178	Medical Terminology	3



# ASSOCIATE OF SCIENCE DEGREE- ARTICULATION WITH COLORADO

## Articulation with Colorado School of Mines Associate of Science Degree (A.S.)

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**

*A.S. will not show up on your transcript, it will show only as an A.A.*

### General Education Core Requirements: 39 credits

#### English and Communication

(9 credits – GT-CO1, GT-CO2)

ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
	AND	
COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3
	OR	
COM 220	Intercultural Communication (GT-SS3)	3

#### Mathematics

(3 credits – GT-MA1)

Credits over 3 will count as electives.

MAT 201	Calculus I: GT-MA1	5
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#### Arts and Humanities

(6 credits)

Select one 200 level guaranteed transfer Arts & Humanities course from GT-AH2 or GT-AH4:

PHI 218	Environmental Ethics (GT-AH3)	3
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#### Category II (GT-AH2)

LIT 201	World Literature to 1600 (GT-AH2)	3
LIT 202	World Literature after 1600 (GT-AH2)	3

LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

#### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

#### Social and Behavioral Sciences

(9 credits)

HIS 247	20th Century World History (GT-HI1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3

#### Natural and Physical Sciences

(12 credits – GT-SC1)

CHE 111	General College Chemistry I with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
	One additional GT-SC1 from list of electives below	2

GT-SC1: Credits over 2 will count as electives.

#### Required Electives: 21 credits

See an advisor for help choosing electives.

BIO 111	General College Biology I with Lab (GT-SC1)	5
CHE 112	General College Chemistry II with Lab (GT-SC1)	5
CSC 119	Introduction to Programming	3
CSC 160	Computer Science I: C++	4
CSC 161	Computer Science II: C++	4
CHE 211	Organic Chemistry I with Lab	5
CHE 212	Organic Chemistry II with Lab	5
GEY 111	Physical Geology, with Lab (GT-SC1)	4
GEY 112	Historical Geology, with Lab (GT-SC1)	4
MAT 202	Calculus II: GT-MA1	5
MAT 204	Calculus III with Engineering Applications: GT-MA1	5
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
PED XXX	4 Semesters of Physical Education courses	4
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5

\*PED XXX<sub>4</sub> can also be taken at Colorado School of Mines

# ARTICULATED DEGREE WITH METRO STATE UNIVERSITY

CSC 119	Introduction to Programming	3
MAR 216	Principles of Marketing	3

## 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 62 credit hours 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 degree may not transfer in whole should the student earn a D in any coursework including general education. Questions, please see your Pathways Advisor.

**Degree Requirements: 62**

### General Education Requirements

#### English and Communication

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

#### Arts and Humanities

(6 credits)

POS 105	Introduction to Political Science (GT-SS1)	3
PSY 101	General Psychology I (GT-SS3)	3

#### Social and Behavioral Sciences

(9 credits)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3

#### Mathematics

(8 credits)

MAT 121	College Algebra: GT-MA1	4
MAT 125	Survey of Calculus: GT-MA1	4

### Required Program Courses: 18 credits

#### Required Program Courses

(34 credits)

ACC 121	Accounting Principles I	4
BUS 115	Introduction to Business	3
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
CIS 115	Introduction to Computer Information Systems	3
CIS 118	Introduction to PC Applications	3
CIS 128	Intro to Operating Systems	3
CIS 202	Automated Project Management: MS Project	3
CIS 267	Management of Information Systems	3

# ARTICULATED WITH PICKENS COLLEGE

## 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 121	English Composition I (GT-CO1)	3
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#### Mathematics

(4 credits)

MAT 107	Career Mathematics	3
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#### Social and Behavioral Sciences

(3 credits)

PSY 101	General Psychology I (GT-SS3)	3
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#### Natural and Physical Sciences

(3 credits)

CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
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BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
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BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
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BIO 204	Microbiology with Lab (GT-SC1)	4
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### 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
RCA161	Cardiopulmonary Diagnostic I	1
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

# ARTICULATED WITH UNIVERSITY OF COLORADO

## 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 121	English Composition I (GT-CO1)	3
ENG 122	English Composition II (GT-CO2)	3

#### Mathematics

(10 Credits)

MAT 201	Calculus I: GT-MA1	5
MAT 202	Calculus II: GT-MA1	5

#### Arts and Humanities

(3 Credits GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

Select one course:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
ENG 221	Creative Writing I (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
MUS 123	Survey of World Music (GT-AH1)	3
MUS 125	History of Jazz (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3

#### Category II (GT-AH2)

HUM 115	World Mythology (GT-AH2)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 115	Introduction to Literature (GT-AH2)	3
LIT 201	World Literature to 1600 (GT-AH2)	3

LIT 202	World Literature after 1600 (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 211	American Literature to Civil War (GT-AH2)	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 221	British Literature to 1770 (GT-AH2)	3
LIT 222	British Literature since 1770 (GT-AH2)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3
LIT 246	Literature of Women (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3

#### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3
PHI 220	Philosophy of Death and Dying (GT-AH3)	3

#### Category IV (GT-AH4)

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

#### Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two guaranteed transfer courses from any category:

#### Category I (GT-SS1)

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
POS 105	Introduction to Political Science (GT-SS1)	3
POS 111	American Government (GT-SS1)	3
POS 125	American State and Local Government (GT-SS1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

#### Category II (GT-SS2)

GEO 105	World Regional Geography (GT-SS2)	3
GEO 106	Human Geography (GT-SS2)	3

#### Category III (GT-SS3)

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
PSY 101	General Psychology I (GT-SS3)	3
PSY 102	General Psychology II (GT-SS3)	3
PSY 205	Psychology of Gender (GT-SS3)	3
PSY 217	Human Sexuality (GT-SS3)	3

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PSY 226	Social Psychology (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3
SOC 205	Sociology of Family Dynamics (GT-SS3)	3
SOC 207	Environmental Sociology (GT-SS3)	3
SOC 215	Contemporary Social Problems (GT-SS3)	3
SOC 218	Sociology of Diversity (GT-SS3)	3
SOC 220	Sociology of Religion (GT-SS3)	3
SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

### Natural and Physical Sciences

(15 Credits)

CHE 111	General College Chemistry I with Lab (GT-SC1)	5
PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5

### Required Courses for Computer Science: 11 credits

CSC 119	Introduction to Programming	3
CSC 160	Computer Science I: C++	4
CSC 161	Computer Science II: C++	4

### Electives: 11 credits

Choose two of the following:		
CSC 165	Discrete Structures	4
CSC 225	Computer Architecture/Assembly Language Programming	4
CSC 236	Introduction to C# Programming	4
CSC 237	Advanced C# Programming	4
AND		
Choose one of the following:		
MAT 255	Linear Algebra	3
CIS 128	Intro to Operating Systems	3

## 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 [www.ccaurora.edu/nursing](http://www.ccaurora.edu/nursing) or call 303-340-7090.

### Degree Requirements: 65 credits

### Prerequisite Requirements for Integrated Nursing Pathway: 35 credits

#### English and Communication

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
COM 220	Intercultural Communication (GT-SS3)	3

#### Mathematics

(7 credits)

MAT 121	College Algebra: GT-MA1	4
MAT 135	Introduction to Statistics: (GT-MA1)	3

#### Natural and Physical Sciences

(13 credits)

BIO 111	General College Biology I with Lab (GT-SC1)	5
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
HWE 100	Human Nutrition	3

#### Social and Behavioral Sciences

(6 credits)

PSY 101	General Psychology I (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3

#### Arts and Humanities

(3 credits)

Select 1 course:

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3
MUS 120	Music Appreciation (GT-AH1)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 211	Development of Theatre Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3

### Required Pathway Courses: 30 credits

These courses will be taken once a student has been accepted into the program.

ANT 250	Medical Anthropology (GT-SS3)	3
ENG 122	English Composition II (GT-CO2)	3
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
BIO 204	Microbiology with Lab (GT-SC1)	4
PSY 235	Human Growth and Development (GT-SS3)	3

HIS 247	20th Century World History (GT-HI1)	3
PHI 112	Ethics (GT-AH3)	3
NUR 213	Professional Pathway to Nursing	3

# CERTIFICATES

## Basic Law Enforcement Training Academy Certificate

<https://www.ccaurora.edu/ge/police.html>The Colorado Peace Officers Standards and Training (POST) Board certifies the CCA Basic Law Enforcement Training Academy. Individuals desiring this POST course of study must file an application with the Academy Director before registering. Colorado state law requires that students meet specific guidelines prior to admission. Information on Gainful Employment.

Those seeking to enter the CCA P.O.S.T.-approved Police Academy to be trained and receive state P.O.S.T. certification to be police officers must meet the following minimum qualifications:

1. CANNOT have a felony conviction, or have a conviction, or have been convicted of, or have plead guilty to and received a deferred judgment/sentence to certain Colorado P.O.S.T.-specified misdemeanors including those involving theft, moral turpitude, domestic violence and other crimes against persons. To read and check the Colorado list of disqualifying misdemeanors go to their POST website page: <https://coloradopost.gov/node/556>. If you have been convicted of any of the listed misdemeanors on the state P.O.S.T. page, including a deferred judgment/sentence, or are currently awaiting trial, or under current investigation for any of these misdemeanors, you cannot apply to the CCA Basic Law Enforcement Academy!
2. CANNOT have been arrested AND convicted, to include a deferred judgment/sentence, for any misdemeanor requiring a trial or appearance before a judge in the past five years to include shoplifting or disturbing the peace, excluding traffic ticket offenses. If you were arrested, but not convicted (to include not receiving a deferred judgment/sentence), you must still discuss the matter with the Academy Director before being allowed to apply for admittance.
3. CANNOT be currently under any form of restraining order.
4. CANNOT have a received a Dishonorable Discharge from the Armed Forces. Any other discharge, other than an Honorable Discharge, must be discussed with the Academy Director prior to application.
5. CANNOT have been convicted of a DUI/DWAI offense in the past five years.
6. CANNOT have four or more moving violations in the past two years, or a total of seven or more moving violations in the past five years CANNOT have more than six points on your driving record at the time of application to the academy. Students admitted to the academy as cadets cannot be cited and have more than six total points on their driving record at any time during the academy or they will face dismissal.
7. CANNOT have more than six points on your driving record at the time of application to the academy. Students admitted to the academy as cadets cannot be cited and have more than six total points on their driving record at any time during the academy or they will face dismissal.
8. CANNOT have had your license suspended for any reason within the past three years. Students admitted to the academy as cadets cannot have more than six points on their driving record during their time at the academy or will face dismissal.
9. CANNOT have used marijuana within the past three years.
10. CANNOT have EVER sold, manufactured, or transported for hire, ANY illegal drugs.
11. CANNOT have used any other illegal drugs to include (used when not under care by a physician who gave a legal prescription to you for use) narcotic, depressant, stimulant, hallucinogen, or steroid drugs in the past 5 years. All candidates MAY be subject to a drug test prior to admittance to the academy.
12. MUST pass the college entrance academic assessment test (check with the Library for times and location) and score high enough to take ENG 121, or show similar proof of equivalent ENG 121-level abilities through English reading and writing proficiencies demonstrated by a transcript of relevant completed college-level English courses with a "C" grade or higher.
13. MUST be in good physical AND emotional condition, AND pass a medical exam you obtain on your own from a physician within 6 months of the academy start date. The exam must document you have no physical

limitations, or pre-existing injuries, communicable, physical, or emotional conditions that you are not currently under care for under the ADA between you and your attending physician and you, that may be aggravated by the physical and high stress demands of the academy classroom and skills training, AND you must not currently be on medication that will cause safety concerns during driving, firearms, or arrest control instruction as indicated by the pharmaceutical contraindications of said medication. NOTE: We do not issue medical release or exam forms for the physical exam. Your doctor has to write out a statement attesting to the requests stated above that to the best of their knowledge, and from the exam results, you appear to be in good physical and emotional condition and appear to be able to engage in strenuous physical exercise and training and handle the emotional rigors of an intense law enforcement academy paramilitary environment..

14. MUST be at least 21 years of age to apply to attend the academy. Certain other conditions apply. For more information call the Academy Program Director at 303-880-2088, or send an email with your questions to: [michael.carter@ccaaurora.edu](mailto:michael.carter@ccaaurora.edu)

Graduates of the Aurora Police Academy and the Basic Law Enforcement Training Academy will receive credit for the following courses:

### Certificate Core Requirements: 39 credits

LEA 101	Basic Police Academy I	6
LEA 102	Basic Police Academy II	12
LEA 105	Basic Law	8
LEA 106	Arrest Control Techniques	3
LEA 107	Law Enforcement Driving	3
LEA 108	Firearms	3
EMS 115	Emergency Medical Responder	3
PED 112	Fitness Center Activity III	1

## Business Certificate: Bookkeeping

The Business Department's Full Charge Bookkeeping Certificate introduces the knowledge you need to understand the basics of financial accounting, and how to use accounting software to record business transactions. You will learn about basic accounting principles, document accounting transactions, and process payroll. If you are currently in the business world, or are looking to transition into business, this certificate will provide you with a foundation in accounting. 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. Information on Gainful Employment.

### Required Courses for Bookkeeping

#### Bookkeeping Certificate: 18 credits

ACC 115	Payroll Accounting	3
ACC 121	Accounting Principles I	4
ACC 122	Accounting Principles II	4
ACC 125	Computerized Accounting	3
BUS 117	Business Writing	1
CIS 155	PC Spreadsheet Concepts (Excel)	3

## Business Certificate: General Business

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. Information on Gainful Employment.

### General Business Certificate: 20 credits

ACC 121	Accounting Principles I	4
ACC 122	Accounting Principles II	4
BUS 115	Introduction to Business	3
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
BUS 226	Business Statistics	3

### Business Certificate: Human Resource Management

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. Information on Gainful Employment.

### Human Resource Management Certificate: 18 credits

BUS 115	Introduction to Business	3
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
MAN 156	Problem Solving-Business Environment	3
MAN 200	Human Resources Management I	3
MAN 201	Human Resources Management II	3

### Business Certificate: Real Estate

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.

### Real Estate Certificate Requirements: 12 credits

REE 201	Real Estate Broker I	6
REE 202	Real Estate Broker II	6

### Business Certificate: Entrepreneurial Launch Certificate

The Entrepreneurial Launch certificate is a credit-bearing program that is designed to help individuals launch their own business. This certificate will build on the student's existing technical or industry related skills to assist them in designing and launching a successful small business. Students will take courses in developing an entrepreneurial mindset, conducting a feasibility study, writing a business plan, and small business consulting. This program also includes courses that feature one-on-one mentoring and coaching with other small business professionals.

Upon completion of the certificate, students will have the opportunity to enroll in an independent study path where they will launch their business and generate initial revenue within CCA's business incubator on campus. After spending up to a year in the business incubator, students will transfer to the care of the local Small Business Development Center (SBDC) in order to continue to grow their business within the community.

Gainful Employment Information

#### Required Courses

#### Entrepreneurial Launch Certificate: 16 credits

ENP 105	Intro to Entrepreneurship	3
ENP 106	E-ship Opp.Feasibility Study	3
ENP 209	Entrepreneurship Business Plan	3
MAN 288	Practicum	3
SBM 285	Independent Study	4

### Business Certificate: Entrepreneurial Studies Certificate

The Entrepreneurial Studies certificate is a credit-bearing program designed to fit within the AA Core degree. Completion of this degree will provide students with the option to transfer to a public, four-year institution. Students pursuing the Entrepreneurial Studies certificate are doing so because they have ideas on possibly launching their own small business in the future, but would like to complete a Bachelor's degree prior to launching. Entrepreneurial Studies students, if they discover they have a viable business option as they complete their time at CCA, may switch over to the Entrepreneurial Launch certificate and start-up immediately while still being a student at CCA.

Students will explore intermediate and advanced entrepreneurial theory and research similar to that found within the Entrepreneurial Launch certificate but will not complete the incubator component of the program. Upon completion of this certificate, and the remaining AA Core requirements, student have the option to transfer to a public, four-year college with the intent to complete their Bachelor's degree. A natural fit for these students would be to pursue a Bachelor's degree in a business-related field at the four-year level; however, the Entrepreneurial Studies certificate will complement many other degrees that are offered at four-year institutions.

Gainful Employment Information

#### Required Courses

#### Entrepreneurial Studies Certificate: 18 credits

ENP 105	Intro to Entrepreneurship	3
ENP 106	E-ship Opp.Feasibility Study	3
ENP 206	Entrepreneurship Legal Issues	3



ENP 207	Entrepreneurship Financial Topics	3
ENP 209	Entrepreneurship Business Plan	3
MAN 288	Practicum	3

## Computer: Basic Networking and Security Certificate

This certificate program prepares student with general entry level skills and knowledge requisite to establish and monitor local area networks. Through this certificate, the students have the opportunity to obtain the skills necessary to test for the industry certifications of Security + and the Network +. The CCA Basic Networking and Security certificate provides students with a skill set sought by employers hiring entry level technicians. Information on Gainful Employment.

### Certificate Requirements: 20 credits

CIS 128	Intro to Operating Systems	3
CIS 203	Technology for Career Success	2
CNG 101	Network Fundamentals	3
CNG 124	Networking: Network +	3
CNG 131	Principles of Information Assurance	3
CNG 132	Network Security Fundamentals	3
CNG 142	Intro to Cloud Computing	3

Subtotal: 20

## Computer: CISCO Certificate

This certificate program prepares students with the entry level skills and knowledge requisite to work on networks in a CISCO environment. Through this certificate, students have the opportunity to obtain the skills necessary to test for the CISCO CCNA industry certification. In addition, the courses are part of the CCA Networking and Security AAS degree. The CISCO program provides students with a skill set sought by employers hiring network engineer technicians. Information on Gainful Employment

### Certificate Requirements: 20 credits

CNG 260	CISCO Network Associate I	5
CNG 261	CISCO Network Associate II	5
CNG 262	CISCO Network Associate III	5
CNG 263	CISCO Network Associate IV	5

## Computer: IT Tech and Support 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.

Information on Gainful Employment.

### Certificate Requirements: 22 credits

CIS 115	Introduction to Computer Information Systems	3
CIS 128	Intro to Operating Systems	3
CIS 202	Automated Project Management: MS Project	3
CIS 203	Technology for Career Success	2
CIS 263	PC Help Desk Skills	3
CNG 121	Computer Technician I A+	4
CNG 122	Computer Technician II A+	4

## Computer: Office Administration Certificate

This certificate prepares students for entry level office support positions. Upon completion of this certificate, students will have learned the skills and have the option to take the Microsoft Office Specialist Master Certification in Microsoft Word, Excel, Access and PowerPoint. Information on Gainful Employment.

### Certificate Requirements: 30 credits

CIS 115	Introduction to Computer Information Systems	3
CIS 118	Introduction to PC Applications	3
CIS 128	Intro to Operating Systems	3
CIS 135	Complete PC Word Processing (Word)	3
CIS 145	Complete PC Database (Access)	3
CIS 155	PC Spreadsheet Concepts (Excel)	3
CIS 165	Complete Presentation Graphics (Power Point)	3
BUS 115	Introduction to Business	3
BUS 217	Business Communication and Report Writing	3
BTE 225	Office Management	3

## Computer: PC Application Specialist Certificate

This certificate prepares students for entry level office or light support positions in application software. Upon completion of this certificate, students will have learned the skills and have the option to take the Microsoft Office Specialist Master Certification in Microsoft Word, Excel, Access and PowerPoint. Information on Gainful Employment.

### Certificate Requirements: 24 credits

CIS 115	Introduction to Computer Information Systems	3
CIS 118	Introduction to PC Applications	3
CIS 128	Intro to Operating Systems	3
CIS 135	Complete PC Word Processing (Word)	3
CIS 145	Complete PC Database (Access)	3
CIS 155	PC Spreadsheet Concepts (Excel)	3
CIS 165	Complete Presentation Graphics (Power Point)	3
MGD 114	Adobe InDesign	3

## Construction Certificate: Construction Estimating

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.

gainful employment

### Construction Estimating Certificate: 16 credits

AEC 107	Print Reading Residential/Commercial	3
AEC 121	Construction Materials and Systems	3
AEC 216	Estimating I	3
AEC 231	Estimating II: Cost Analysis	3
BUS 217	Business Communication and Report Writing	3
OSH 127	10 HR Construction Industry Standards	1

### Construction Certificate: Construction Superintendent

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.

Gainful Employment Information

### Construction Superintendent Certificate: 18 credits

AEC 107	Print Reading Residential/Commercial	3
AEC 121	Construction Materials and Systems	3
AEC 226	Construction Scheduling	3
AEC 236	International Building Codes	3
MAN 116	Principles of Supervision	3
OSH 126	30 HR Construction Industry Standards	3

### Computer: Creative Tools Certificate

This certificate provides advanced training in creative technology tools used for graphic design, and development of web pages, documents, marketing materials and used by graphic designers.

#### Required Courses

#### Creative Tools Certificate

18 credit hours

CIS 115	Introduction to Computer Information Systems	3
MGD 111	Adobe Photoshop I	3
MGD 112	Adobe Illustrator I	3
MGD 114	Adobe InDesign	3
MGD 141	Web Design I	3
MGD 143	Motion Graphic Design I (Software)	3

### Early Childhood Education - Director Certificate

The Director Certificate is based on the Colorado Department of Human Services, Division of Child Care, and Colorado Community College and Occupational Education System Early Childhood Education requirements for directors of child care centers. Students must complete 33 credits of Childhood Education courses to satisfy the academic requirement. The Division of Child Care also requires 3,640 hours (24 months) of experience working directly with children under first grade in a child development program. Information on Gainful Employment.

#### Certificate Requirements: 33 credits

ECE 101	Introduction to Early Childhood Education	3
ECE 102	Introduction to Early Childhood Education Techniques	3
ECE 103	Guidance Strategies for young Children	3
ECE 111	Infant and Toddler Theory and Practice	3
ECE 205	ECE Nutrition, Health, and Safety	3
ECE 220	Curriculum Development: Methods and Techniques	3
ECE 238	ECE Child Growth & Development	3
ECE 240	Administration of Early Childhood Care and Education Programs	3
ECE 241	Administration: Human Relations for Early Childhood Education	3
ECE 260	The Exceptional Child	3
ECE 288	Practicum: Early Childhood Education	3

### Early Childhood Education - Early Childhood Entry Certificate

Student must complete 6 credit hours of required ECE courses to satisfy the CCA academic requirements. The Division of Child Care requires 6-24 months of verified experience in the care and supervision of four (4) or more children under six (6) years of age who are not related to the individual.

#### Certificate Requirements: 6 credits

ECE 101	Introduction to Early Childhood Education	3
ECE 103	Guidance Strategies for young Children	3

### Early Childhood Education - Early Childhood Infant/Toddler Supervisor Certificate

This program prepares students for infant nursery positions in early childhood care and education settings. In addition to the academic requirements, the Colorado Department of Human Services requires 12 months (1,820 hours) of verifiable work experience working with infants and/or toddlers. Information on Gainful Employment

#### Certificate Requirements: 18 credits

ECE 101	Introduction to Early Childhood Education	3
ECE 103	Guidance Strategies for young Children	3
ECE 111	Infant and Toddler Theory and Practice	3

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ECE 112	Intro to Infant/Toddler Lab Techniques	3
ECE 238	ECE Child Growth & Development	3
ECE 256	Working with Parents, Families, and Community Systems	3

## Early Childhood Teacher Certificate

This program is designed to prepare students to work with young children in environments that support a child's individual physical, cognitive, and social-emotional development, by offering students an understanding of programs and curricula appropriate for young children. By completing this program students will be prepared to work in numerous early childhood care and education settings as a qualified early childhood teacher (CDHS 7.703.44). In addition to the academic requirements, the Colorado Department of Human Services requires nine months (1.395 hours) of verifiable work experience.

Information on Gainful Employment.

### Certificate Requirements: 21 credits

ECE 101	Introduction to Early Childhood Education	3
ECE 102	Introduction to Early Childhood Education Techniques	3
ECE 103	Guidance Strategies for young Children	3
ECE 188	Practicum: Early Childhood Education	3
ECE 205	ECE Nutrition, Health, and Safety	3
ECE 220	Curriculum Development: Methods and Techniques	3
ECE 238	ECE Child Growth & Development	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.

### Certificate Requirements: 12 credits

EMS 121	EMT Fundamentals	3
EMS 122	EMT Medical Emergencies	4
EMS 123	EMT Trauma Emergencies	2
EMS 124	EMT Special Considerations	2
EMS 170	EMT-Clinical	1

Contact the EMS Dept. for information at 303-340-7070 or [cindy.smith@ccaaurora.edu](mailto:cindy.smith@ccaaurora.edu)

## Emergency Medical Technician-Paramedicine 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 121, EMS 122, and EMS 123, EMS 124 and EMS 170 and earn the EMT Emphasis Certificate at CCA. Enrollment in Paramedic level courses require Colorado EMT IV, CPR certifications and BIO 106.

### Gainful Employment Information

The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://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](http://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](http://www.coaemsp.org)

### Certificate Requirements: 45 credits

EMS 225	Fundamentals of Paramedic Practice	3
EMS 226	Fundamentals of Paramedic Practice - Lab	2
EMS 227	Paramedic Special Considerations	3
EMS 228	Paramedic Special Considerations - Lab	2
EMS 229	Paramedic Pharmacology	3
EMS 230	Paramedic Pharmacology - Lab	2
EMS 231	Paramedic Cardiology	5
EMS 232	Paramedic Cardiology - Lab	1
EMS 233	Paramedic Medical Emergencies	4
EMS 234	Paramedic Medical Emergencies - Lab	1
EMS 235	Paramedic Trauma Emergencies	4
EMS 236	Paramedic Trauma Emergencies - Lab	1
EMS 237	Paramedic Internship Preparatory	2
EMS 280	Paramedic Internship I	6
EMS 281	Paramedic Internship II	6

## Film Video Media: Acting/Directing for the Screen Certificate

In this selective entry certificate program, students will explore many tools for honing and enriching their craft. It is the mission of the Acting faculty at Colorado Film School 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. The approach of the acting faculty at CFS encourages students to discover each character within themselves, bringing honesty and specificity to each moment. The program also focuses on Boulgakova's techniques that train actors to emerge from each character safely and to work as strong members of any ensemble. Students who complete the program will understand the Stanislavski system and techniques, they'll understand how film works, and they'll have a professional acting portfolio to begin auditioning in the industry. They'll be equipped to work on any film or television set in the world.

**Certificate Requirements: 48 credits**

**Gainful Employment**

**General Education: 3 credits**

**English**

ENG 121	English Composition I (GT-CO1)	3
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**Film Video Media Core: 15 credits**

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

**Acting for the Screen: 30 credits**

FVM 118	Screen Actor Improvisation	3
FVM 155	Writing the Short Script	3
FVM 200	Video Production II	3
FVM 207	Directing Workshop	3
FVM 211	Studio Recording for Voice	3
FVM 217	Acting for the Screen	3
FVM 218	Actor Movement and Action	3
FVM 228	Actor Movement & Action II	3
FVM 251	Feature Script Analysis	3
FVM 222	Writing the Web Series	3
	OR	
FVM 243	Writing for Interactive Games	3

**Film Video Media: Cinematography/Videography Certificate**

In this selective entry certificate program, Cinematography majors are taught to visualize a movie while working with the Director and Art Department provoke an emotional response of the audience - the essence of why people go to see films. At CFS you will get your hands on a wide variety of cameras including motion picture film and the Red 4K camera system. By working with other disciplines, a Cinematography major explores a wide range of filmmaking gaining skills in dramatic narrative, documentary filmmaking and the latest in green-screen effects photography.

**Certificate Requirements: 48 credits Gainful Employment**

**General Education: 3 credits**

**English**

ENG 121	English Composition I (GT-CO1)	3
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**Film Video Media Core: 15 credits**

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3

FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

**Cinematography Videography Emphasis: 30 credits**

FVM 153	Introduction to Film Production	3
FVM 185	The Documentary Film	3
FVM 200	Video Production II	3
FVM 205	Camera Techniques	3
FVM 206	Film/Video Lighting	3
FVM 213	Cinematography	3
FVM 220	16MM/HD Production	3
FVM 221	Commercial Media Production	3
FVM 223	Color Grading	3
FVM 273	Professional Documentary Production	3

**Film Video Media: Post-Production Certificate**

This selective entry certificate program helps prepare students to become great editors that find work. Traditionally, we teach the very latest in Final Cut editing software. We also work with Avid, Motion and Color, and train our students in Sound Design, Color Correction, DVD Authoring, Animation, Photoshop, Maya and Nuke through a variety of specialized programs. Most importantly we give our editors the skills to adapt in the fast-paced, ever changing world of media.

**Certificate Requirements: 48 credits Gainful Employment**

**General Education: 3 credits**

**English**

ENG 121	English Composition I (GT-CO1)	3
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**Film Video Media Core: 15 credits**

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

**Post-Production Emphasis: 30 credits**

FVM 163	Digital Editing: Premiere	3
FVM 164	Digital Editing: Final Cut Pro	3
FVM 165	Digital Editing: Avid	3
FVM 200	Video Production II	3
FVM 208	Sound for Film/Video	3
FVM 215	Post-Production II	3
FVM 223	Color Grading	3
	OR	
FVM 263	Digital Compositing	3
	OR	
FVM 267	Editing Aesthetics	3

FVM 248	Post-Production Sound	3
FVM 264	Digital Effects	3
FVM 287	Internship	3

## Film Video Media: Screenwriting Certificate

In this selective entry certificate program, Screenwriting majors create short film scripts that they can market to producers and directors through TheiaSys as well as TV pilots, web series, TV spec scripts and features are created in focused courses that stress process, structure and character development. At CFS, story is king, so our most talented writers have a strong fan base. A CFS Screenwriting major can graduate with a treasure trove of scripts to market to series and feature producers and financiers.

**Certificate Requirements: 48 credits** Gainful Employment

### General Education: 3 credits

#### English

ENG 121	English Composition I (GT-CO1)	3
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### Film Video Media Core: 15 credits

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

### Screenwriting Emphasis: 30 credits

#### Choose any one from the list below (FVM 181 - FVM 188):

FVM 181	Topics in Film Studies	3
FVM 183	Italian Neo-Realism and French New Wave Cinema	3
FVM 184	Landmarks of Cinema	3
FVM 185	The Documentary Film	3
FVM 186	The Horror Film	3
FVM 187	The Science Fiction Film	3
FVM 188	The Comedy Film	3

FVM 118	Screen Actor Improvisation	3
FVM 155	Writing the Short Script	3
FVM 202	Film/Video Business OR	3
FVM 216	Producing the Independent Film	3
FVM 236	Creative Producing	3
FVM 222	Writing the Web Series OR	3
FVM 232	Writing the TV Pilot OR	3

FVM 242	Writing the TV Spec Script OR	3
FVM 243	Writing for Interactive Games	3
FVM 251	Feature Script Analysis	3
FVM 252	Writing the Independent Film OR	3
FVM 262	Writing the Hollywood Feature	3
FVM 268	Feature Rewrites Workshop	3
FVM 269	Screenwriter's Workshop	3

## Film Video Media: Writing/Directing Certificate

The selective entry Writing / Directing certificate 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 postproduction. 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: 48 credits** Gainful Employment

### General Education: 3 credits

#### English

ENG 121	English Composition I (GT-CO1)	3
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### Film Video Media Core: 15 credits

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

### Writing/Directing Emphasis: 30 credits

FVM 118	Screen Actor Improvisation OR	3
FVM 206	Film/Video Lighting OR	3
FVM 217	Acting for the Screen	3
FVM 155	Writing the Short Script	3
FVM 200	Video Production II	3
FVM 202	Film/Video Business	3
FVM 205	Camera Techniques	3
FVM 207	Directing Workshop	3
FVM 215	Post-Production II	3
FVM 220	16MM/HD Production	3

FVM 251	Feature Script Analysis	3
FVM 222	Writing the Web Series OR	3
FVM 232	Writing the TV Pilot OR	3
FVM 242	Writing the TV Spec Script OR	3
FVM 243	Writing for Interactive Games	3

FVM 273	Professional Documentary Production OR	3
FVM 287	Internship	3

## Financial Services: Banking Essentials Certificate

Banks and credit unions are in need of entry-level banking professionals. This program will prepare you to work in entry-level positions as a teller. You will learn the role of savings institutions in the financial services industry and how to process cash payments. You will also learn basic workplace skills and customer service.

Gainful Employment

### Financial Services: Banking Essentials Certificate: 16 Credits

BTE 108	Ten-Key by Touch	1
BUS 121	Basic Workplace Skills	1
BUS 217	Business Communication and Report Writing	3
FIN 105	Principles of Banking	3
FIN 115	Retail Banking	2
FIN 125	Teller Training	1
FIN 255	Selling Bank Products	2
MAR 160	Customer Service	3

## Film Video Media: Writing/Producing Certificate

In this selective entry certificate program, 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. Then assemble and collaborate with key creative artists to form a combined vision through a project's development, pre-production, production and post-production. Filmmakers will perfect both the creative and business aspects of filmmaking by enhancing and developing artistic proficiency and judgment and becoming immersed in a solid background of the entertainment industry. Certificate Requirements: 48 credits Gainful Employment Information

### General Education: 3 credits

#### English

ENG 121	English Composition I (GT-CO1)	3
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### Film Video Media Core: 15 credits

FVM 105	Video Production I	3
FVM 117	Understanding the Actor's Process	3
FVM 136	Short Script Analysis	3
FVM 150	Development of Film Expression	3
FVM 160	Video Post-Production I	3

### Writing/Producing Emphasis: 30 credits

FVM 155	Writing the Short Script	3
FVM 200	Video Production II	3
FVM 202	Film/Video Business	3
FVM 209	Production Management	3
FVM 216	Producing the Independent Film	3
FVM 220	16MM/HD Production	3
FVM 236	Creative Producing	3
FVM 251	Feature Script Analysis	3
FVM 222	Writing the Web Series OR	3
FVM 232	Writing the TV Pilot OR	3
FVM 242	Writing the TV Spec Script OR	3
FVM 243	Writing for Interactive Games	3

## Financial Services: Supervision Fundamentals Certificate

This program will prepare you for intermediate-level positions in the financial services industry. Example job titles include lead teller, product/sales consultant, or supervisor/manager. You will learn skills in analysis and management to fill mid-level positions in the industry.

Gainful Employment

### Financial Services: Supervision Fundamentals Certificate: 16 Credits

ACC 121	Accounting Principles I	4
CIS 155	PC Spreadsheet Concepts (Excel)	3
MAN 116	Principles of Supervision	3
MAN 215	Organizational Behavior	3
MAN 225	Managerial Finance	3

## Fire Science Technology Certificate

This selective entry certificate program is designed for students that are about to enter the fire service career field. It is also for someone who is already employed in fire service and is seeking advanced opportunities. Please note you must first apply to CCA and then contact the FST program or an advisor for next steps.

## Certificate Requirements: 31 credits

FST 100	Firefighter I	9
FST 102	Principles/Emergency Services	3
FST 109	Occupational Safety and Health for Fire	3
FST 209	Fire Protection Systems	3
FST 105	Building Construction for Fire Protection	3
FST 106	Fire Prevention	3
FST 107	Hazardous Materials Operations (Level I)	3
FST 170	Clinical I	1
FST 253	NIMS	3

## Fundamentals of Fire Science Certificate

This selective entry certificate program is designed for students to take the Colorado Firefighter I (CO. FFI) certification test. The CO. FFI 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. Gainful Employment.

### Certificate Requirements: 17 credits

FST 100	Firefighter I	9
FST 102	Principles/Emergency Services	3
FST 107	Hazardous Materials Operations (Level I)	3
FST 170	Clinical I	1
PED 110	Fitness Center Activity I	1

## Health Care: 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.

### Required Courses:

#### Certificate Requirements: 5 credits

NUA 101	Nurse Aide Health Care Skills	4
NUA 170	Nurse Aide Clinical Experience	1

## Health Care: 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. Information on Gainful Employment.

### Patient Care Technician Requirements: 21 credits

HPR 101	Customer Service in Health Care	2
HPR 106	Law & Ethics for Health Professionals	2
HPR 112	Phlebotomy	4
HPR 119	Computers in Health Care	2
HPR 178	Medical Terminology	3
HPR 180	Internship (Phlebotomy)	3
NUA 101	Certified Nurse Aide Health Care Skills	4
NUA 170	Nurse Aide Clinical Experience	1

## Health Care: Patient Representative

The Patient Representative certificate program provides graduates with a foundation in healthcare navigation and allows them to access good entry level jobs in call centers, dispatch centers, and other areas where familiarity and comfort in working in healthcare administration and navigation is required. The program will assist students in gaining employment after a relatively short period of education.

Gainful Employment Information

### Patient Representative Certificate Requirements: 17 credits

HPR 101	Customer Service in Health Care	2
HPR 104	Health Career Opt & Readiness	1
HPR 105	Health Finance Matters	1
HPR 106	Law & Ethics for Health Professionals	2
HPR 119	Computers in Health Care	2
HPR 178	Medical Terminology	3
CIS 118	Introduction to PC Applications	3
COM 125	Interpersonal Communication	3

## Health Care: 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.

**Required Courses:****Certificate Requirements: 7 credits**

HPR 112	Phlebotomy	4
HPR 180	Internship (Phlebotomy)	3

**Logistics Certificate: Inventory Management**

This program will prepare you to work in the area of inventory management. A few job title examples are demand planner, inventory control analyst, and inventory business operator. You will learn inventory tracking and scheduling, inventory reporting, real-time product positioning, process controls, and inventory software. Upon completion you will know MS Excel, customer service, problem solving, recognizing changes to demand flow, and anticipating inventory needs. The cost of this program includes industry exams. Three SCPro industry certification exams in Customer Service Operations, Inventory Management, and Demand Planning are included.

Gainful Employment

**Logistics Certificate: Inventory Management: 16 credits**

BTE 125	Records Management	3
BUS 201	Business Logistics Optimization	3
CIS 155	PC Spreadsheet Concepts (Excel)	3
COM 268	Problem-Solving	1
MAR 160	Customer Service	3
MAT 107	Career Mathematics	3

**Logistics Certificate: Purchasing and Procurement**

This program will prepare you to work in the area of purchasing and procurement. A few job title examples are purchasing agent, contracts manager, buying agent, and government procurement officer. You will learn contract writing, planning and forecasting purchases, preparing purchase orders, maintaining records, and negotiation techniques. Upon completion you will know MS Excel, customer service, problem solving, bid writing, and legal aspects of the field. The cost of this program includes industry exams. Two SCPro industry certification exams in Customer Service Operations and Supply Management & Procurement are included.

Gainful Employment

**Logistics Certificate: Purchasing and Procurement: 16 credits**

BUS 202	Business Purchasing, Supply, and Sourcing Logistics	3
CIS 155	PC Spreadsheet Concepts (Excel)	3
COM 268	Problem-Solving	1
MAN 225	Managerial Finance	3
MAR 160	Customer Service	3
MAT 107	Career Mathematics	3

**Logistics Certificate: Warehouse Operations**

This program will prepare you to work in warehouse operations. A few job title examples are warehouse operator, floor manager, and logistics technician. You will learn warehouse functions, logistics management, process controls, and inventory tracking. Upon completion you will know MS Excel, customer service, problem solving, and recognizing efficiencies. The cost of this program includes industry exams. Three SCPro industry certification exams in Customer Service Operations, Transportation Operations, and Warehouse Operations are included.

Gainful Employment

**Logistics Certificate: Warehouse Operations: 16 credits**

CIS 155	PC Spreadsheet Concepts (Excel)	3
COM 266	Decision Making	1
COM 268	Problem-Solving	1
MAN 105	Logistics Management	3
MAN 168	Basic Process Controls	2
MAR 160	Customer Service	3
MAT 107	Career Mathematics	3

**Music and Entertainment Entrepreneurship Music Performance Certificate**

This certificate program will prepare students for entry level work or to launch a new music entertainment performance or production business and/or career. Topics range from performance skills to music business to audio production to music making.

Gainful Employment

**Music and Entertainment Entrepreneurship Common Core: 21 credits****Music and Entertainment Entrepreneurship Common Core**

MUS 107	Entrep/Artistry for Musicians	3
MUS 163	Music Audio Production I	3
MUS 164	Music Audio Production II	3
MUS 167	Music Business I	3
MUS 169	Project Management for Musicians	3
MUS 263	Music Publishing	3
MUS 267	Music Marketing Strategies	3

**Performance Emphasis: 23 credits****Performance Emphasis**

MUS 100	Introduction to Music Theory I	3
MUS 110	Music Theory I	3
MUS 111	Music Theory II	3
MUS 112	Ear Training/Sight Singing Lab I	1
MUS 113	Ear Training/Sight Singing Lab II	1
MUS 141	Private Instruction	2
MUS 142	Private Instruction	1-2



MUS 143	Private Instruction	1-2
MUS 144	Private Instruction	1-2
MUS 151	Ensemble I	1
MUS 152	Ensemble II	1
MUS 153	Ensemble III	1
MUS 154	Ensemble IV	1
MUS 260	The Business of Live Music Performance	3

## Music and Entertainment Entrepreneurship Music Producer Certificate

This certificate program will prepare students for entry level work or to launch a new music entertainment audio business and/or career. Topics range from audio production to music business to music making. Students will have access to current tech and hands-on experiences.

Gainful Employment

### Music and Entertainment Entrepreneurship Common Core: 21 credits

#### Music and Entertainment Entrepreneurship Common Core

MUS 107	Entrep/Artistry for Musicians	3
MUS 163	Music Audio Production I	3
MUS 164	Music Audio Production II	3
MUS 167	Music Business I	3
MUS 169	Project Management for Musicians	3
MUS 263	Music Publishing	3
MUS 267	Music Marketing Strategies	3

### Producer Emphasis: 23 credits

#### Producer Emphasis

MUS 100	Introduction to Music Theory I	3
MUS 110	Music Theory I	3
MUS 112	Ear Training/Sight Singing Lab I	1
MUS 141	Private Instruction	1-2
MUS 168	Audio Post Production I	3
MUS 261	Advanced Music Audio Production	3
MUS 262	Developing a Producer's Ear	3
MUS 265	Live Audio Engineering	3
MUS 268	Audio Post Production II	3

## Paralegal Certificate

- In order to meet ABA requirements, only certain online Paralegal courses are applicable to this certificate. (Exceptions: PAR 209 at CCA only, and any listed in the CCA schedule offered at CCA only. Consult the Program Coordinator before taking any online class other than PAR 209.)
- 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 this degree with the paralegal certificate.
- You must apply for graduation on the website or at Enrollment Services prior to your final semester.

#### Certificate Information

This program, approved by the American Bar Association (ABA), combines an understanding of legal principles, legal analysis, and ethical considerations with practical applications.

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. Paralegals are not authorized to practice law in any way, as the practice of law is restricted to persons who are licensed by this or any other state. Any act that requires a legal license to perform, unless otherwise authorized by applicable court rules, constitutes unauthorized practice of law.

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) an additional 30 semester hours of academic coursework, including 18 hours of general education, and ENG 121, or the equivalent.**

All students must consult with the Public Service Program Coordinator during their first semester. Students who have not completed the 30 semester hours of appropriate academic coursework, or received a waiver, must complete the Associate of Applied Science Degree in Management with the Paralegal Emphasis, the Associates of Applied Science - Paralegal Degree, or the Associate of General Studies - Paralegal Degree to receive the Paralegal Certificate. Information on Gainful Employment

Certificate Requirements: 30 credits

### Certificate Emphasis Requirements: 21 credits

PAR 115	Introduction to Law	3
PAR 116	Torts	3
	OR	
PAR 205	Criminal Law	3
PAR 118	Contracts	3
PAR 201	Civil Litigation	3
PAR 213	Legal Research and Writing I	3
PAR 214	Legal Research and Writing II	3
PAR 280	Internship	3
	OR	
PAR 285	Independent Study	3

PAR 116, PAR 205 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 116	Torts	3
PAR 117	Family Law	3
PAR 125	Property Law	3
PAR 205	Criminal Law	3
PAR 206	Business Organizations	3
PAR 207	Current Issues in Law	3
PAR 208	Probate and Estates	3
PAR 209	Constitutional Law	3
PAR 216	Employment Law	3
PAR 227	Immigration Law	3

PAR 275	Special Topics	3
	Any other PAR course that is offered in the schedule	

TRI 205	Simultaneous Interpretation II	3
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PAR 116, PAR 205: Students may take either Torts or Criminal Law to meet the emphasis requirements, or they may take both courses, one as an elective.

## Theatre: Theatre & Event Technology Certificate

This 18 credit certificate in Theatre & Event Technology will prepare students for entry-level job positions in the performing arts, corporate meeting & live event industries. Topics covered include basic shop tool use and safety, concepts in lighting and audio design and technology and cultivating a career in the live event field. Students will have access to state-of-the-art technology in our black box theatre and have ample opportunity to develop their skills through hands-on collaboration and participation.

Gainful Employment Information

### Certificate Requirements: 18 credits

THE 105	Theatre Appreciation (GT-AH1)	3
THE 116	Technical Theatre	3
THE 124	Theatre and Event Tech Careers	3
THE 131	Theatre Production I	3
THE 216	Theatre Lighting and Design	3
THE 226	Theatre Sound Operation and Design I	3

## 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). Information on Gainful Employment

Prerequisites:

1. Provide evidence of proficiency in English with one of the following:
  - a. Completion of ENG 121 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 must attend a mandatory information orientation prior to enrollment. Contact Academic Support Specialist (Lauryn Gangle-Wythe 303-360-4749) for dates and times.

### Certificate Requirements: 23 credits

#### Certificate Requirements: 23 Credits

TRI 101	Introduction to Translation and Interpretation	3
TRI 103	Code of Ethics	2
TRI 104	Business of Translation and Interpretation	3
TRI 201	Consecutive Interpretation I	3
TRI 202	Simultaneous Interpretation I	3
TRI 203	Sight Translation	3
TRI 204	Consecutive Interpretation II	3

## Translation and Interpretation Certificate-Legal

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 additional understanding of legal concepts and terminology to those seeking professional certification as state court interpreters, or plan to work in legal settings.

Gainful Employment Information

Prerequisites:

1. Provide evidence of proficiency in English with one of the following:
  - a. Completion of ENG 121 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 must attend a mandatory information orientation prior to enrollment. Contact Academic Support Specialist (Lauyn Gangle-Wythe 303-360-4749) for dates and times.

### Certificate Requirements: 35 credits

TRI 101	Introduction to Translation and Interpretation	3
TRI 103	Code of Ethics	2
TRI 104	Business of Translation and Interpretation	3
TRI 201	Consecutive Interpretation I	3
TRI 202	Simultaneous Interpretation I	3
TRI 203	Sight Translation	3
TRI 204	Consecutive Interpretation II	3
TRI 205	Simultaneous Interpretation II	3
CRJ 110	Introduction to Criminal Justice (GT:SS3)	3
CRJ 135	Judicial Function	3
CRJ 205	Principles of Criminal Law	3
PAR 117	Family Law	3

## Translation and Interpretation Certificate-Medical

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.

Gainful Employment Information

Prerequisites:

1. Provide evidence of proficiency in English with one of the following:
  - a. Completion of ENG 121 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:

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- 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 must attend a mandatory information orientation prior to enrollment. Contact Department Administrative Assistant (Lauryn Gangle-Wythe 303-360-4749) for dates and times.

**Certificate Requirements: 33 credits**

TRI 101	Introduction to Translation and Interpretation	3
TRI 103	Code of Ethics	2
TRI 104	Business of Translation and Interpretation	3
TRI 201	Consecutive Interpretation I	3
TRI 202	Simultaneous Interpretation I	3
TRI 203	Sight Translation	3
TRI 204	Consecutive Interpretation II	3
TRI 205	Simultaneous Interpretation II	3
BIO 106	Basic Anatomy and Physiology	4
BIO 116	Introduction to Human Disease (GT-SC2)	3
HPR 178	Medical Terminology	3

# COURSES

## AAA - Academic Achievement Courses

### AAA 101 - 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.

Prerequisite: Permission of the Student Success Center.

### AAA 109 - 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.

Prerequisite: Equivalent assessment scores.

## ACC - Accounting Courses

### ACC 115 - 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 ACC 101 or ACC 121 (grade C or higher).

### ACC 121 - Accounting Principles I

4 Credit hours 60 Contact hours

This course introduces accounting principles for understanding the theory and logic that underlie procedures and practices for business organizations. Major topics include the accounting cycle for service and merchandising companies, internal control principles and practices, notes and interest, inventory systems and costing, and plant and intangible asset accounting.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores and successful completion of level MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA 240+, AF 235+, Accuplacer EA 60+, ACT Math 19+, SAT MAT 500+). \*Note: MAT 121 is necessary for students in some degrees including the AA Business and AA Economics programs. These students should not take MAT 120. Please see an academic advisor if you have any questions.\* \*\*Certificate seeking students who do not meet one of these, please contact the Department Chair. .

### ACC 122 - Accounting Principles II

4 Credit hours 60 Contact hours

This course continues the application of accounting principles to business organizations. Major topics include corporate equity and debt financing, investments, cash flow statements, financial analysis, budgeting, cost and managerial accounting.

Prerequisite: Successful completion of ACC 121 or equivalent (grade C or higher).

### ACC 125 - 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 ACC 101 or ACC 121 (grade C or higher).

### ACC 131 - 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.

Prerequisite: Successful completion of ACC 121 (grade C or higher) or equivalent assessment scores.

### ACC 135 - Spreadsheet Applications for Accounting

3 Credit hours 45 Contact hours

This course introduces spreadsheets as an accounting tool. Using an accounting perspective, the student applies fundamental spreadsheet concepts. The spreadsheet is used as a problem solving and decision-making tool.

### ACC 211 - 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 122 or equivalent (grade C or higher).

### ACC 212 - 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 211 (grade C or higher).

### ACC 226 - 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 122 (grade C or higher).

## AEC - Arch Eng/Construction Mgmt Courses

### AEC 107 - 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 121 - 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 216 - 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 226 - 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 231 - 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 236 - 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 101 - Cultural Anthropology (GT-SS3)**

3 Credit hours 45 Contact hours

Studies human cultural patterns and learned behavior. Includes linguistics, social and political organization, religion, culture and personality, culture change, and applied anthropology. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **ANT 107 - 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. Includes a survey of the archaeology of different areas of the Old and New Worlds. Also includes the works of selected archaeologists and discussions of major archaeological theories.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **ANT 111 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **ANT 201 - Introduction to Forensic Anthropology (GT-SS3)**

3 Credit hours 45 Contact hours

Studies the basic principles of forensic anthropology, an applied field within the discipline of physical anthropology. Includes the study of the human skeleton, practical application of physical anthropology and archaeology, and judicial procedure, as they relate to the identification of human remains within a medico-legal context.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **ANT 215 - Indians of North America (GT-SS3)**

3 Credit hours 45 Contact hours

Studies the Indians of North America from 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **ANT 250 - Medical Anthropology (GT-SS3)**

3 Credit hours 40-45 Contact hours

Studies the basic principles of medical anthropology, an applied field within the discipline of cultural anthropology. Includes the cross-cultural study of practices and beliefs regarding illness, health, death, prevention and therapy; and the interaction of the medical systems between Western and other cultures.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **ANT 275 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

## **ART - Art, Design, Jewelry and Photography**

### **ART 110 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **ART 111 - 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: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **ART 112 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **ART 117 - 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 121 - 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 128 - Figure Drawing I**

3 Credit Hours 90 Contact Hours

Introduces the basic techniques of drawing the human figure.

Prerequisite: Successful completion of ART 121 (grade C or higher).

#### **ART 131 - 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 132 - Visual Concepts 3-D Design**

3 Credit Hours 90 Contact Hours

Focuses on learning to apply the elements and principles of design to three-dimensional problems.

Prerequisite: Successful completion of ART 131 (grade C or higher) or Chair Approval.

#### **ART 133 - Jewelry and Metalwork I**

3 Credit Hours 60 Contact Hours

Introduces the construction of jewelry designs in metals and small casting techniques.

#### **ART 134 - Visual Concepts 4-D Design**

3 Credit Hours 90 Contact Hours

Explores the artistic possibilities of time and movement in art and design. Students will be introduced to various methods and mediums as they apply the principles of design to time-based art and design projects. Students will be challenged to develop conceptually through individual and collaborative projects that may include flip-book animations, claymation, stop-motion animation, cinemagraphs, video, or performance art. Collaborative and creative problem solving skills will be encouraged.

Prerequisite: Successful completion of ART 131 (grade C or higher).

#### **ART 139 - 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 151 - 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.

Prerequisite: Successful completion of ART 121 (grade C or higher).

#### **ART 161 - Ceramics I**

3 Credit Hours 90 Contact Hours

Introduces traditional and contemporary ceramic forms and processes including hand building and throwing on the potter's wheel.

#### **ART 207 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

#### **ART 221 - 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 121 (grade C or higher).

#### **ART 228 - 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 128 (grade C or higher).

#### **ART 239 - Digital Photography II**

3 Credit hours 45 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 139 (grade C or higher).

#### **ART 251 - 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 151 (grade C or higher).

#### **ART 275 - 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.

## **ASE - Diesel Power Mechanics Courses**

#### **ASE 120 - Basic Vehicle Electricity**

2 Credit hours 33.75 Contact hours

Introduces vehicle electricity and includes basic electrical theory, circuit designs, and wiring methods. Focuses on multi-meter usage and wiring diagrams.

Prerequisite: Successful completion of DPM 100 and DPM 101 (grade C or higher).

#### **ASE 123 - Battery, Starting, Charging Systems**

2 Credit hours 37.5 Contact hours

Covers the operation, testing, and servicing of vehicle battery, starting, and charging systems. Includes voltage and amperage testing of starter and generator, load testing and maintenance of a battery, and starter and generator overhaul.

Prerequisite: Successful completion of DPM 100, DPM 101, and ASE 120 (grade C or higher).

#### **ASE 221 - Auto/Diesel Body Electrical**

4 Credit hours 75 Contact hours

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

Prerequisite: Successful completion of DPM 100 and DPM 101, ASE 120 (grade C or higher).

## **ASL - American Sign Language (ASL) Courses**

#### **ASL 121 - 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: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

#### **ASL 122 - 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 121 (grade C or higher) or passing the ASL Proficiency Exam or permission by department chair.

### **ASL 123 - 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 122 with more emphasis on expressive skills in signing.

Prerequisite: Successful completion of ASL 122 (grade C or higher).

### **ASL 175 - Special Topics**

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 221 - American Sign Language IV**

3 Credit hours 45 Contact hours

Continues from ASL 123 to provide further study of American Sign Language (ASL) and its grammar, syntax and cultural features. Helps students develop competency and fluency in the language. Variations in ASL are addressed.

Prerequisite: Successful completion of ASL 123 (grade C or higher) or permission by the Department Chair.

### **ASL 275 - 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: Permission by the Instructor.

## **AST - Astronomy Courses**

### **AST 101 - Astronomy I with 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: Successful completion of CCR 092, CCR 093, CCR 094 or higher (grade C or higher) or equivalent assessment scores and Successful completion of MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA 240+, AF 235+, Accuplacer EA 60+, ACT Math 19+, SAT Math 500+).

### **AST 102 - Astronomy II with 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: Successful completion of CCR 092, CCR 093, CCR 094 or higher (grade C or higher) or equivalent assessment scores and Successful completion of MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA 240+, AF 235+, Accuplacer EA 60+, ACT Math 19+, SAT Math 500+).

## **BIO - Biology Courses**

### **BIO 105 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **BIO 106 - Basic Anatomy and Physiology**

4 Credit hours 90 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **BIO 111 - General College Biology I with 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: Successful completion of CCR 092, CCR 093, CCR 094 or higher (grade C or higher) or equivalent assessment scores and Successful completion of MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA 240+, AF 235+, Accuplacer EA 60+, ACT MAT 19+, SAT MAT 500+).

### **BIO 112 - General College Biology II with 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: Successful completion of BIO 111 (grade C or higher).

### **BIO 116 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **BIO 201 - 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 111 (grade C or higher) or equivalent or permission of Department Chair.

### **BIO 202 - 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 201 (grade C or higher).

**BIO 204 - 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 111 or BIO 201 (grade C or higher).

**BIO 216 - Human Pathophysiology**

4 Credit hours 75 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 201 and BIO 202 (grade C or higher).

**BIO 275 - 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.

Prerequisite: Successful completion of BIO 111 (grade C or higher) or equivalent or permission of the Department Chair.

**BTE - Business Technology Courses****BTE 108 - Ten-Key by Touch**

1 Credit hour 15 Contact hours

Introduces touch control of the ten-key pad. Emphasizes the development of speed and accuracy using proper technique.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**BTE 125 - Records Management**

3 Credit hour 45 Contact hours

Instructs on how records are created, stored, and retrieved. Covers the basic filing rules - classifying, indexing, coding, storing, and retrieving as applied to basic methods - alphabetic, chronological, subject, numeric, and geographic. Emphasizes 'hands-on' records management through the use of simulations, which includes manual and/or computer software.

Prerequisite: Successful completion of BUS 201 (grade C or higher).

**BTE 225 - Office Management**

3 Credit hour 45 Contact hours

Emphasis is placed on functions of the office. Includes office organization, work in the office, office layout, equipment and supplies, procurement and control, work flow, forms design, record storage and retrieval systems, personnel administration and problems, and government control.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**BUS - Business Courses****BUS 115 - Introduction to Business**

3 Credit hours 45 Contact hours

Focuses on the operation of the American business system. Covers fundamentals of the economy, careers and opportunities, marketing, management, production, governmental regulations, tools of business and social responsibilities.

Prerequisite: Successful completion of CCR 092, (grade C or higher) or equivalent assessment scores.

**BUS 117 - Business Writing**

1 Credit Hour 15 Contact Hours

Introduces the business writing process. Topics include writing business memos and letters, email, good and bad news messages, persuasive messages, reports and proposals, graphics in writing, electronic presentations, and proofreading.

**BUS 121 - Basic Workplace Skills**

1 Credit hour 15 Contact hours

Examines techniques for communicating effectively on the job including both verbal and written communication; identifies the roles of individuals and companies and necessary critical thinking and problem solving skills; examines relationship skills, effective self-presentation, and workplace issues such as sexual harassment, stress, and substance abuse.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**BUS 181 - 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 201 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent test scores.

**BUS 202 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent test scores.

**BUS 216 - 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 devoted to economic regulation, social regulation, regulation and laws impacting labor-management issues, and environmental concerns. Students develop an understanding of the role of law in social, political, and economic change.

Prerequisite: Successful completion of BUS 115 (grade C or higher).

**BUS 217 - 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.

Prerequisite: Successful completion of BUS 115 or FIN 105 (grade C or higher).



## **BUS 226 - Business Statistics**

**3 Credit hours 45 Contact hours**

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

Prerequisite: Successful completion of BUS 115 and ACC 121 or MAT 121 (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AF 245+, Accuplacer EA 085+, ACT Math 23+, SAT Math 550+).  
\*\*Certificate seeking students who do not meet one of these, please contact the department chair.

## **CAD - Computer Assisted Drafting Courses**

### **CAD 256 - 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 257 - SolidWorks Intermediate**

**6 Credit hours 90 Contact hours**

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

## **CCR - English Courses**

### **CCR 092 - College Reading and Composition**

**5 Credit hours 75 Contact hours**

Integrates and contextualizes college level reading and writing. Students will read and understand complex materials and respond to ideas and information through writing informative and/or persuasive texts.

Prerequisite: Appropriate assessment scores. Corequisite: AAA 109.

### **CCR 094 - Studio 121**

**3 Credit hours 45 Contact hours**

Integrates and contextualizes reading and writing strategies tailored to co-requisite ENG 121 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 CCR 094 is required to co-enroll in ENG 121.

Prerequisite: Appropriate assessment scores. Corequisite: ENG 121.

## **CHE - Chemistry Courses**

### **CHE 101 - Introduction to Chemistry I with Lab (GT-SC1)**

**5 Credit hours 90 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: Successful completion of CCR 094 (grade C or higher) or equivalent assessment scores and Successful completion of MAT 121 (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AF 245+, Accuplacer EA 85+, ACT Math 23+, SAT Math 550+).

### **CHE 111 - 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: Successful completion of CHE 101 (grade C or higher) or one year of high school chemistry AND MAT 121 (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AF 280+, Accuplacer CM 63+, ACT Math 24+, SAT Mat 560+).

### **CHE 112 - 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, 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 111 (grade C or higher).

### **CHE 211 - 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, stereo chemistry, 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 112 (grade C or higher).

### **CHE 212 - 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 aromatics 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 211 (grade C or higher).

## **CIS - Computer Information Systems Courses**

### **CIS 115 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **CIS 118 - 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.

Prerequisite: Successful completion of CCR 092 or equivalent assessment scores.

### **CIS 128 - Intro to Operating Systems**

**3 Credit hour 45 Contact hours**

Introduces the functions and capabilities of Microsoft Windows. Includes configuring and modifying the operating system environment.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**CIS 135 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**CIS 145 - Complete PC Database (Access)**

3 Credit hour 45 Contact hours

Explores a complete array of database skills. Includes table, query, form, and report creation and modification. Other topics include application integration and automation of database tasks within the database.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**CIS 155 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**CIS 165 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**CIS 202 - Automated Project Management: MS Project**

3 Credit hour 45 Contact hour

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 128 (grade C or higher) or department approval.

**CIS 203 - Technology for Career Success**

2 Credit hour 30 Contact hour

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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**CIS 223 - 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.

Prerequisite: Successful completion of CIS 128 (grade C or higher).

**CIS 243 - Introduction to SQL**

3 Credit hour 45 Contact hours

Introduces students to Structured Query Language (SQL). Students learn to create database structures and store, retrieve and manipulate data in a relational database. Students create tables and views, use indexes, secure data, and develop stored procedures and triggers.

Prerequisite: Successful completion of CIS 145 (grade C or higher) or CSC 119 (grade C or higher).

**CIS 263 - 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.

Prerequisite: Successful completion of CNG 121 (grade C or higher).

**CIS 267 - 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.

Prerequisite: Successful completion of CIS 115 or CNG 101 (grade C or higher).

**CIS 268 - Systems Analysis and Design I**

3 Credit hour 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.

Prerequisite: Successful completion of CNG 101 (grade C or higher).

**CIS 280 - 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.

**CIS 289 - Capstone**

0-12 Credit hour 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: Successful completion of CSC 161 or CSC 237 (grade C or higher) and Department approval.

## CNG - Computer Networking Technology Courses

**CNG 101 - 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).

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Prerequisite: Successful completion of CCR 092 (grade C or higher).

### **CNG 121 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores. Corequisite: CNG 122.

### **CNG 122 - 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 CCR 092 (grade C or higher) or equivalent assessment scores. Corequisite: CNG 121.

### **CNG 124 - Networking: 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.

Prerequisite: Successful completion of CNG 101 (grade C or higher).

### **CNG 131 - 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.

Prerequisite: Successful completion of CNG 101 (grade C or higher).

### **CNG 132 - 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 CNG 101 (grade C or higher).

### **CNG 142 - Intro to Cloud Computing**

3 Credit hour 45 Contact hours

Educates students on the differences between today's PC / server based networks and cloud computing. Students investigate the benefits of cloud computing, cloud models and solutions, and deployment methods. Students study hardware, storage, thin clients and virtualization in the cloud. The course also introduce students to cloud applications and cloud-based office productivity software. Students learn how they can apply cloud computing to address corporate information technology challenges.

Prerequisite: Successful completion of CNG 101 (grade C or better).

### **CNG 211 - 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 CIS 128 (grade C or higher).

### **CNG 256 - 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 132 (grade C or higher).

### **CNG 257 - 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 132 (grade C or higher).

### **CNG 260 - CISCO Network Associate I**

5 Credit hours 75 Contact hours

Introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. Includes IP addressing and fundamentals of Ethernet concepts, media and operations.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores. .

### **CNG 261 - CISCO Network Associate II**

5 Credit hours 75 Contact hours

Introduces the architecture, components, and operations of routers and switches.

Prerequisite: Successful completion of CNG 260 (grade C or higher).

### **CNG 262 - CISCO Network Associate III**

5 Credit hours 75 Contact hours

Explores the architecture, components and operations of routers and switches in a large and more complex network with advanced functionality.

Prerequisite: Successful completion of CNG 261 (grade C or higher).

### **CNG 263 - CISCO Network Associate IV**

5 Credit hours 75 Contact hours

Implements WAN technologies and network services required by converged applications in a complex switched and routed networks.

Prerequisite: Successful completion of CNG 262 (grade C or higher).

## **COM - Communication Courses**

### **COM 115 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**COM 125 - Interpersonal Communication****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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**COM 217 - Group Communication****3 Credit hours 45 Contact hours**

Examines group communication theories with emphasis on leadership and group behaviors. Provides opportunities for group participation.

Prerequisite: Successful completion of COM 115 or COM 125 (grade C or higher).

**COM 220 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**COM 225 - 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.

Prerequisite: Successful completion of COM 115 (grade C or higher).

**COM 226 - 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 262 - 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 263 - 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 265 - 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 266 - 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 268 - 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.

Prerequisite: CCR 092 (grade C or higher) or equivalent assessment scores.

**COM 280 - 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: Successful completion of COM 115 or COM 125 (grade C or better) and department permission.

**CRJ - Criminal Justice Courses****CRJ 110 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores or Permission of the Program Coordinator.

**CRJ 125 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores or Permission of the Program Coordinator.

**CRJ 127 - 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.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores or Permission of the Program Coordinator.

**CRJ 135 - 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

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores or Permission of the Program Coordinator and CRJ 110 (grade C or higher).

**CRJ 145 - Correctional Process****3 Credit hours 45 Contact hours**

Examines the history and total correctional process from law enforcement through the administration of justice, probation, prisons, correctional institutions, and parole. Also examines the principles, theories, phenomena and problems of the crime, society, and the criminal justice system from the perspective of criminology and the criminal justice system in general. Emphasizes the role of sociology and other interdisciplinary approaches to the field of corrections and society's response.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores or Permission of the Program Coordinator.

### **CRJ 205 - 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.

Prerequisite: Successful completion of CRJ 110 (grade C or higher) or Permission of Program Coordinator.

### **CRJ 209 - 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.

Prerequisite: Successful completion of CRJ 110 (grade C or higher) or Permission of Chair/Coordinator.

### **CRJ 210 - 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.

Prerequisite: Successful completion of CRJ 110 (grade C or higher) or Permission of Program Coordinator.

### **CRJ 220 - 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.

Prerequisite: Successful completion of CRJ 110 (grade C or higher) or Permission of Program Coordinator.

### **CRJ 230 - 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. Within a social context, consideration is given to how theories have emerged and understand how social context contributes to explanations of crime. Examination of the nature of crime, crime victimization, crime patterns, types of crime, crime statistics, and criminal behavior is also included.

Prerequisite: Successful completion of CRJ 110 (grade C or higher) or Permission of Program Coordinator.

### **CRJ 236 - CRJ Research Methods**

**3 Credit hours 45 Contact hours**

Provides an introduction to research methods in criminal justice. Addresses foundations of research, analysis of findings, and ethical issues in researching criminal justice issues. This course will use an interactive approach in basic research concepts and practices. Students will obtain a thorough understanding of how research is conducted and how practitioners can benefit from this knowledge. Additionally, students will develop research proposals, conduct appropriate reviews of previously published research, and write a final research study.

Prerequisite: Successful completion of CRJ 110 (grade C or higher) or Permission of Program Coordinator.

### **CRJ 257 - 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 268 - Criminal Profiling**

**3 Credit hours 45 Contact hours**

Examines theories of crime causation with respect to crimes committed by the most violent offenders in society. an analysis of the research done, and the history of Criminal Personality Profiling, beginning with the earliest explanations through the beliefs of modern science, as well as psychological and sociological explanations. Identifies various known offenders, examines their backgrounds, and explains how current research into homicide, sexual offenses and serial killers can provide clues to the identity of unknown offenders.

### **CRJ 275 - 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 280 - Internship**

**1-12 Credit hours 15-270 Contact hours**

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

Prerequisite: Permission of the Department Chair or Program Coordinator.

### **CRJ 285 - 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: Permission of the Department Chair or Program Coordinator.

### **CRJ 286 - 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: Permission of the Department Chair or Program Coordinator.

## **CSC - Computer Science Courses**

### **CSC 119 - 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.

Prerequisite: Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores and placement into MAT 093 & MAT 121 or successful completion of MAT 121 (grade C or higher) or qualifying assessment scores (Accuplacer Next Generation NGQA 240+ or NGAF 235+ or Accuplacer EA 60+, ACT Math 19+, SAT Math 500+).

### **CSC 160 - 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 119 or MAT 201 (grade C or higher).

### **CSC 161 - 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 160 (grade C or higher).

**CSC 165 - 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 CSC 161 (grade C or better).

**CSC 225 - Computer Architecture/Assembly Language Programming**

4 Credit Hours 60 Contact Hours

Introduces concepts of computer architecture, functional logic, design and computer arithmetic. Focuses on the mechanics of information transfer and control within a computer system. Includes symbolic programming techniques, implementing high level control structures, addressing modes and their relation to arrays, subprograms, parameters, linkage to high level languages and the assembly process.

Prerequisite: Successful completion of CSC 160 (grade C or better).

**CSC 236 - 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 119 or MAT 201 (grade C or higher).

**CSC 237 - 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 236 (grade C or higher).

**CWB - Computer Web Based Courses****CWB 110 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher).

**CWB 205 - 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 110 (grade C or higher).

**CWB 209 - Web Content Management Systems**

3 Credit hours 45 Contact hours

Explores the use of open source Content Management Systems to simplify the creation and maintenance of web sites.

Prerequisite: Successful completion of CWB 110 (grade C or higher).

**DPM - Diesel Power Mechanics Courses****DPM 100 - 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 101 (grade C or higher).

**DPM 101 - 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 103 - Diesel Engines I**

4 Credit hours 67.5 Contact hours

Covers the theory and operation of diesel engines with emphasis on cylinder heads and valve trains diagnosis and repair. Also introduces the cooling system's importance with diagnosis and repair. Enables students to diagnose, test, and repair cylinder heads and cooling systems on diesel engines.

Prerequisite: Successful completion of DPM 100 and DPM 101 (grade C or higher).

**DPM 105 - Heavy Duty Powertrains I**

3 Credit hours 52.5 Contact hours

Focuses on drive axles and universal joints of heavy duty trucks and equipment. Students will cover operations, tests, removal, inspections, and repair of heavy duty drivelines, axles, and differentials.

Prerequisite: Successful completion of DPM 100 and DPM 101 (grade C or higher).

**DPM 106 - Diesel Fuel Systems**

3 Credit hours 45 Contact hours

Covers the theory of operation and repair of fuel injection systems. Provides laboratory assignments that involve disassembly, assembly, and service procedures on fuel system components.

Prerequisite: Successful completion of DPM 100, DPM 101 and DPM 103 (grade C or higher).

**DPM 111 - Cab & Electrical PMI**

1.5 Credit hours 22.5 Contact hours

Enables the student to perform preventive maintenance on heavy equipment and trucks, and complete appropriate maintenance records. Addresses the process of diagnostics and troubleshooting. Focuses on the importance of preventive maintenance.

Prerequisite: Successful completion of DPM 100 and DPM 101 (grade C or higher).

**DPM 121 - Hydraulic Systems I**

3 Credit hours 56.25 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 100 and DPM 101 (grade C or higher).

**DPM 122 - Hydraulic Systems II**

3 Credit hours 56.25 Contact hours

Offers instruction on the repair, replacement, measuring, and subsequent adjustments of components. Identification and repairing pumps, control valves, and cylinders is stressed within this course.

Prerequisite: Successful completion of DPM 100, DPM 101, and DPM 121 (grade C or higher).

**DPM 140 - 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 100 and DPM 101 (grade C or higher).

### **DPM 170 - Lab Experience I**

.5 Credit hours 11 Contact hours

Continues to build upon the principles that are expected to be understood by students.

### **DPM 203 - Diesel Engines II**

**4 Credit hours 82.5 Contact hours**

Covers the theory of operation and repair of diesel engines with emphasis on the cylinder block in big bore engines. Enables students to disassemble, inspect, and reassemble engines.

Prerequisite: Successful completion of DPM 100, DPM 101, and DPM 103 (grade C or higher).

### **DPM 205 - Heavy Duty Powertrains II**

3 Credit hours 60 Contact hours

Teaches students to diagnosis clutch and transmission problems. Focuses on clutch, transmission, additional assembly operation, testing, and repair. Students will learn removal, rebuilding, inspection, repairing, and replacement of all components.

Prerequisite: Successful completion of DPM 100, DPM 101, and DPM 105 (grade C or higher).

### **DPM 206 - Heavy Duty Brakes I**

**3 Credit hours 51.3 Contact hours**

Focuses on the various braking systems incorporated in heavy-duty trucks and heavy equipment. Includes a study of hydraulic brake systems and covers the diagnosis and service of the mechanical and electrical components.

### **DPM 207 - 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. Operational checks, performance testing, and verifying system compliance with regulations (FMVSS No. 121) will be discussed.

Prerequisite: Successful completion of DPM 100, and DPM 101 (grade C or higher).

### **DPM 210 - 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 100, DPM 101, and DPM 103 (grade C or higher).

### **DPM 275 - 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 101 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores, ECE 103 may be taken at the same time.

### **ECE 102 - 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 ECE 101 (grade C or higher).

### **ECE 103 - Guidance Strategies for young Children**

3 Credit hours 45 Contact hours

Explores guidance theories, applications, goals, and techniques, as well as factors that influence behavioral expectations of children. This course includes classroom management and pro-social skills development of young children in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

Prerequisite: Successful completion of ECE 101 (grade C or higher).

### **ECE 111 - Infant and Toddler Theory and Practice**

3 Credit hours 45 Contact hours

Presents an overview of theories, applications (including observations), and issues pertinent to infant and toddler development in group and/or family settings. Includes requirements for licensing, health, safety, and nutrition issues.

Prerequisite: Successful completion of ECE 101 (grade C or higher).

### **ECE 112 - Intro to Infant/Toddler Lab Techniques**

3 Credit hours 45 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: ECE 101 and successful completion or concurrency in ECE 111 (grade C or higher).

### **ECE 113 - Infant/Toddler Lab Techniques II**

3 Credit hours 45 Contact hours

Continues ECE 112 with responsibility for planning and implementing developmentally appropriate activities and caregiving.

Prerequisite: ECE 101 (grade C or higher).

### **ECE 188 - Practicum: Early Childhood Education**

**3 Credit hour 45 Contact hours**

Provides students with field experience in early childhood programs.

Prerequisite: Successful completion of ECE 101, ECE 102, ECE 103, (ECE 238 OR PSY 238) and successful completion or concurrency in ECE 205, ECE 220 (all grade C or higher).

### **ECE 205 - 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 ECE 101 (grade C or higher).

### **ECE 220 - Curriculum Development: Methods and Techniques**

3 Credit hours 45 Contact hours

Provides an overview of early childhood curriculum development. This course includes processes for planning and implementing developmentally appropriate environments, materials, and experiences that represent best practices in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

Prerequisite: Successful completion of ECE 101 (grade C or higher).

**ECE 226 - Creativity and the Young Child**

3 Credit hours 45 Contact hours

Emphasizes encouraging and supporting creative self expression and problem solving skills in children. Explores creative learning theories and research. Focuses on developmentally appropriate curriculum strategies in all developmental domains. Addresses ages birth through age eight. (Offered in the Summer only).

**ECE 238 - ECE Child Growth & Development**

3 Credit hours 45 Contact hours

Covers the growth and development of the child from conception through the elementary school years. This course emphasizes physical, cognitive, language, social, and emotional domains of development as they pertain to the concept of the whole child. It also includes ways adults can provide a supportive early childhood care and educational environment through teamwork and collaboration.

**ECE 240 - 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 ECE 101 (grade C or higher) .

**ECE 241 - 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 ECE 101 (grade C or higher) .

**ECE 256 - Working with Parents, Families, and Community Systems**

3 Credit hours 45 Contact hours

Examines personal attitudes regarding families, family values systems, and how personal attitudes affect parent-professional partnerships in the early childhood education program. This course covers communication, problem-solving, and conflict resolution strategies. Effective activities and resources to support family involvement in the classroom will be created. This course addresses children ages birth through 8 years. Offered in the Spring only).

Prerequisite: Successful completion of ECE 101 (grade C or higher) .

**ECE 260 - 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 PSY 238 or ECE 238 (grade C or higher) and CCR 092 (grade C or higher) or equivalent assessment scores.

**ECE 275 - 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 288 - 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 ECE 101, ECE 102, ECE 103, ECE 111, ECE 238, ECE 260, and successful completion or concurrency in ECE 205, ECE 220, ECE 240, ECE 241 (All grade C or better).

**ECO - Economics Courses****ECO 201 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores and successful completion of level MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA, 240+, AF 235+, Accuplacer EA 60+, ACT Math 19+, SAT MAT 500+). \*Note: MAT 121 is necessary for students in some degrees including the AA Business and AA Economics programs. These students should not take MAT 120. Please see an academic advisor if you have any questions.\*

**ECO 202 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores and successful completion of level MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA, 240+, AF 235+, Accuplacer EA 60+, ACT Math 19+, SAT MAT 500+). \*Note: MAT 121 is necessary for students in some degrees including the AA Business and AA Economics programs. These students should not take MAT 120. Please see an academic advisor if you have any questions.\*

**EDU - Education Courses****EDU 188 - 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.

Prerequisite: Successful completion of EDU 221, EDU 240, PSY 238 (all grade C or better).

**EDU 221 - 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. Includes current issues of educational reform, technology as it relates to education, and considerations related to becoming a teacher in Colorado. Special interest will be paid to the topic of diversity in the K-12 school system.

Prerequisite: Successful completion of CCR 092, (grade C or higher) or equivalent assessment score (SS 70+, RC: 62+).



### **EDU 222 - Effective Teaching**

1 Credit hours 15 Contact hours

Focuses on strategies for becoming an effective teacher. Topics included are: course goals and objectives, the first day, planning a lesson, higher levels of thought, test design and grading, assessment, and teaching and learning styles. (CTE credentialing class)

### **EDU 234 - Multicultural Education**

3 Credit hours 45 Contact hours

Focuses on the need to recognize and understand the similarities and differences among people and develop a respect for all individuals and groups. Assists teachers to recognize the special learning needs of children from different racial, ethnic, cultural and socioeconomic groups and to encourage teachers to integrate multicultural/diversity teaching into the school curriculum.

Prerequisite: Successful completion of CCR 092, (grade C or higher) or equivalent assessment score.

### **EDU 240 - Teaching Exceptional Learners**

3 Credit hours 45 Contact hours

Focuses on the individual differences and modifications that are necessary in the educational practices of the exceptional learner. Incorporates an additional 10-hour 0-credit, pre-professional, supervised, field based experience. Together with this experience, a portfolio and field experience reflective journal is required of all students.

Prerequisite: Successful completion of PSY 238 (grade C or higher).

### **EDU 250 - 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 260 - Adult Learning and Teaching**

3 Credit hours 45 Contact hours

Examines the philosophy of community colleges and the roles and responsibilities of the faculty member within the college community. Introduces basic instructional theories and applications, with particular emphasis on adult learners. Includes syllabus development, learning goals and outcomes, and lesson plans. Emphasizes teaching to a diverse student body, classroom management, assessment and instructional technology. (CTE credentialing class)

### **EDU 261 - 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.

Prerequisite: Successful completion of CCR 092, (grade C or higher) or equivalent assessment score.

## **EGG - Engineering Courses**

### **EGG 106 - Robotics Design**

1 Credit hours 30 Contact

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.

Prerequisite: Permission of the Instructor.

### **EGG 132 - Engineering Data Analysis**

1 Credit hours 30 Contact

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

Prerequisite: Successful completion of EGG 106 (grade C or higher) or department approval.

### **EGG 151 - Experimental Design (Introduction to Experimental Design and Engineering)**

2 Credit hours 60 Contact

Introduces the student to the design and construction of scientific and engineering experiments. Includes the entire life cycle of the experiment, from design, to construction, to analysis of data and communication of final results.

Prerequisite: Permission of the Instructor.

### **EGG 175 - 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 275 - 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.

## **EMS - Emergency Medical Provider Courses**

### **EMS 115 - 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 121 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent test scores. Corequisite: EMS 122, EMS 123, EMS 124, and EMS 170. (Students must enroll in the same section as EMS 121 for a total of 12 credits.).

### **EMS 122 - 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 121, EMS 123, EMS 124, and EMS 170. (Students must enroll in the same section as EMS 121 for a total of 12 credits.).

### **EMS 123 - 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.

Corequisite: EMS 121, EMS 122, EMS 124, and EMS 170. (Students must enroll in the same section as EMS 121 for a total of 12 credits.)

### EMS 124 - 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.

Corequisite: EMS 121, EMS 122, EMS 123, and EMS 170. (Students must enroll in the same section as EMS 121 for a total of 12 hours.)

### EMS 170 - EMT-Clinical

1 Credit hour 48 Contact hours

Provides EMT students with the clinical experience required of initial and some renewal processes.

Corequisite: EMS 121, EMS 122, EMS 123, and EMS 124. (Students must enroll in the same section as EMS 121 for a total of 12 credits.)

### EMS 225 - 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 106 (all grade C or higher).

Corequisite: EMS 226, EMS 229, EMS 233, and EMS 235. (Students must enroll in the same section as EMS 225 for a total of 16 credits.)

### EMS 226 - 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 225, EMS 229, EMS 233, and EMS 235. (Students must enroll in the same section as EMS 225 for a total of 16 credits.)

### EMS 227 - 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 225 and permission from the department. Corequisite: EMS 228, EMS 230, EMS 231, EMS 232, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 227 for a total of 17 credits.)

### EMS 228 - 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: Permission of the department. Corequisite: EMS 227, EMS 230, EMS 231, EMS 232, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 227 for a total of 17 credits.)

### EMS 229 - 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 225, EMS 226, EMS 233, and EMS 235. (Students must enroll in the same section as EMS 225 for a total of 16 credits.)

### EMS 230 - 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 227, EMS 228, EMS 231, EMS 232, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 227 for a total of 17 credits.)

### EMS 231 - 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 227, EMS 228, EMS 230, EMS 232, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 227 for a total of 17 credits.)

### EMS 232 - 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 227, EMS 228, EMS 230, EMS 231, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 227 for a total of 17 credits.)

### EMS 233 - 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 225, EMS 226, EMS 229, and EMS 235. (Students must enroll in the same section as EMS 225 for a total of 16 credits.)

### EMS 234 - 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.

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Prerequisite: Permission of the department. Corequisite: EMS 227, EMS 228, EMS 230, EMS 231, EMS 232, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 227 for a total of 17 credits.)

### **EMS 235 - 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 225, EMS 226, EMS 229, and EMS 233. (Students must enroll in the same section as EMS 225 for a total of 16 credits.)

### **EMS 236 - 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 227, EMS 228, EMS 230, EMS 231, EMS 232, EMS 234, and EMS 237 (Students must enroll in the same section as EMS 227 for a total of 17 credits.)

### **EMS 237 - 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 227, EMS 228, EMS 230, EMS 231, EMS 232, EMS 234, and EMS 236. (Students must enroll in the same section as EMS 227 for a total of 17 credits.)

### **EMS 275 - Special Topics**

0-12 Credit hours Contact hours vary

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

### **EMS 280 - 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: Permission of the department.

### **EMS 281 - Paramedic Internship II**

6 Credit hours 250 Contact hours

Serves as the continuation of EMS 280, preceptor program for paramedic students.

Prerequisite: EMS 280. Corequisite: EMS 280.

## **ENG - English Courses**

### **ENG 121 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores. Corequisite: CCR 094.

### **ENG 122 - 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 121 (grade C or higher).

### **ENG 131 - 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: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **ENG 132 - Technical Writing II**

3 Credit hours 45 Contact hours

Expands and refines the objectives of ENG 131, emphasizing formal presentations, both written and oral.

Prerequisite: Successful completion of ENG 131 (grade C or higher).

### **ENG 201 - 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 122 (grade C or higher).

### **ENG 221 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **ENG 222 - 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.

Prerequisite: Successful completion of ENG 221 (grade C or higher) or permission of Department Chair.

### **ENG 231 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

## **ENP - Entrepreneurship**

### **ENP 105 - Intro to Entrepreneurship**

3 Credit hours 45 Contact hours

The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of

entrepreneurial businesses in the United States and the impact on our national and global economy.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent test scores.

### **ENP 106 - E-ship Opp.Feasibility Study**

**3 Credit hours 45 Contact hours**

Students will assess the viability of a new venture business idea to determine if the concept is feasible for business start up and long term growth based on strengths and skills, personal, professional and financial goals. The student will identify and analyze through basic research the present climate for their business idea by completing an industry, target market and competitive analysis. The student will assess the financial needs for startup as well as their own skills, strengths and talents to launch a successful business idea.

Prerequisite: Successful completion of ENP 105 (grade C or higher) .

### **ENP 206 - Entrepreneurship Legal Issues**

**3 Credit hours 45 Contact hours**

The student will explore legal issues related to business entities including sole proprietorship, general partnerships, limited partnerships, and corporations. Students will review contract law, articles of incorporation and the filing process, employment law (including FEPA, ADA, FMLA), personnel policies and procedures, the hiring process, job descriptions, disciplinary actions, and business insurance.

Prerequisite: Successful completion of ENP 105 (grade C or higher).

### **ENP 207 - Entrepreneurship Financial Topics**

**3 Credit hours 45 Contact hours**

This is a comprehensive course covering financial situations for business. Financial topics will include employee benefits, retirement planning, budgeting, creation of financial statements, and learning how to work with an accounting professional. Other topics will include income tax, sales and use tax, payroll tax, and unemployment tax.

Prerequisite: Successful completion of ENP 105 (grade C or higher).

### **ENP 209 - Entrepreneurship Business Plan**

**3 Credit hours 45 Contact hours**

The student will evaluate a business concept and write a sound business plan. Students will assess the strengths and weaknesses of a business concept; collect, analyze and organize market research data into a marketing plan; and prepare the financial projections for their business concept. Students will be able to identify and evaluate various resources available for funding small businesses.

Prerequisite: Successful completion of ENP 106 (grade C or higher).

## **ESL - English as a Second Language Courses**

### **ESL 021 - Basic Grammar**

3 Credit hours 45 Contact hours

Develops competency in basic grammatical structures through oral and written practice.

Prerequisite: Appropriate score on assessment test.

### **ESL 022 - Intermediate Grammar**

3 Credit hours 45 Contact hours

Builds on basic grammar structures. This course develops competency in intermediate grammar structures with continued emphasis on oral and written communication.

Prerequisite: Successful completion of ESL 021 (grade C or higher) or equivalent assessment scores.

### **ESL 023 - Advanced Grammar**

3 Credit hours 45 Contact hours

Builds on intermediate level grammar structures. This course develops competency in advanced grammatical structures with increased emphasis on written communication.

Prerequisite: Successful completion of ESL 022 (grade C or higher) or equivalent assessment scores.

### **ESL 031 - Basic Listening and Speaking**

3 Credit hours 45 Contact hours

Focuses on listening and speaking activities that help students communicate more competently. Provides practice with pronunciation, vocabulary, note taking, and basic grammatical patterns.

Prerequisite: Appropriate score on assessment test.

### **ESL 032 - Intermediate Listening and Speaking**

3 Credit hours 45 Contact hours

Teaches listening, pronunciation, and conversation skills. Increases speed and accuracy in speaking through free and guided conversational practice.

Prerequisite: Successful completion of ESL 031 or ESL 021 or ESL 041 or ESL 051 (grade C or higher) or equivalent assessment scores.

### **ESL 033 - Advanced Listening and Speaking**

3 Credit hours 45 Contact hours

Provides students with opportunities to increase the listening and speaking skills required in academic and work situations. Emphasizes vocabulary building, listening and note taking strategies, as well as questioning, discussion, and presentation skills.

Prerequisite: Successful completion of ESL 032 or ESL 022 or ESL 042 or ESL 052 (grade C or higher) or equivalent assessment scores.

### **ESL 041 - Basic Reading**

3 Credit hours 45 Contact hours

Improves comprehension of simple written texts through vocabulary building and reading strategies.

Prerequisite: Successful completion of ESL 021 or ESL 031 (grade C or higher) or equivalent assessment scores.

### **ESL 042 - Intermediate Reading**

3 Credit hours 45 Contact hours

Helps the student read more quickly and accurately and understand a variety of intermediate level reading material.

Prerequisite: Successful completion of ESL 041 or ESL 022 and ESL 051 (grade C or higher) or equivalent assessment scores.

### **ESL 043 - Advanced Reading**

3 Credit hours 45 Contact hours

Prepares the student for academic reading assignments. Assists the student to read more accurately and critically through the development of vocabulary knowledge and reading skills. Introduces research skills. The content of this course is focused on civil rights.

Prerequisite: Successful completion of ESL 042 or ESL 023 and ESL 052 (grade C or higher) or equivalent assessment scores.

### **ESL 051 - Basic Composition**

3 Credit hours 45 Contact hours

Serves as an open-entry, open-exit course of study from basic to intermediate to advanced (5 levels) in speaking, listening, reading, and writing English.

Prerequisite: Successful completion of ESL 041 (grade C or higher) or equivalent assessment scores.

### **ESL 052 - Intermediate Composition**

3 Credit hours 45 Contact hours

Introduces the fundamentals of paragraph organization and development. Emphasizes development of sentence variety and grammatical competency within well-organized paragraphs.

Prerequisite: Successful completion of ESL 051 and (ESL 021 or ESL 022) (grade C or higher) or equivalent assessment scores.

### **ESL 053 - Advanced Composition**

4 Credit hours 60 Contact hours

Reviews paragraph organization and develops the skill of writing essays using selected rhetorical modes. This course emphasizes accurate use of advanced grammatical structures. Includes summarizing, paraphrasing, and research writing.

Prerequisite: Successful completion of ESL 052 and ESL 022 (grade C or higher) or equivalent assessment scores.

### **ESL 055 - Computer Basics for ESL Students**

2 Credit hours 30 Contact hours

Introduces the basic skills for computer use, including keyboarding, using Windows, word processing, text entry, document appearance, editing, printing, and navigating the Internet.

Prerequisite: Successful completion of ESL 021 or ESL 031 or ESL 041 or ESL 051 (grade C or higher) or equivalent assessment scores.

## **ETH - Ethnic Studies Courses**

### **ETH 200 - 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. Students explore issues of racial and ethnic identity, racism and discrimination, stereotyping, prejudice, segregation, colonialism, integration and acculturation.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **ETH 224 - 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: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **ETH 275 - 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: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

## **FIN- Finance Courses**

### **FIN 105 - Principles of Banking**

3 Credit hours 45 Contact hours

Explores nearly every aspect of banking as a solid foundation for any career in the financial services industry. Just as the industry is constantly changing, this course is continually being revised to provide specific up-to-date information.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **FIN 115 - Retail Banking**

2 Credit hours 30 Contact hours

Serves as an introductory course intended for newer employees in the saving institutions business and for established employees desiring to learn more about the business in which they work. Covers the origin and growth of saving institutions, their roles in the world of business, their intermediary function, their relationship to the housing industry and markets, the regulatory bodies and government agencies with which institutions work, and the competitive arena in which they operate. Enables the student to acquire a solid foundation for more specialized areas of study.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **FIN 125 - Teller Training**

1 Credit hour 15 Contact hours

Prepares students to be a Teller at any Financial Institution. The student will learn; how deposit accounting works, the handling of cash, balancing a cash drawer, recording debits and credits, handling cash items such as travelers checks, handling of commercial accounts, reviewing bank policy on large deposits, and placing holds on large deposits. The student will also learn customer service, how to handle problem customers, developing relationships with customers, and cross-selling other bank services.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **FIN 255 - Selling Bank Products**

2 Credit hours 30 Contact hours

Focuses on the six human relations skills that encourage smooth, clear and personal communication with the customer. Emphasizes the basic steps of selling, information about bank products, and product benefits (rather than the features) and how to spot clues about customer needs. Covers the importance of cross-selling, how to recognize the typical prospects for various categories of bank products, and how to suggest products and overcome resistance to conclude the sale.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

## **FST - Fire Science Technology Courses**

### **FST 100 - 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 102 - 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 105 - 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 106 - 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 107 - 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 109 - 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 170 - Clinical I**

1 Credit hours 30 Contact hours

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

### **FST 201 - 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 202 - 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 204 - 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 205 - 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 206 - Fire Company Supervision and Leadership**

3 Credit hours 45 Contact hours

Covers fire department organization, management philosophies, leadership traits, time management, group dynamics, communications, motivation counseling, conflict resolution, and employee discipline. Meets components of Fire Officer I State Certificate.

### **FST 207 - 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 209 - 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 251 - 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 253 - 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 255 - Fire Service Management**

3 Credit hours 45 Contact hours

Serves as the basic management course for present and potential members of the fire service, and for students and members of other fire science-related professions. Introduces the student to current management practices and philosophies and real-world applications from the supervisor's point of view. Covers decision making/problem solving, communication skills, conflict resolution, creativity and innovation, as well as the role of the manager in supervising personnel and programs, e.g., motivation, leadership, counseling, ethics, and handling discipline and grievances.

### **FST 257 - 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 275 - 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 105 - 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 160 (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: Acceptance into the Film School AND successful completion of or concurrent enrollment in ENG 121 (with a grade of C or better) or equivalent assessment score. Corequisite: FVM 136 and FVM 160.

### **FVM 117 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of or concurrent enrollment in ENG 121 (with a grade of C or better) or equivalent assessment score.

### **FVM 118 - Screen Actor Improvisation**

3 Credit hours 60 Contact hours

This course builds on FVM 117, 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.

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Prerequisite: Acceptance into the Film School AND successful completion of FVM 117, FVM 150 (grade C or higher) AND successful completion or concurrent enrollment in FVM 105 AND FVM 136, FVM 160 (grade C or higher).

### **FVM 136 - Short Script Analysis**

3 Credit hours 60 Contact hours

Introduces short subject script analysis and emphasizes critical thinking in regards to story technique and subtext behind the writers work. Students will identify and demonstrate an understanding of the methods of script analysis and translate knowledge into new context by summarizing, describing, interpreting, discussing and evaluating the three to forty minute short narrative, experimental, documentary, and animation scripts and films.

Prerequisite: Acceptance into the Film School AND successful completion of or concurrent enrollment in ENG 121 (with a grade of C or better) or equivalent assessment score. Corequisite: FVM 105 and FVM 160.

### **FVM 150 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of or concurrent enrollment in ENG 121 (with a grade of C or better) or equivalent assessment score.

### **FVM 153 - 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: Acceptance into the Film School AND successful completion of FVM 105, FVM 136, FVM 160 (grade C or higher) and successful completion of or concurrent enrollment in FVM 117 and FVM 150 (grade C or higher).

### **FVM 155 - 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: Acceptance into the Film School AND successful completion of FVM 105, FVM 136, FVM 160 (grade C or higher) and successful completion of or concurrent enrollment in FVM 117 and FVM 150 (grade C or higher).

### **FVM 160 - 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 105 Video Production I.

Prerequisite: Acceptance into the Film School AND successful completion of or concurrent enrollment in ENG 121 (with a grade of C or better) or equivalent assessment score. Corequisite: FVM 105 and FVM 136.

### **FVM 163 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of FVM 105, FVM 136, FVM 160 and successful completion of or concurrent enrollment in FVM 117 and FVM 150 (all grade C or better).

### **FVM 164 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of FVM 105, FVM 136, FVM 160 (grade C or higher) and successful completion of or concurrent enrollment in FVM 117 and FVM 150 (grade C or higher).

### **FVM 165 - 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: Acceptance into the Film School AND successful completion of FVM 105, FVM 117, FVM 136, FVM 150, and FVM 160 (grade C or higher).

### **FVM 181 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of ENG 121 and FVM 150 (grade C or higher) OR for Non-Film major students ENG 121 and Department Approval.

### **FVM 183 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of ENG 121 and FVM 150 (grade C or higher) OR for Non-Film major students ENG 121 and Department Approval.

### **FVM 184 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of ENG 121 and FVM 150 (grade C or higher) OR for Non-Film major students ENG 121 and Department Approval.

### **FVM 185 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of ENG 121 and FVM 150 (grade C or higher) OR for Non-Film major students ENG 121 and Department Approval.

### **FVM 186 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of ENG 121 and FVM 150 (grade C or higher) OR for Non-Film major students ENG 121 and Department Approval.

### **FVM 187 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of ENG 121 and FVM 150 (grade C or higher) OR for Non-Film major students ENG 121 and Department Approval.

### **FVM 188 - 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.

Prerequisite: Acceptance into the Film School AND successful completion of ENG 121 and FVM 150 (grade C or higher) OR for Non-Film major students ENG 121 and Department Approval.

### **FVM 200 - 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: Acceptance into the Film School AND successful completion of (FVM 118, FVM 155 AND Either FVM 218 OR FVM 228) OR (FVM 205 and successful completion or concurrency in FVM 153) OR (FVM 155 and successful completion or concurrency in FVM 215) OR (Either FVM 163 or FVM 164 and successful completion or concurrency in FVM 215) OR (FVM 155, FVM 209 and successful completion or concurrency in FVM 202); (all grade C or higher).

### **FVM 202 - 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: Acceptance into the Film School AND successful completion or concurrency in FVM 200 or FVM 220 or FVM 251 (grade C or higher).

### **FVM 204 - 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: Acceptance into the Film School AND successful completion of FVM 118 or FVM 153 or FVM 155, FVM 163 or FVM 164 all (grade C or higher).

### **FVM 205 - 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: Acceptance into the Film School AND successful completion of FVM 105, FVM 136, FVM 160 and successful completion or concurrent enrollment in FVM 117 and FVM 150 all (grade C or higher).

### **FVM 206 - 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: Acceptance into the Film School AND successful completion or concurrency in (FVM 153 and FVM 205) or FVM 155 (grade C or higher).

### **FVM 207 - 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: Acceptance into the Film School AND successful Completion of FVM 200 or FVM 220 all (grade C or higher).

### **FVM 208 - 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: Acceptance into the Film School AND successful completion of FVM 105, FVM 136, FVM 160 and successful completion or concurrency in FVM 117, FVM 150 (grade C or higher).

### **FVM 209 - 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: Acceptance into the Film School AND successful completion of FVM 105, FVM 136, FVM 160 and successful completion or concurrency in FVM 117, FVM 150 (grade C or higher).

### **FVM 211 - 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



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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: Acceptance into the Film School AND successful completion of FVM 105, FVM 136, FVM 160 and successful completion or concurrency in FVM 117, FVM 150 (grade C or higher).

### **FVM 212 - 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: Acceptance into the Film School AND successful completion of ENG 122 and (FVM 118 or FVM 153 or FVM 155 or FVM 163 or FVM 164) (grade C or higher).

### **FVM 213 - 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 be 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: Acceptance into the Film School AND Successful Completion of FVM 200 and successful completion or concurrent enrollment in FVM 220, all (grade C or higher).

### **FVM 215 - Post-Production II**

3 Credit hours 60 Contact hours

Instructs students in editing techniques using footage shot in FVT 200 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: Acceptance into the Film School AND Successful Completion of FVM 220 or successful completion or concurrent enrollment in FVM 200, all (grade C or higher).

### **FVM 216 - 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: Acceptance into the Film School AND successful completion of FVM 209 or FVM 236 (grade C or higher).

### **FVM 217 - 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: Acceptance into the Film School AND successful completion of FVM 105, FVM 117, FVM 136 (grade C or higher).

### **FVM 218 - Actor Movement and Action**

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: Acceptance into the Film School AND successful completion of FVM 117, FVM 150, and successful completion or concurrency in FVM 105, FVM 136, FVM 160 (grade C or higher) or equivalent assessment scores.

### **FVM 219 - 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: Acceptance into the Film School AND successful completion of FVM 105, FVM 117, FVM 118, FVM 136, FVM 150, FVM 160, FVM 217 (grade C or higher).

### **FVM 220 - 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: Acceptance into the Film School AND Department Approval AND successful completion of (FVM 155 and FVM 209) or (FVM 163 or FVM 164) or (FVM 200 and FVM 206) or (FVM 155 and FVM 200) (all grade C or higher).

### **FVM 221 - 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: Acceptance into the Film School AND FVM 200 or FVM 220 (grade C or better) and department approval.

### **FVM 222 - 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: Acceptance into the Film School AND successful completion of FVM 155 (grade C or higher).

### **FVM 223 - 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: Acceptance into the Film School AND successful completion of FVM 163 or FVM 164 (grade C or better).

### **FVM 228 - 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: Acceptance into the Film School AND successful completion of FVM 117, FVM 150 and successful completion or concurrency in FVM 105, FVM 136, FVM 160 (grade C or higher).

### **FVM 229 - Production 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: Acceptance into the Film School AND successful completion of ENG 122 and (FVM 200 or FVM 220 or FVM 251) and (successful completion or concurrency in FVM 207 and (FVM 209 or FVM 252 or FVM 262)) and (successful completion or concurrent enrollment in FVM 222, FVM 232, FVM 242, and FVM 243) (all grade C or higher).

### **FVM 232 - 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: Acceptance into the Film School AND successful completion of FVM 155 (grade C or higher).

### **FVM 236 - 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: Acceptance into the Film School AND successful completion of FVM 155 (grade C or higher).

### **FVM 242 - 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: Acceptance into the Film School AND successful completion of FVM 155 and FVM 232 (grade C or higher).

### **FVM 243 - 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: Acceptance into the Film School AND successful completion of FVM 155 (grade C or better).

### **FVM 248 - 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: Acceptance into the Film School AND successful completion of FVM 208 (grade C or better).

### **FVM 251 - 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: Acceptance into the Film School AND successful completion of FVM 155 (grade C or higher).

### **FVM 252 - 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: Acceptance into the Film School AND successful completion of FVM 251 (grade C or higher).

### **FVM 262 - 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: Acceptance into the Film School AND successful completion of FVM 251 (grade C or higher).

### **FVM 263 - Digital Compositing**

3 Credit hours 60 Contact hours

Covers digital compositing and visual effects (VFX) using industry standard compositing software. Combining effects with live action 2D (Two-Dimensional) plates, core techniques will be used in digital compositing to add computer generated renders and perform compositing tasks. The topics include: rotoscoping, clean plating, 2D and camera tracking, multi-pass compositing, projection and extraction from green/blue screen, outputting, and interfacing with industry-related finishing software.

Prerequisite: Acceptance into the Film School AND FVM 163 or FVM 164 (grade C or better).

### **FVM 264 - 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

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by synthesizing video elements with effects. The coursework covers compositing, alpha channels, 2D and 3D effects.

Prerequisite: Acceptance into the Film School AND successful completion of FVM 163 or FVM 164 (grade C or higher).

### **FVM 265 - DVD Authoring**

3 Credit hours 60 Contact hours

Instructs the student in the basic concepts and skills of DVD authoring. The student will explore the various techniques available in the software program DVD Studio Pro to achieve their technical and artistic visions for DVD projects. Students will analyze and evaluate other interactive products and learn to consider audience participation in the digital environment. Students will apply the techniques in a DVD of their personal work as their final project.

Prerequisite: Acceptance into the Film School AND successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher).

### **FVM 266 - Flash Motion Graphics**

3 Credit hours 60 Contact hours

Introduces Adobe's Flash software. Students will learn how to prepare motion graphics for streaming on the web. Students will analyze and evaluate other interactive media and develop projects designed to support interactivity with internet based audience. Students will demonstrate comprehension of the techniques used to control the user interface environment. Students will explore the use of the principles of animation as defined historically in an ever-changing medium.

Prerequisite: Acceptance into the Film School AND successful completion of FVM 105, FVM 117, FVM 136, FVM 150, and FVM 160 (grade C or higher).

### **FVM 267 - 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: Acceptance into the Film School AND successful completion of FVM 215 and (FVM 163 or FVM 164) (grade C or higher).

### **FVM 268 - 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 252 or FVM 262 to professional standards. Emphasis is on the rewriting process to revise, edit and refine scripts based on peer review and instructor feedback.

Prerequisite: Acceptance into the Film School AND successful completion of FVM 252 or FVM 262 (grade C or higher). Corequisite: FVM 269.

### **FVM 269 - Screenwriter's Workshop**

3 Credit hours 60 Contact hours

Designed as a capstone course for the Screenwriting Program, this class prepares students for the transition from student-learners to working professionals. Students will complete final polishes on scripts rewritten in FVM 268, 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: Acceptance into the Film School AND successful completion of FVM 252 or FVM 262 (grade C or higher). Corequisite: FVM 268.

### **FVM 270 - Film/Video Production III**

3 Credit hours 60 Contact hours

Students take their developed scripts and pre production work from FVM 229 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: Acceptance into the Film School AND successful completion of (FVM 220 and FVM 213) OR [(FVM 200 or FVM 220) and FVM 229 and (FVM 207 or successful completion of or concurrent enrollment in FVM 236) (all grade C or higher).

### **FVM 271 - 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: Acceptance into the Film School AND successful completion of (FVM 207, FVM 229, FVM 270) or (FVM 248, FVM 264, successful completion or concurrency in FVM 165) (ALL grade C or higher).

### **FVM 273 - 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 300 hours of work.

Prerequisite: Acceptance into the Film School AND successful completion of FVM 200 or FVM 220 (grade C or higher).

### **FVM 275 - 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: Acceptance into the Film School AND successful completion of FVM 118 or FVM 153 or FVM 155 or FVM 163 or FVM 164 (grade C or higher).

### **FVM 287 - Internship**

3 Credit hours TBA Contact hours

Provides Internship in the industry. Minimum of 130 hours.

Prerequisite: Acceptance into the Film School AND successful completion of FVM 200 or FVM 220 (grade C or higher) AND Department Permission.

## **GEO - Geography Courses**

### **GEO 105 - 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 may include topography, climate, and natural resources; societal phenomena may include patterns of population and settlement, religion, ethnicity, language, and economic development. Analyzes the characteristics that define world regions and distinguish them from each other. Examines the relationships between physical environments and human societies. Examines globalization, emphasizing the geopolitical and economic relationships between more developed and less developed regions.

Prerequisite: Successful completion of CCR 092, (grade C or higher) or equivalent assessment score.

### **GEO 106 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **GEO 111 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **GEO 112 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

## **GEY - Geology Courses**

### **GEY 111 - 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: Successful completion of CCR 094 (grade C or higher) or equivalent assessment scores and successful completion of MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA, 240+, AF 235+, Accuplacer EA 60+, ACT Math 19+, SAT MAT 500+).

### **GEY 112 - 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 111 (grade C or higher) or permission of Instructor.

### **GEY 135 - 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: Successful completion of CCR 092, CCR 093, CCR 094 and MAT 050 (grade C or higher) or equivalent assessment scores.

### **GEY 275 - 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.

Prerequisite: Permission of Instructor.

## **HIS - History Courses**

### **HIS 101 - Western Civilization: Antiquity - 1650 (GT-HI1)**

3 Credit hours 45 Contact hours

Explores a number of events, peoples, groups, ideas, institutions, and trends that have shaped Western Civilization from the prehistoric era to 1650. Reflects the multiple perspectives of gender, class, religion, and ethnic groups. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 111 - The World: Antiquity - 1500 (GT-HI1)**

3 Credit hours 45 Contact hours

Explores a number of peoples, groups, ideas, institutions, and trends that have shaped World History from the prehistoric era to 1500. Reflects the multiple perspectives of gender, class, religion, and ethnic groups in a broad global sense. Focuses on the common denominators among all people. This approach goes beyond political borders to provide a better appreciation for different cultures. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 112 - The World: 1500 - Present (GT-HI1)**

3 Credit hours 45 Contact hours

Explores a number of peoples, groups, ideas, institutions, and trends that have shaped World History from 1500 to the present. Reflects the multiple perspectives of gender, class, religion, and ethnic groups in a broad global sense. Focuses on the common denominators among all people. This approach goes beyond political borders to provide a better appreciation for different cultures. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline. This is a stand-alone course; HIS 111 is not a prerequisite.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 121 - US History to Reconstruction (GT-HI1)**

3 Credit hours 45 Contact hours

Explores events, trends, peoples, groups, cultures, ideas, and institutions in North America and United States history, including the multiple perspectives of gender, class, and ethnicity, between the period when Native American Indians were the sole inhabitants of North America and the American Civil War. Focus is on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 122 - US History Since Civil War (GT-HI1)**

3 Credit hours 45 Contact hours

Explores events, trends, peoples, groups, cultures, ideas, and institutions in United States history, including the multiple perspectives of gender, class, and ethnicity, between the period of the American Civil War and the present. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline. This is a stand-alone course; HIS 121 is not a prerequisite.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 205 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 208 - 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 the current conditions. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 215 - Women in U.S. History (GT-HI1)**

3 Credit hours 45 Contact hours

Examines women's changing roles in American history from the pre-colonial native population to the present. Emphasizes the nature of women's work and the participation of women in the family, political, religious, and cultural activities, and in social reform movements. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 225 - 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 and mountain men, the gold rush, railroad builders, the cattlemen and farmers, the silver boom, the tourists, and the modern state. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 244 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 247 - 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 and nation-states from 1900 to the present. Emphasizes the interactions of global regions and nation-states. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HIS 250 - 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. Emphasizes 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

## **HPR - Health Professional Courses**

### **HPR 101 - 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 104 - 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 105 - Health Finance Matters**

1 Credit hours 15 Contact hours

Emphasizes an understanding of how to interpret bills, dealing with billing and collection problems, and learning billing and insurance terms.

### **HPR 106 - 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 112 - Phlebotomy**

4 Credit hours 90 Contact hours

Teaches the duties associated with the practice of venipuncture, capillary puncture, and special collection procedures. Students will have experience with quality control, infection control and safety procedures as well as laboratory computer systems. Students successfully completing this course may apply for a National Phlebotomy Registry Examination.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent test scores.

### **HPR 119 - Computers in Health Care**

2 Credit hour 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 117 - Anatomical Kinesiology**

3 Credit hours 45 Contact hours

Studies the Anatomical Basis of Human Movement.

### **HPR 175 - 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.

Prerequisite: See semester schedule for required prerequisites.

### **HPR 178 - Medical Terminology**

3 Credit hours 45 Contact hours

Introduces the student to the structure of medical terms with emphasis on using and combining the most common prefixes, roots, and suffixes. Includes terms related to major body systems, oncology, psychiatry, as well as clinical laboratory and diagnostic procedures and imaging. Class structure provides accepted pronunciation of terms and relative use in a healthcare setting. This course is for students in the Allied Health fields.

### **HPR 180 - Internship (Phlebotomy)**

Credit hours 3 Contact hour 90

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: Successful completion or concurrency in HPR 112 (grade C or better).

### **HPR 209 - Professional Nursing Pathway**

2 Credit hours 30 Contact hours

Introduces students in the Integrated Pathway to Baccalaureate Nursing Program to professional nursing within the culture of healthcare safety and quality improvement. Through lecture, class discussion, group projects, service learning activities, case studies and written and oral presentations of course topics, students will be introduced to nursing as a profession including an understanding of the context of nursing; attributes, roles and responsibilities of the professional nurse; essential knowledge, skills and attitudes required for team participation in a culture of safety and quality improvement; and interpersonal communication abilities critical to the nurse-patient relationship.

Prerequisite: Acceptance into the Integrated Pathway to Baccalaureate Nursing Education Program. Corequisite: Acceptance into the Integrated Pathway to Baccalaureate Nursing Education Program.

### **HPR 275 - Special Topics: Patient Care Technician Certification Exam Prep**

.05 Credit Hours 7.5 Contact Hours

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

Prerequisite: Completion of Patient Care Technician Program or Department Permission.

### **HPR 289 - 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 115 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HUM 121 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HUM 122 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HUM 123 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HUM 275 - 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 100 - Human Nutrition**

3 Credit hours 45 Contact hours

Introduces basic principles of nutrition with emphasis on personal nutrition. Satisfies nutrition requirement of students entering health care professions.

Prerequisite: Successful completion on CCR 092 (grade C or higher) or equivalent assessment score.

### **HWE 109 - 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 placed 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 110 - 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 cardiovascular endurance, muscular strength and endurance training, flexibility training, and body composition management to meet individual needs.

Prerequisite: Permission of the Instructor.

### **HWE 124 - 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 136 - 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 230 - 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

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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 237 - 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 245 - 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 248 - Exercise Testing Prescription**

3 Credit hours 45 Contact hours

Provides the student with the opportunity to conduct laboratory fitness assessments, evaluate test results and develop exercise prescriptions. In addition, the student will be expected to become knowledgeable about liability issues and the promotion and marketing of fitness programs.

Prerequisite: Permission of the Instructor.

### **HWE 250 - 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 255 - Certified Personal Trainer Preparatory Course**

3 Credit hours 45 Contact hours

Provide the student with theoretical knowledge and practical skills in preparation for a nationally recognized personal training certification approved by the Colorado Community College System. These Certifications are limited to the following: ACSM, ACE, NSCA, NCSF, AFAA, and AEA. Upon certification, the student will have the ability to develop and implement exercise programs for healthy populations and/or those individuals with medical clearance to exercise.

Prerequisite: Permission of the Instructor.

### **HWE 275 - 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.

Prerequisite: Permission of the Instructor.

## **LEA - Law Enforcement Academy Courses**

### **LEA 101 - Basic Police Academy I**

6 Credit hours 180 Contact hours

Conforms to Colorado P.O.S.T. 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 simulating actual situations utilizing a lecture and laboratory mode of learning.

Prerequisite: Requires acceptance to CCA Police Academy.

### **LEA 102 - Basic Police Academy II**

12 Credit hours 270 Contact hours

Conforms to P.O.S.T. standards 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 simulating actual situations utilizing a lecture and laboratory mode of learning.

Prerequisite: Requires acceptance to CCA Police Academy.

### **LEA 103 - 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.

### **LEA 104 - 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.

### **LEA 105 - Basic Law**

8 Credit hours 120 Contact hours

Covers constitutional and procedural considerations affecting arrest, search and seizure, and civil liability. Includes the Colorado criminal, liquor, controlled substance, and children's code. Emphasizes victim's rights and court room testimony.

Prerequisite: Requires acceptance to CCA Police Academy.

### **LEA 106 - Arrest Control Techniques**

3 Credit hours 148 Contact hours

Covers the skill, knowledge, and abilities necessary to effectively maintain control of a suspect when making an arrest. Emphasizes the continuum of force and de-escalation of force.

Prerequisite: Requires acceptance to CCA Police Academy.

### **LEA 107 - 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 108 - Firearms**

3 Credit hours 72 Contact hours

Discusses the skills, knowledge, and abilities necessary to safely use police firearms. Students will demonstrate skills by firing weapons on a firing range. Students will demonstrate basic safety techniques and will explain the firearm's role within the continuum of force.

Prerequisite: Requires acceptance to CCA Police Academy.

### **LEA 118 - 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.

### **LEA 126 - 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.

### **LEA 160 - 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 240 - 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 115 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 175 - 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 201 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 202 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 205 - Ethnic 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 211 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 212 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 221 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 222 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 225 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 246 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 255 - Children's Literature**

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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### **LIT 259 - Survey of African American Literature (GT-AH2)**

3 Credit hours 45 Contact hours



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Examines African American literature from 1750 to the present. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment score.

### LIT 275 - 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.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

## MAN - Management Courses

### MAN 105 - 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.

Prerequisite: Successful completion of MAT 050 (grade C or higher) or equivalent assessment scores.

### MAN 116 - 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 Permission Required.

### MAN 156 - Problem Solving-Business Environment

3 Credit hours      45 Contact hours

Introduces problem solving and decision making processes associated with a business environment.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### MAN 168 - 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.

Prerequisite: Successful completion (grade C or better) of MAN 105.

### MAN 200 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### MAN 201 - 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.

Prerequisite: Successful completion of MAN 200 (grade C or higher).

### MAN 215 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### MAN 225 - 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.

Prerequisite: Successful completion of ACC 121 or BUS 202 (grade C or higher).

### MAN 226 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### MAN 288 - Practicum

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: Successful completion of ENP 105 (grade C or higher).

## MAR - Marketing Courses

### MAR 160 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### MAR 216 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### MAR 240 - International Marketing

3 Credit hours      45 Contact hours

Enables students to explore the international marketing for U.S. products and the increasing competitive international environment and recent changes in the environment that have challenged U.S. businesses. The course is designed to make the student an "informed observer" of the global market place as well as enabling them to develop skills to make marketing decisions in a global context.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

## MAT - Mathematics Courses

### MAT 050 - 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 the course include ratios, proportions, percents, measurement, linear relationships, properties of exponents, polynomials, factoring, and math learning strategies. This course prepares students for Math, Liberal Arts, Statistics, Integrated Math, and college level career math courses.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NGQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

Corequisite: .

### **MAT 055 - 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 121 College Algebra and MAT 123 Finite Math.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NGQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

Corequisite: .

### **MAT 080 - Special Topics: Algebra Onboarding**

Credit hours 3 Contact hours 45

This course provides key prerequisite content necessary for College Algebra.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NGQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

### **MAT 085 - Special Topics: Extended Algebra Onboarding**

Credit hours 3 Contact hours 45

This course provides an extension to master key prerequisite content necessary for College Algebra.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NGQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

### **MAT 092 - Quant Lab**

1 Credit hour 30 Contact hour

Supports skill development for students registered in MAT 120, MAT 135, MAT 155, or MAT 156. Topics covered in this course include those defined in MAT 120/135/155/156 and/or any pre-requisite skills needed by the student. Students with Accuplacer scores EA 80-84, who are advised into MAT 120, MAT 135, MAT 155, or MAT 156, are required to co-enroll in this course.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NGQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

### **MAT 093 - Algebra Lab**

1 Credit hour 30 Contact hour

Supports skill development for students registered in MAT 121. Topics covered in this course include those defined in MAT 121 and/or any pre-requisite skills needed by the student. Students with Accuplacer scores EA 60-84, who are advised into MAT 121, are required to co-enroll in this course.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGQA 240+ or NGAF 235+, Accuplacer EA 60+, SAT Math 500+, ACT Math 19).

Corequisite: MAT 121.

### **MAT 103 - 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: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NGQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

### **MAT 107 - 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: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NGQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

### **MAT 120 - Mathematics for Liberal Arts: GT-MA1**

4 Credit hours 60 Contact hours

Develops mathematical and problem-solving skills. Appropriate technological skills are included. Content is selected to highlight connections between mathematics and the society in which we live. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics. Additional content will include one topic in geometry, numeration systems, decision theory, or management science. Graphing calculator required.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAR 265+, NGQA 240+, and NGAF 235+, Accuplacer EA 60+, SAT Math 500+, ACT Math 19+).

### **MAT 121 - College Algebra: GT-MA1**

4 Credit hours 60 Contact hours

Includes a brief review of intermediate algebra, equations and inequalities, functions and their graphs, exponential and logarithmic functions, linear and non-linear systems, selection of topics from among graphing of the conic sections, introduction to sequences and series, permutations and combinations, the binomial theorem, and theory of equations. Graphing calculator required.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAF 245+, Accuplacer EA 85+, ACT Math 23+, SAT Math 550+).

### **MAT 122 - 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 121 (grade C or higher) or or qualifying assessment scores (Next Generation Accuplacer NGAF 280+, Accuplacer CM 63+, SAT Math 560+, ACT Math 24+).

### **MAT 123 - 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: Qualifying assessment scores (Next Generation Accuplacer NGAF 280+, Accuplacer EA 85+, SAT Math 550+, ACT Math 23+).

### **MAT 125 - 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. Graphing calculator required.

Prerequisite: Successful completion of MAT 121 or MAT 123 (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer NGAF 280+, Accuplacer CM 63+, SAT Math 560+, ACT Math 24+).

### **MAT 135 - Introduction to Statistics: (GT-MA1)**

3 Credit hours 45 Contact hours

Explores and applies data presentation and summarization, introduction to probability concepts and distributions, statistical inference --estimation, hypothesis testing, comparison of populations, correlation and regression.

Prerequisite: Qualifying test scores (Next Generation Accuplacer NGAR 200+, NQA 200+, NGAF 200+, Accuplacer EA 20+, SAT Math 200+). Corequisite: MAT 136.

### **MAT 136 - Computer Applications for Statistics**

1 Credit hour 30 Contact hours

Utilizes statistical software to engage students in analyzing large real world data sets.

Corequisite: MAT 135.

### **MAT 155 - Integrated Math I**

3 Credit hours 45 Contact hours

Engages students in the concepts of school mathematics. Includes the recognition of numerical and geometric patterns and their applications to a variety of mathematical situations; mathematical problem-solving, reasoning, critical thinking, and communication; algebraic thinking, representation, analysis, manipulation, generalizations and extensions.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

### **MAT 156 - Integrated Math II**

3 Credit hours 45 Contact hours

Further MAT 155 concepts; includes fundamentals of probability, statistics, and Euclidean geometry. Mathematical problem-solving, reasoning, critical thinking and communication will continue to be an integral part of this sequence.

Prerequisite: Qualifying assessment scores (Next Generation Accuplacer NGAR 200+, NQA 200+, or NGAF 200+, Accuplacer EA 20+, SAT Math 200+).

### **MAT 166 - Pre-Calculus: (GT-MA1)**

5 Credit hours 75 Contact hours

Review course in college algebra and college trigonometry intended for those planning to take calculus. Includes algebraic manipulations, properties of algebraic and trigonometric functions and their graphs, trig identities and equations, conic sections, polar coordinates and parametric equations. Graphing calculator required.

Prerequisite: Successful completion of MAT 121 or 123 (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer NGAF 280+, Accuplacer CM 63+, SAT Math 560+, ACT Math 24+).

### **MAT 201 - Calculus I: GT-MA1**

5 Credit hours 75 Contact hours

Introduces single variable calculus and analytic geometry. Includes limits, continuity, derivatives, and applications of derivatives as well as indefinite integrals and some applications. Graphing calculator required.

Prerequisite: Successful completion of MAT 122 or MAT 166 (grade C or higher) or qualifying assessment scores (Accuplacer CM 103+, SAT Math 600+, ACT Math 25+).

### **MAT 202 - Calculus II: GT-MA1**

5 Credit hours 75 Contact hours

Continues the study of single variable calculus which will include techniques of integration, polar coordinates, analytic geometry, improper integrals, and infinite series. Graphing calculator required.

Prerequisite: Successful completion of MAT 201 (grade C or higher).

### **MAT 203 - Calculus III: GT-MA1**

4 Credit hours 60 Contact hours

Focuses the traditional subject matter of the Calculus. Topics include vectors, vector-valued functions, and multi-variable calculus including partial derivatives, multiple integrals, line integrals and application.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

### **MAT 204 - Calculus III with Engineering Applications: GT-MA1**

5 Credit hours 75 Contact hours

Focuses on the competencies established in MAT 203 Calculus III with an additional emphasis on word problems and problem solving. This is the third course in the three-course calculus sequence. This course will additionally contain a thorough examination of multiple integration. This will include double and triple integrals, line integrals, Stokes' and Green's Theorems, and their applications. A graphing calculator is required for this course.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

### **MAT 220 - Intro to Proof and Reasoning**

3 Credit hours 45 Contact hours

Introduces the beginning concepts of mathematical proofs and reasoning. The topics are: truth tables, propositional calculus, techniques of proofs (direct proofs, contrapositive proofs, proofs by contradiction), set theory, functions, one-to-one functions, onto functions, relations, equivalence relations, and induction.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

### **MAT 255 - Linear Algebra**

3 Credit hours 45 Contact hours

Explores vector spaces, matrices, linear transformations, matrix representations, eigenvalues, and eigenvectors. Graphing calculator required.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

### **MAT 261 - Differential Equations with Engineering Applications: GT-MA1**

4 Credit hours 60 Contact hours

This course introduces ordinary differential equations. The content of this course includes all the topics of MAT 265 Differential Equations with an additional emphasis on applications and problem solving. A graphing calculator is required for this course.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

### **MAT 265 - 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 202 (grade C or higher).

### **MAT 266 - 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 202 (grade C or higher).

### **MAT 275 - 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.

## **MGD - Multimedia & Graphic Design**

### **MGD 102 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent test scores.

**MGD 105 - 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 MGD 111, 112, and 114 (grade C or higher).

**MGD 111 - 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.

Prerequisite: Successful completion or concurrency in MGD 102 (grade C or higher) or department approval. .

**MGD 112 - 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.

Prerequisite: Successful completion or concurrency in MGD 102 (grade C or higher) or department approval. .

**MGD 114 - 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.

Prerequisite: Successful completion or concurrency in MGD 102 (grade C or higher) or department approval. .

**MGD 119 - Maya 1**

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.

Prerequisite: Film Video: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher).

**MGD 133 - 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 or concurrency in MGD 105 (grade C or higher) or department approval. .

**MGD 141 - 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.

Prerequisite: Successful completion of MGD 102 and CWB 110 (grade C or higher).

**MGD 143 - Motion Graphic Design I (Software)**

3 Credit hours 60 Contact hours

Stresses creation of animation and dynamic interactive media for web and multimedia applications to a professional standard. Students will learn how to develop projects for time-based media, key-frames, tweens and symbols. Students will learn how to use actions to trigger timeline events to create interactive behaviors.

Prerequisite: Successful completion of MGD 102 (grade C or higher).

**MGD 227 - 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.

Prerequisite: Successful completion of MGD 133 (grade C or higher).

**MGD 233 - Graphic Design II**

3 Credit hours 60 Contact hours

Continues instruction in idea development for advanced graphic design.

Prerequisite: Successful completion of MGD 133 (grade C or higher).

**MGD 241 - 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 141 (grade C or higher).

**MUS - Music Courses****MUS 100 - 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 106 - Intro 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 107 - Entrep/Artistry for Musicians**

3 Credits 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**MUS 110 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores. Corequisite: MUS 112 Ear Training/Sight Singing I.

### **MUS 111 - 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.

Prerequisite: Successful completion of MUS 110 (grade C or higher).

Corequisite: MUS 113 Ear Training/Sight Singing II.

### **MUS 112 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or

equivalent assessment scores. Corequisite: MUS 110 Music Theory I.

### **MUS 113 - 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.

Prerequisite: Successful completion of MUS 112 (grade C or higher).

Corequisite: MUS 111 Music Theory II.

### **MUS 120 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 121 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 122 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 123 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 125 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 126 - 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 131 - 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 141 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores. Regular attendance at and participation in student performances is required. Private lessons must be taken in sequence beginning with MUS 141. Please contact instructor after enrolling to schedule private lessons. .

### **MUS 142 - 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.

Prerequisite: Successful completion of MUS 141 (grade C or higher). Regular attendance at and participation in student performances is required. Private lessons must be taken in sequence beginning with MUS 141. Please contact instructor after enrolling to schedule private lessons. .

### **MUS 143 - 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.

Prerequisite: Successful completion of MUS 142 (grade C or higher). Regular attendance at and participation in student performances is required. Private lessons must be taken in sequence beginning with MUS 141. Please contact instructor after enrolling to schedule private lessons. .

### **MUS 144 - 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.

Prerequisite: Successful completion of MUS 143 (grade C or higher) or equivalent assessment scores. Regular attendance at and participation in

student performances is required. Private lessons must be taken in sequence beginning with MUS 141. Please contact instructor after enrolling to schedule private lessons. .

### **MUS 151 - Ensemble I**

1 Credit hour 30 Contact hours

Rehearses and performs various types of musical literature.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 152 - Ensemble II**

1 Credit hour 30 Contact hours

Rehearses and performs various types of musical literature.

Prerequisite: Successful completion of MUS 151 (grade C or higher).

### **MUS 153 - Ensemble III**

1 Credit hour 30 Contact hours

Rehearses and performs various types of musical literature.

Prerequisite: Successful completion of MUS 152 (grade C or higher).

### **MUS 154 - Ensemble IV**

1 Credit hour 30 Contact hours

Rehearses and performs various types of musical literature.

Prerequisite: Successful completion of MUS 153 (grade C or higher).

### **MUS 161 - 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 162 - 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.

Prerequisite: Successful completion of MUS 161 (grade C or higher) or Instructor's permission.

### **MUS 163 - Music Audio Production I**

3 Credit hours 45 Contact hours

Designed to give music majors and students with a strong interest in music a basic understanding of the Music Production process. This includes the basic knowledge of audio/music production, the fundamentals of sound and microphone, digital and analog technology, recording, and mixing.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 164 - Music Audio Production II**

3 Credit hours 45 Contact hours

Designed to build on the concepts of MUS 163, this class will be more project oriented with emphasis on using the techniques discussed in MUS 163. An emphasis on critical listening through each phase of the recording process will be made.

Prerequisite: Successful completion of MUS 163 (grade C or higher) or Instructor's permission.

### **MUS 167 - 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.

Prerequisite: Successful completion of MUS 107 (grade C or higher).

### **MUS 168 - 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.

Prerequisite: Successful completion of MUS 164 (grade C or higher).

### **MUS 169 - Project Management for Musicians**

3 Credits 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 175 - 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 210 - 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.

Prerequisite: Successful completion of MUS 111 (grade C or higher).  
Corequisite: MUS 212.

### **MUS 212 - Advanced Ear Training/Sight-singing I Lab**

1 Credit hours 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.

Prerequisite: Successful completion of MUS 113 (grade C or higher).  
Corequisite: MUS 210.

### **MUS 260 - 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.

Prerequisite: Successful completion of MUS 167 (grade C or better).

### **MUS 261 - 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.

Prerequisite: Successful completion of MUS 164 (grade C or higher).

### **MUS 262 - 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.

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Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 263 - 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.

Prerequisite: Successful completion of MUS 167 (grade C or better).

### **MUS 265 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **MUS 267 - 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.

Prerequisite: Successful completion of MUS 167 (grade C or higher).

### **MUS 268 - 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.

Prerequisite: Successful completion of MUS 168 (grade C or higher).

### **MUS 275 - 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 101 - 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: Successful completion of CCR 092 (grade C or higher) or equivalent test scores and department permission.

### **NUA 102 - Certification Exam Prep**

.5 Credit Hours                      7.5 Contact Hours

Help prepare the student for the state certification exam through mock testing.

Prerequisite: HPR 178 (grade C or higher) or taken at the same time as NUA 101.

### **NUA 170 - Nurse Aide Clinical Experience**

1 Credit hours                      30 Contact hours

Applies knowledge and skill gained in NUA 101 to patient care.

Prerequisite: Successful completion of NUA 101 (grade C or higher).

## **NUR - Nursing Courses**

### **NUR 213 - Professional Pathway to Nursing**

3 Credit Hours                      45 Contact Hours

Introduces students in the Integrated Nursing Pathway to professional nursing within the culture of healthcare safety and quality improvement. This course includes attributes, roles, and responsibilities of the professional nurse; essential knowledge, skills and attitudes required for team participation in a culture of safety and quality improvement; role of culture in the nurse-patient relationship; and interpersonal communication critical to the nurse-patient relationship.

Prerequisite: Acceptance into the Integrated Nursing Pathway.

## **OSH - Occupational Safety Technician Courses**

### **OSH 126 - 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 Approval Required.

### **OSH 127 - 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: Department Permission Required.

## **PAR - Paralegal Courses**

### **PAR 114 - 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 115 - Introduction to Law**

3 Credit hours                      45 Contact hours

Provides an understanding of the role of paralegals, issues facing paralegals, the working of the legal system, and ethical questions. Legal terminology and an overview of substantive areas of law will be discussed.

### **PAR 116 - Torts**

3 Credit hours                      45 Contact hours

Focuses on tort law, including negligence, intentional torts, and strict liability, with an emphasis on personal injury litigation.

### **PAR 117 - Family Law**

3 Credit hours 45 Contact hours

Emphasizes domestic law, common property, dissolutions, adoptions, legal separation, and other family law issues.

### **PAR 118 - Contracts**

3 Credit hours 45 Contact hours

Examines the basic principles of contract law.

### **PAR 125 - 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 201 - Civil Litigation**

3 Credit hours 45 Contact hours

Focuses on an intensive study of the legal process including the Federal and Colorado Rules of Civil Procedure.

Prerequisite: Successful completion of PAR 115 (grade C or higher) or permission of Program Coordinator.

### **PAR 202 - 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 115 (with C or better).

### **PAR 205 - Criminal Law**

3 Credit hours 45 Contact hours

Introduces basic concepts of criminal law and criminal procedure, including Colorado statutes and Rules of Procedure.

Prerequisite: Successful completion of PAR 115 (grade C or higher) or permission of Program Coordinator.

### **PAR 206 - Business Organizations**

3 Credit hours 45 Contact hours

Focuses on the study of the major types of business organizations.

Prerequisite: Successful completion of PAR 115 (grade C or higher) or permission of Program Coordinator.

### **PAR 207 - 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 115 (grade C or higher) or permission of Program Coordinator.

### **PAR 208 - 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 115 (grade C or higher) or permission of Program Coordinator.

### **PAR 209 - Constitutional Law**

3 Credit hours 45 Contact hours

Emphasizes the study of the powers of government as they are allocated and defined by the United States Constitution.

Prerequisite: Successful completion of PAR 115 (grade C or higher) or permission of Program Coordinator.

### **PAR 213 - Legal Research and Writing I**

3 Credit hours 45 Contact hours

Provides an introduction to legal research and writing.

Prerequisite: Successful completion of PAR 115 and ENG 121 (grade C or higher) or permission of Program Coordinator.

### **PAR 214 - 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 213 (grade C or higher) or permission of Program Coordinator.

### **PAR 216 - Employment Law**

3 Credit hours 45 Contact hours

Provides an understanding of legal issues in the area of employer/employee relationships.

Prerequisite: Successful completion of PAR 115 (grade C or higher) or permission of Program Coordinator.

### **PAR 218 - Bankruptcy Law**

3 Credit hours 45 Contact hours

Focuses on the federal and state laws and procedures involving bankruptcy.

Prerequisite: Successful completion of PAR 115 (grade C or higher) or permission of Program Coordinator.

### **PAR 227 - Immigration Law**

3 Credit hours 45 Contact hours

Provides an understanding of the United States Immigration Laws.

### **PAR 275 - Special Topics**

3 Credit hours 45 Contact hours

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

Prerequisite: Successful completion of PAR 115 and PAR 201 (grade C or higher) or permission of Program Coordinator.

### **PAR 280 - 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 115 (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 285 - 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 115 (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.

## **PED - Physical Education Courses**

### **PED 100 - Fitness Concepts**

1 Credit hour 15 Contact hours

Focuses on providing information and guidelines for moving toward a more healthy lifestyle. Includes classroom instruction, an individual fitness evaluation, computerized analysis of results, and a prescribed exercise program utilizing the equipment and exercise options available in the Fitness Center.



### **PED 101 - Conditioning Lab**

**1 Credit hour 15 Contact hours**

Offers an independent self-paced format of conditioning exercises to meet individual needs. Emphasizes the value of lifetime fitness and its contribution to achieving personal health and wellness. Students utilize cardio-respiratory, muscular strength and endurance exercises to promote positive changes in health-related fitness components.

### **PED 104 - Cross Training**

**1 Credit hour 15 Contact hours**

Introduces basic cross-training techniques designed to improve physical work capacity of an individual. Enables the student to gain an understanding of the basic principles of cross training, the effects cross training has upon the body's energy systems and muscles, program design and terminology.

### **PED 105 - Fitness Circuit Training**

**1 Credit hour 15 Contact hours**

Examines a number of different circuit training programs. Emphasizes the development of cardiovascular endurance, muscular strength and endurance, flexibility and a healthy body composition to meet individual needs.

### **PED 106 - Fire Academy Fitness**

**2.5 Credit hour 75 Contact hours**

Focuses on Basic Fire Academy students who are interested in improving total fitness. Includes an individual fitness evaluation, computerized analysis of results and a prescribed exercise program. Emphasizes improving cardiovascular fitness, muscular strength, muscular endurance and addressing any fitness deficiencies revealed in the initial testing.

### **PED 110 - Fitness Center Activity I**

**1 Credit hour 15 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 111 - Fitness Center Activity II**

**1 Credit hour 15 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 110 or Chair Approval.

### **PED 112 - Fitness Center Activity III**

**1 Credit hour 15 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 111 (grade C or higher) or Chair approval.

### **PED 113 - Fitness Center Activity IV**

**1 Credit hour 15 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 112 (grade C or higher) or Chair approval.

### **PED 129 - Zumba**

**1 Credit hour 30 Contact hours**

Zumba is a compilation of high energy, motivating music with unique moves and choreography combinations. Zumba fuses Latin and International music and dance themes to create a dynamic, exciting, effective fitness system. The routines feature aerobic/fitness interval training with a combination of fast and slow rhythms that tone and sculpt the body. Zumba utilizes the principles of fitness interval training and resistance training to maximize caloric output, fat burning and total body toning. It is a mixture of body sculpting movements with easy to follow dance steps.

### **PED 140 - Body Sculpting and Toning**

**1 Credit hour 15 Contact hours**

Introduces exercise techniques to improve overall physical fitness. Emphasizes the interaction between cardiovascular conditioning, muscular strength and endurance, flexibility and program design integrated into an aerobic format. Focuses on blending together different combinations and sequences of exercises while conditioning the entire body. Students exercise using various types of resistance equipment.

### **PED 143 - Yoga**

**1 Credit hour 15 Contact hours**

Offers a guided instruction in yoga. Students practice yoga according to their individual fitness levels and abilities. Emphasizes enhancing general health and well-being through the performance of yoga strength, flexibility, balance and relaxation techniques and exercises.

### **PED 144 - Yoga II**

**1 Credit hour 15 Contact hours**

Continues to build on the concepts of basic yoga. Increases awareness of yoga including physical and mental benefits.

Prerequisite: Successful completion of PED 143 (grade C or higher).

### **PED 161 - Tai Chi I**

**1 Credit hour 15 Contact hours**

Introduces Tai Chi as an expression of understanding of self-control, exercise and self-defense. The primary emphasis is to gain an understanding of the history (origins and changes) of Tai Chi, the movements and their names, application of movements and terminology.

### **PED 163 - Martial Arts**

**1 Credit hour 15 Contact hours**

Introduces basic martial arts techniques and forms designed to improve the physical and mental capacity of an individual. Enables the student to gain an understanding of the basic philosophies and concepts around the martial arts and the approach to ethics. Provides a clear-cut guide for developing a powerful sense of character and will.

### **PED 275 - 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.

### **PED 278 - Seminar/Workshop**

**1-12 Credit hours 15-180 Contact hours**

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

### **PED 280 - Internship**

**1-12 Credit hours 15-180 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 111 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### PHI 112 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### PHI 113 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### PHI 205 - Business Ethics (GT-AH3)

#### CURRENT COURSE, MISSED IN FIRST PUBLISHING

3 Credit hours 45 Contact hours

Examines philosophical theories about ethics and relevant subsidiary theories about the nature of justice in order to gather ethical decision-making criteria. Such criteria will be applied through logical argumentation to various moral issues and challenges in today's business environment. Issues covered will include economic distribution, the presuppositions of business, job discrimination, worker's rights, consumerism, advertising, responsibility to the environment, as well as compassionate and fair responsibility to society.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### PHI 214 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### PHI 218 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### PHI 220 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### PHI 275 - 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.

Prerequisite: Permission by instructor.

## PHO - Photography Courses

### PHO 226 - Digital Workflow Management

3 Credit hours 45 Contact hours

Teaches computer aided photography and darkroom techniques. The emphasis of this course is image-editing software, which can be used to color correct, retouch and composite photographic images. Other topics include image acquisition, storage, file management, special effects, hard copy and web based image output.

Prerequisite: Successful completion of ART 139 (grade C or higher).

### PHO 232 - Professional Portraiture

3 Credit hours 45 Contact hours

This course instructs the student in technical and aesthetic aspects of studio and location portrait photography. Studio lighting techniques including lighting ratios, lighting styles, location lighting, fill flash, light modifiers for portraiture, metering, composition, equipment and posing. Career paths in the field of portraiture such as weddings, environment and studio portraits, and school portraits will be covered.

Prerequisite: Successful completion of ART 139 (grade C or higher).

### PHO 260 - Events and Wedding Photography

3 Credit hours 60 Contact hours

Presents skills for the intermediate/advanced photo student interested in learning the professional techniques associated with events (venue) and wedding photography. There will be an emphasis on advanced camera and flash techniques, candid, formal and ceremonial photography. Business and planning aspects will also be covered. Topics covered will include Weddings, Bar mitzvah/ Bas mitzvah, Music Concerts, Sporting Events, Graduations and similar occasions. Students will gain hands-on knowledge and learn practical shooting skills.

Prerequisite: Successful completion of ART 139 (grade C or higher).

## PHY - Physics Courses

### PHY 111 - Physics: Algebra Based I with Lab (GT-SC1)

5 Credit hours 105 Contact hours

Covers the physics of mechanics and requires application of classical physics to both mathematical and conceptual problems. Major topics include kinematics in one and two dimensions, Newton's Laws, circular motion, work and energy, impulse and momentum, and rotational mechanics. This course may also include topics relating to simple harmonic motion and traveling and standing waves. This is a statewide Guaranteed Transfer course in the GT-SCI category.

Prerequisite: Successful completion of MAT 122 or MAT 166 (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer 280+, Accuplacer CM 63+, ACT Math 25+, SAT Math 600+).

### PHY 112 - Physics: Algebra Based II with Lab (GT-SC1)

5 Credit hours 105 Contact hours

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Covers the physics of electricity and magnetism and requires application of classical physics to both mathematical and conceptual problems. DC circuits involving resistors, capacitors, and batteries will be covered. Also covered are electromagnetic waves and geometric optics. This course may also include topics relating to simple harmonic motion, traveling and standing waves, and AC circuits. This is a statewide Guaranteed Transfer course in the GT-SC1 category.

Prerequisite: Successful completion of PHY 111 (grade C or higher).

### **PHY 211 - 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 201 (grade C or higher).

### **PHY 212 - 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 211 (grade C or higher).

### **PHY 213 - Physics: Calculus Based III Modern Physics**

3 Credit Hours 45 Contact Hours

Expands upon PHY 212 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 PHY 212 (grade C or higher).

## **POS - Political Science Courses**

### **POS 105 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **POS 111 - American Government (GT-SS1)**

3 Credit hours 45 Contact hours

Includes the background of the U.S. Constitution; the philosophy of American government; general principles of the Constitution, federalism, and civil liberties. Examines public opinion and citizen participation; political parties, interest groups, and the electoral process; and the structure and functions of the national government.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **POS 125 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **POS 205 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **POS 225 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **POS 285 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

## **PSY - Psychology Courses**

### **PSY 101 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 102 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 205 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 207 - Intro 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.

### **PSY 217 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### PSY 226 - 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.

Prerequisite: Successful completion of PSY 101 or PSY 102 (grade C or higher).

### PSY 235 - 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.

Prerequisite: Successful completion of PSY 101 or PSY 102 (grade C or higher).

### PSY 238 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### PSY 245 - 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: Successful completion of PSY 101 or PSY 102 (grade C or higher).

### PSY 249 - Abnormal Psychology (GT-SS3)

3 Credit hours 45 Contact hours

Examines abnormal behavior and its classification, causes, treatment, and prevention. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: Successful completion of PSY 101 or PSY 102 (grade C or higher).

### PSY 275 - 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.

## REE - Real Estate Courses

### REE 201 - Real Estate Broker I

6 Credit hours 90 Contact hours

Enables the student, in conjunction with REE 202 - 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: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### REE 202 - Real Estate Broker II

6 Credit hours 90 Contact hours

Enables the student, in conjunction with REE 201 - 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 201 (grade C or higher).

## SBM - Small Business Management

### SBM 285 - Independent Study

4 credit hours 60 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 or concurrency in ENP 209 (grade C or higher).

## SCI - Science Courses

### SCI 155 - 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: Successful completion of CCR 092, CCR 093, or CCR 094 or appropriate assessment scores and successful completion of MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA 240+, AF 235+, Accuplacer EA 60+, ACT Math 19+, SAT MAT 500+).

### SCI 156 - 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: Successful completion of CCR 092, CCR 093, or CCR 094 or appropriate assessment scores and successful completion of MAT 120 or higher (grade C or higher) or qualifying assessment scores (Next Generation Accuplacer AR 265+, QA 240+, AF 235+, Accuplacer EA 60+, ACT Math 19+, SAT MAT 500+).

## SOC - Sociology Courses

### SOC 101 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### SOC 102 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### SOC 205 - 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

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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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 207 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 215 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 218 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 220 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 231 - 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: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 275 - 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.

Prerequisite: Successful completion of CCR 092 or CCR 094 (grade C or higher) or equivalent assessment scores.

## **SPA - Spanish Courses**

### **SPA 111 - Spanish Language I**

5 Credit hours 75 Contact hours

Develops students' interpretive, interpersonal, and presentational communicative abilities in the language. Integrates these skills in the cultural contexts in which the language is used. Offers a foundation in the analysis of culture.

Prerequisite: Successful completion of CCR 092, (grade C or higher) or equivalent assessment scores.

### **SPA 112 - Spanish Language II**

5 Credit hours 75 Contact hours

Expands students' interpretive, interpersonal, and presentational communicative abilities in the language across the disciplines. Integrates these skills with the study of the cultures in which the language is used. Offers a foundation in the analysis of culture and develops intercultural communicative strategies.

Prerequisite: Successful completion of SPA 111 (grade C or higher) or permission by the Department Chair.

### **SPA 211 - 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 112 (grade C or higher) or permission by the Department Chair.

### **SPA 212 - 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 211 (grade C or higher) or permission by the Department Chair.

### **SPA 235 - 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 212 (grade C or higher) and Department Chair approval.

### **SPA 275 - 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.

Prerequisite: Permission by the Department Chair.

## **THE - Theatre Courses**

### **THE 105 - 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.

Prerequisite: Successful completion of CCR 092, (grade C or higher) or equivalent assessment scores (SS 70+, RC: 62+).

**THE 106 - 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 108 - 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 111 - 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.

Prerequisite: Successful completion of CCR 092, (grade C or higher) or equivalent assessment scores.

**THE 112 - 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.

Prerequisite: Successful completion of THE 111 or FVM 117 (grade C or higher) or permission of instructor.

**THE 115 - 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 116 - Technical Theatre**

3 Credit hours 60 Contact hours

Introduces hands-on methods of constructing and painting scenery and properties and operating stage lighting. Students also learn the proper procedures of using shop equipment and serving on stage crews.

Prerequisite: THE 105 is recommended.

**THE 124 - 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 126 - 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 131 - 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 132 - 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 140 - Stage Dialects**

1 Credit hour 15 Contact hours

Teaches students to develop skills in nine dialects and accents.

**THE 211 - Development of Theatre Greek-Renaissance (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: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores. THE 105 is also recommended.

**THE 212 - 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: Successful completion of CCR 092, 093, or 094, or ENG 121 (grade C or higher) or equivalent assessment scores; THE 105 is also recommended.

**THE 213 - Intermediate Acting I**

3 Credit hours 60 Contact hours

Continues Acting Theatre 112. Emphasis is on artistic concentration of voice and movement. A detailed character biography is required.

Prerequisite: Successful completion of THE 112 (grade C or higher).

**THE 215 - 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 216 - 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or permission of instructor.

**THE 220 - 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.

Prerequisite: Successful completion of THE 111 (grade C or higher) or permission of instructor.

**THE 226 - 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.

Prerequisite: Prerequisite: CCR 092 (grade C or higher) or equivalent test scores.

**THE 231 - Theatre Production III**

3 Credit hours 45 Contact hours

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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 232 - 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 275 - 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 101 - 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: Successful completion of ENG 121 (grade C or higher) or enrollment in ENG 121 concurrency, successful completion of SPA 235 (grade C or higher) and the Permission by Department Chair. \*Note: SPA 235 will be waived if the student's target language is not Spanish.

### **TRI 103 - 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: Enrollment in or completion of TRI 101 (grade C or higher) or permission of the Department Chair.

### **TRI 104 - 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 TRI 101 (grade C or higher) or enrollment in TRI 101 concurrency, or the Permission by Department Chair.

### **TRI 175 - 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.

### **TRI 180 - Internship**

**0-12 Credit hours 15-90 Contact hours**

Prerequisite: Permission by Department Chair.

### **TRI 201 - 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: Enrollment in or successful completion of TRI 101 (grade C or higher) or permission by the Department Chair.

### **TRI 202 - 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 101 (grade C or higher) or permission by the Department Chair.

### **TRI 203 - 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 101 (grade C or higher) or permission by the Department Chair.

### **TRI 204 - 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 201 (grade C or higher) or permission by department chair.

### **TRI 205 - 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 202 (grade C or higher) or permission by department chair.

### **TRI 275 - 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.

## **WST - Women's Studies Courses**

### **WST 200 - Introduction to Women's Studies (GT-SS3)**

3 Credit hours 45 Contact hours

Explores the interdisciplinary field of women's studies. This course is an examination of the following topics: the historical basis of gender inequality; the history of social movements for gender equality and women's studies; women's achievements throughout history in various professional and academic fields; women's social, economic, religious, health and political status in the U.S. and around the globe; gender relations; intersectionality; cultural, media and artistic representations of women. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment score.

# 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 Services division, one can be assured there is always qualified support.

This section introduces our list of administrative and program leaders, as well as a complete listing of our outstanding faculty. For complete phone numbers and room numbers, students can consult the CCA Directory online, <https://www.ccaurora.edu/directory>.

## Office of the President

### Office of the President

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### CCA Foundation

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