

# CATALOG



COMMUNITY  
**COLLEGE**  
of AURORA

**2018-2019**

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# 2018-2019 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 2018

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

## 2018 Summer Semester

Registration begins • April 2, 2018

Classes begin • May 29, 2018

Independence Day (college closed) • July 4, 2018

Classes End • August 6, 2018

## 2018 Fall Semester

Registration begins • April 23, 2018

Classes begin • August 20, 2018

Labor Day (college closed) • September 3, 2018

Faculty In-Service (college open, no classes) • November 20, 2018

Thanksgiving (no classes) • November 21-24, 2018

Classes End • December 8, 2018

## 2019 Spring Semester

Registration begins • November 5, 2018

Classes begin • January 22, 2019

Spring Break (college open, no classes) • March 25 - 30, 2019

Classes End • May 13, 2019

Commencement Ceremony • May 11, 2019

## 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

*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 • Enrollment Services for Concurrent Enrollment • Financial Aid • International Affairs • Military & Veteran Services • Student Affairs Administration • Student IDs • Welcome Center

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

### Student Centre

1st Floor: Bookstore • Cafe • Quiet Study Areas • Rotunda • Student Success Center • TRiO Student Support Services • 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) • Social Sciences Department

### 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 • Math Department • Online Learning • Philosophy Department • Translation and Interpretation • World Languages

## 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

Adult Basic Education • Aurora Language Center – Community ESL • Career Center • Career Advising • 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

# 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, 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

According to the Association of American Colleges & Universities **Inclusive Excellence** is:

"...an active process through which colleges and universities achieve excellence in learning, teaching, student development, institutional functioning, and engagement in local and global communities" (AACU, 2016, para. 2).

References: Association of American Colleges & Universities. (2016). *Making excellence inclusive*. Retrieved from <http://aacu.org/making-excellence-inclusive>

## 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.

## Lifelong Skills

The Community College of Aurora faculty has identified a common set of six skills for student success in every aspect of life. These skills are foundational for everyone, whether pursuing educational goals, resolving personal issues, or



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maneuvering the intricacies of the workplace. The college assesses student learning of these skills to improve the quality of education. The six skills are:

Communication • Critical inquiry

Personal and Social Responsibility • Quantitative Reasoning

Technology • Aesthetics

## **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, ConnectED. Metro-area radio and television stations make announcements regarding school closings. Many of the television stations also post closures on their websites.

## **ConnectED: Campus Alert System**

Students are encouraged to update their "CCA Alert System" information, through MyCCA. This system will allow CCA to contact you quickly in the event of a campus or weather emergency.

# 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. New Students

CCA has an exciting tool that will help you manage your account and your progress towards graduation. Please login to your CCA Navigate account using the username and password you use to access your MyCCA account.

<https://ccaurora.navigate.eab.com>

### or Transfer Students

Have you previously completed college-level English or math courses? CCA will accept prior college transcripts showing successful completion of English and math courses. Submit your transcripts as soon as possible.

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

**4. Apply for 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)

**5. 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. You will activate your email by logging in to your MyCCA account and clicking the "Student Email" link in the top right of the page. Instructions will be included in your Welcome letter from CCA.

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

**6. 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)

**7. Meet the Assessment Requirement** - Before meeting with a Pathways Advisor, students must meet assessment requirements in the areas of math, reading and English. CCA can accept previous assessment tests scores or you can test on campus. CCA will accept ACT, SAT, CCPT, and Accuplacer scores as long as they are less than five years old. Students who graduated

from High School within 18 months of enrollment can also complete the Pre-Assessment Questionnaire to find out if they qualify for testing exemptions.

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

**8. Meet With a Pathways Advisor** - After meeting assessment requirements, you are ready to meet with a Pathways Advisor. Your 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)

**9. Register for Classes** - Login to your MyCCA account and register for courses from the Add/Drop courses link on the Dashboard or from CCA Navigate. 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)

**10. 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)

**11. Do You Have a Plan to Pay for Your Classes?** - Don't lose your spot in your classes! Each semester, CCA publishes a tuition due-date. You must have your payment arrangements FINALIZED by the deadline to hold your spot in classes. CCA recommends that you complete a payment plan as soon as you register. Signing up early allows you a small (or zero) down payment and spreads out your payments over several months. Financial Aid will only hold your spot in classes if you have received an award letter.

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

**12. Attend Orientation** - Your next step to begin at CCA is to sign up for and attend a New Student Orientation. Orientation is a key step in setting you up for success. 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. First-time college students are required to attend orientation, but all students can benefit from attending!

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

**13. 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)

**14. Choose a refund preference** - A little more than a week after you register for classes, your BankMobile refund card will arrive in the mail (look for the bright green envelope). This card will be used to apply your financial aid or any other refund, so it is important that you look for the card and activate it when it arrives!

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

## New Student Advising

All new students who have never attended college are required to meet with a pathways advisor as part of the 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 Pathways 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 must see the international student advisor in the Advising Department, CentreTech Campus, Administration Building, Room A106, 303-340-7508. 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) or call 303-340-7508. International students are required to complete the following steps:

1. Apply to the Community College of Aurora at:

<https://ccaurora.elluciancrmrecruit.com/Admissions/Pages/welcome.aspx>

2. Complete the International Student Intake Form.

[http://class.ccaurora.edu/MyCCA/Files/Advisor/International\\_Advising/Intake\\_Form.pdf](http://class.ccaurora.edu/MyCCA/Files/Advisor/International_Advising/Intake_Form.pdf).

3. Complete the Affidavit of Financial Support and include a bank statement with the required amount of funds available.

[http://class.ccaurora.edu/MyCCA/Files/Advisor/International\\_Advising/Affidavit\\_of\\_Financial\\_Support.pdf](http://class.ccaurora.edu/MyCCA/Files/Advisor/International_Advising/Affidavit_of_Financial_Support.pdf)

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. Payment of a \$75 non-refundable application charge

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	Two weeks before classes start

Spring	November 15	Two weeks before classes start
Summer	Not advised for new students	Two weeks before classes start

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>

1. 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.
2. International students must complete payment arrangements before classes start each semester.
3. Academic Standards of Progress Policy must be followed.
4. Off-campus work is not allowed without prior permission of the international student advisor and ICE.
5. 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 a Pathways 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 <http://www.ccs.edu/wp-content/uploads/2012/08/BP4-10.pdf>. 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 Pathways 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

Pathways advisors are available to guide students in choosing the correct Academic Pathway, degree or certificate program. 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 will receive group advising as a part of New Student Orientation. Students who need further assistance will be encouraged to make an individual advising appointment with Advising. New student orientation will provide students with information about 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 advisor periodically as they progress through their educational programs. 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 the online advisor at [OnlineAdvisor@CCAurora.edu](mailto:OnlineAdvisor@CCAurora.edu) using their college assigned e-mail account. Replies are provided by the next business day.

## Non-Degree Seeking Students

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

## Financial Aid Student Advising

All students receiving financial aid should contact a Pathways 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. Pathways Advisors 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 pathways 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 Program (TSP):

## 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 discouraged and may require approval from the Dean of Academic Affairs. 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 discouraged and may require approval from the Dean of Academic Affairs. See the Admissions, Registration and Records Office, CentreTech Campus, Administration Building, Room A102, 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 Pathways 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 Schedule of Classes 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 College occurs when you register for classes. Failure to attend class does not release you from financial responsibility. Students who drop classes before 15% of the class has expired will receive a 100% tuition refund. No refunds are granted after the first 15% of the class (Drop Date). If you withdraw from classes after the Drop Date and have an unpaid balance, you are responsible for full payment. CCA forwards unpaid accounts to State Collections. The State of Colorado withholds balances due from Colorado tax refunds. Financial aid recipients who officially or unofficially withdraw from the College may owe a repayment of Title IV funds received. Lack of receipt of a bill does not relieve you of your financial obligation to the College. A student who is financially obligated to the college in any way will be denied a transcript and will not be allowed to register for subsequent sessions until satisfactory payment arrangements are made with the College. Before registering for classes, students will need to sign the "Payment Agreement Form" electronically or by paper form each term. Contact the Fiscal Affairs Department for more information.

## Tuition and Fees Payment

Sponsored students must bring proof of sponsorship to the Accounts Receivable office by the tuition due date specified in the Schedule of Classes.

Students who are not receiving financial aid and who are not being sponsored by a third party should be prepared to pay 100 percent of their tuition and fees. See the current Schedule of Classes for specific due dates. Tuition and fees may be paid by cash, personal check, MasterCard, VISA or Discover Card.

Students who cannot afford to pay their tuition and fees in full may create a payment plan. Plan details and deadlines are in the semester Schedule of Classes. A non-refundable fee will be assessed when you setup a payment plan. See the current Schedule of Classes for the list of non-refundable fees.

## Refund Policy

The Community College of Aurora will issue refunds based on the following:

### Official Drop by Refund Date

1. Full refund (100 percent) of tuition and student fees is granted to students for classes officially dropped through the refund date. The refund date for regularly scheduled classes is published in the schedule. All other refunds are based on 15 percent of the class meeting times. For further information about class refund dates, call 303-360-4700 before the starting date of the class.
2. No refunds are given after the refund date. In certain circumstances, there are options to appeal if you experienced a documented emergency (death of an immediate family member, illness, injury, etc.) during the semester or unresolved problems in the classroom. Please see the Office of Admissions, Registration & Records or the Office of Student Intervention and Conduct for assistance.

### Class Cancellations

When a class section is cancelled by the college for any reason, 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

A refund is automatically initiated when a class is cancelled by the college or dropped by the student before the refund date. A refund will not be made if there is an outstanding balance on the student's account. If a financial aid recipient is eligible for a refund, the funds received must be returned to the student's financial aid account. A reduction in the award may be required. Financial aid recipients must contact the Financial Aid office regarding refund requirements, CentreTech Campus, Administration Building, Room A103.

## Drop for Non-Payment

The Community College of Aurora (CCA) monitors and drops students from classes due to non-payment of tuition and fees in order to help students avoid incurring extraneous tuition bills and to reduce the number of tuition bills needing to go to collections. CCA runs regular monitoring reports and notifies students that they need to make payment arrangements for outstanding tuition and fees or be dropped from their class(es) due to non-payment. Monitoring and notifications begin at least two weeks before classes start and continue weekly until all late-starting classes are captured. Students who have not made a payment or set up a payment plan by the published deadline will be dropped from their class(es). Once the semester payment deadline has passed, payment is required within one business day. A student should not rely only on the drop for non-payment process to remove them from classes they do not wish to attend. A student should always verify their course schedule by the published drop dates.

## 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 <http://www.ccs.edu/wp-content/uploads/2012/08/Credit-for-Prior-Learning-Handbook.pdf>. 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 Pathways 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 (formerly DANES) 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, 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 Pathways 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 Pathways 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

Academic dishonesty includes cheating and plagiarism. Cheating is the unauthorized use of assistance with intent to deceive an instructor or any other individual responsible for evaluating a student's work. The following are examples of academic dishonesty:

1. Submission of any materials not prepared by students but presented as their own.
2. The unauthorized possession and/or use of notes, books or the soliciting of assistance from another student during an examination.
3. Illegitimate possession or distribution of examinations, test materials, and/or answer keys to tests and examinations.
4. Plagiarism refers to the use of another person's work without giving proper credit to that person. A student must give proper credit through the use of appropriate citation format when (a) copying verbatim another person's work (e.g., words, phrases, sentences or entire passages); (b) paraphrasing another person's work (i.e., borrowing but rewording that person's facts, opinions or ideas); and (c) 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:

1. First offense: The student may receive an F or Zero as the grade for the assignment. In addition, the first incident may result in the loss of testing privileges in the Library for the current and next semester in which the

student is enrolled in the college. The student's name is added to the college wide academic dishonesty database by the associate dean of instruction.

2. Second offense: The student may receive an F for the course and may be expelled from the class. A second offense may also result in permanent loss of testing privileges in the Library.
3. Third offense: The student may receive an F for the course and may be expelled from the college, and will be referred to the student code of conduct system.

## 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 Pathways 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://higher.ed.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 Pathways 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://higher.ed.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 Pathways 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 Pathways 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://higher.ed.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 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 Pathways 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 in the Library, CentreTech Campus, Student Centre Building, Room S202, 303-340-7542, [instructor.testing@ccaaurora.edu](mailto:instructor.testing@ccaaurora.edu). Hours and further information are available in MyCCA in the Resources tab, the Academic Support channel.

### Testing Services

The Community College of Aurora Testing Center provides a variety of testing services for CCA students and the community, including:

- ACCUPLACER® (LOEP) English as a Second Language tests
- Online/Distance Learning Proctoring services
- CLEP®/DSST™ testing services
- TEAS
- More as demand arises, see the Testing Center web page for details

**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 Pathways 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 mission of the CARE (Conflict, Assistance, Resources & Empowerment) Team is to provide a safe inclusive environment for teaching and learning. The CARE Team is committed to student success and responding to the campus community by providing education, assessment, support and intervention for students through referral and assessment. These efforts consist of providing a central place for reporting behaviors of concern, gathering relevant information, proactively meeting with students, making referrals and taking other action as appropriate.

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 (303-340-7524), [Angie.Tiedeman@ccaaurora.edu](mailto:Angie.Tiedeman@ccaaurora.edu), or the Dean of Students.

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.

## 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 at the Lowry Campus on the second floor of the North Quad building in room 205 (9202 E. Severn Place, Denver, 80230). The resource 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 brief counseling to assist you in managing stress and anxiety, overcoming depression, recovery from grief and loss, coping with life challenges, relationship issues, and more. Licensed counselors will meet with you, listen and help figure out options to address individual problems and challenges, crisis or mental health concerns. To schedule an appointment, please call the Counseling Services Appointment Line at 303-360-4949 or email [Counseling-CCA@CCAurora.edu](mailto:Counseling-CCA@CCAurora.edu).

If you are experiencing a mental health crisis, please call the Colorado Crisis Line at 844-493-TALK (8255), 911 or go to the nearest emergency room.

## 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
- 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. You can pay cash or credit at the CCA cashiers office. For students with financial aid you can charge a selected meal plan dollar amount to your CCA account (must have been awarded financial aid). You can use the Paragon Meal Plan Card at both the CentreTech and Lowry Campuses. For more information, visit <https://www.ccaurora.edu/cca-paragon-meal-plan>.

## Military and Veteran Services

### VA Benefits

Veterans can use your educational benefits at CCA. The veteran certifying official will complete the certification once a Request for Certification is submitted each semester through D2L. All questions and forms should be submitted to Military & Veteran Services, CentreTech Campus, Administration Building, Room A106H, 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 your 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 your 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 your third semester to continue to have your enrollment certified 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. Students are responsible for ensuring that satisfactory arrangements have been made for payment of your 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 your 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 Intervention & Conduct Office in the Division of Student Affairs provides support services; resources and guidance to help our students overcome obstacles to college completion, transfer and employment. The office assures a safe campus community, strengthens personal responsibility and accountability through campus wide assessment, case management, collaboration and training. Contact 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) helps students with accommodations, to create an equitable learning environment and prepares students for academic success through information, resources, and tools. ODE provides alternate media, assistive technology, interpreter services, service and support animals, and more.

Accommodation requests may be made by completing the online needs assessment form at <http://www.ccaurora.edu/disability/forms>. Please make an appointment if you need assistance with the online form. 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.

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).

### Additional Resource

Contact the Rocky Mountain Disability and Business Technical Assistance Center, 1-800-949-4232, or go online at [www.adainformation.org](http://www.adainformation.org).

## 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

CTC, Student Success Centre, Room S101

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 Services** - serves students interested in completing their associate's degree and transferring to a four year college to earn a bachelor's degree.
- **TRiO Student Support Services (SSS)** - serves first-generation college 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 who are designated as low income or who have a documented disability and is specifically designed for students whose native language is not English.
- **Brother to Brother Program** – The B2B program's mission is to provide those who identify as male, the support and tools for success in academics and life.
- **Red Fox Summer College Access and Success Program** – The Red Fox Summer College Access and Success program is a partnership between the Community College of Aurora and Aurora Public schools with funding from the Colorado Opportunity Scholarship Program. This is a two-year program of intensive, transitional supports that begin after the student's Junior year of high school and continues through the first 60 credits of their college degree.
- **Partner Programs** - the Student Success Center also serves cohorts of students who receive a third-party scholarship, such as COSI, Mile High United Way, Denver Scholarship Foundation, GEAR Up and the Boundless Opportunity Scholarship. Additionally, the Center provides support for all CCA students participating in the ASCENT program from Aurora Public Schools, Cherry Creek Public Schools and Denver Public Schools.

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 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 tutoring 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 campuses, TRANSFERmation sessions for specific colleges and universities, and individual meetings with transfer representatives from college and universities. To find out more about our



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programs and to learn how to get involved stop by the Student Success Center  
in the Student Centre Room S101.

# MY STUDENT RECORD

## 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 Pathways Advisor.

## 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.

## 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:

1. 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
2. Membership in Phi Theta Kappa - cumulative GPA of 3.5 or above, with a minimum of 12 semester hours in residency at CCA.
3. 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 Pathways 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 Pathways 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 Pathways or Program 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 Pathways 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 Pathways 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 Pathways or Program 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 Pathways Advisor is required to register for a class for the third (and any 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

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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 Pathways Advisor's signature. A student concerned about a poor academic record is encouraged to meet with a Pathways 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 Pathways Advisors 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 Pathways 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. 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 Pathways 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 mail of their graduation status.

## Reverse Transfer

Reverse Transfer, also known as "Degrees within Reach", 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

Students need to conduct themselves in a manner compatible with the college's function as an educational institution. CCA expects each student to obey the federal, state, and municipal laws, as well as college regulations.

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. Examples of misconduct subject to disciplinary action and associated procedures may be found online at <http://www.ccaurora.edu/students/student-right-know/code-of-conduct>.

## Student Code of Conduct and Grievance Procedures

Students need to conduct themselves in a manner compatible with the college's function as an educational institution. CCA expects each student to obey the federal, state, and municipal laws, as well as college regulations.

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. Examples of misconduct subject to disciplinary action and associated procedures may be found online at <http://www.ccaurora.edu/students/student-right-know/code-of-conduct>.

## Student Code of Conduct and Grievance Procedures

Upon enrolling at the college, you assume an obligation to conduct yourself 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. 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.ccs.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 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. Please note: In most circumstances, the college will treat attempts to commit code of conduct violations as if those attempts had been completed.
- Violations of the above may result in, but are not limited to fines, restitution, community service, and/or disciplinary procedures.
- 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 them that they are 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, 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 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 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.

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- 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 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 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.

### Special Grievance 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 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 them 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.

### 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 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:

## Prefix

Each course has a three-letter code designating the instructional department or division.

Prefix	Instructional Department or Division
AAA	Academic Achievement Strategies
ACC	Accounting
ANT	Anthropology
ART	Art
ASL	American Sign Language
AST	Astronomy
BIO	Biology and Biotechnology
BTE	Business Technology
BUS	Business
CCR	College Composition and Reading
CHE	Chemistry
COM	Communication
CIS	Computer Information Systems
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
EMP	Emergency Management & Planning
EMS	Emergency Medical Services
ENG	English
ENP	Entrepreneurship
ENV	Environmental Science
ESL	English as a Second Language
ETH	Ethnic Studies
FST	Fire Science Technology
FVM	Film and Video Media
GEO	Geography
GER	German
GEY	Geology
HIS	History
HPR	Health Professional

HUM	Humanities
HWE	Health Wellness
JOU	Journalism
LEA	Law Enforcement
LIT	Literature
MAN	Management
MAR	Marketing
MAT	Math
MGD	Multimedia Graphic Design
MUS	Music
NUA	Nursing Assistant
NUR	Nursing
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

## 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



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Some courses require another course or special permission before enrolling. For example, students cannot enroll in MAT 121 until MAT 055 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 179 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).

# ASSOCIATE DEGREES AND CERTIFICATES

## Guarantee Transfer Courses

AGE 102	Agriculture Economics (GT-SS1)	3	CRJ 110	Introduction to Criminal Justice (GT-SS3)	3
AGY 240	Introductory Soil Science with Lab (GT-SC1)	4	DAN 125	History of Dance I (GT-AH1)	3
ANT 101	Cultural Anthropology (GT-SS3)	3	ECO 101	Economics of Social Issues (GT-SS1)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1	ECO 201	Principles of Macroeconomics (GT-SS1)	3
ANT 103	Archaeology Lab (GT-SS3)	1	ECO 202	Principles of Microeconomics (GT-SS1)	3
ANT 104	Physical Anthropology Lab (GT-SS3)	1	ECO 211	Gender in the Economy (GT-SS1)	3
ANT 107	Introduction to Archaeology (GT-SS3)	3	ECO 245	Issues in Environmental Economics (GT-SS1)	3
ANT 108	Archaeology of World Rock Art (GT-SS3)	3	ENG 121	English Composition I (GT-CO1)	3
ANT 111	Biological Anthropology w/Lab (GT-SC1)	4	ENG 122	English Composition II (GT-CO2)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3	ENG 201	Composition III: Writing for Public Discourse (GT-CO3)	3
ANT 215	Indians of North America (GT-SS3)	3	ENV 101	Environmental Science w/Lab (GT-SS1)	4
ANT 250	Medical Anthropology (GT-SS3)	3	ENV 110	Natural Disasters (GT-SC2)	3
AGR 260	World Interdependence - Population and Food (GT-SS3)	3	ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
ART 110	Art Appreciation (GT-AH1)	3	FRE 211	French Language III (GT-AH4)	3
ART 111	Art History - Ancient to Medieval (GT-AH1)	3	FRE 212	French Language IV (GT-AH4)	3
ART 112	Art History – Renaissance to Modern (GT-AH1)	3	GEO 105	World Regional Geography (GT-SS2)	3
ART 207	Art History - 1900 to Present (GT-AH1)	3	GEO 106	Human Geography (GT-SS2)	3
AST 101	Astronomy I with Lab (GT-SC1)	4	GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
AST 102	Astronomy II with Lab (GT-SC1)	4	GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
AST 150	Astrobiology: Life in the Universe (GT-SC2)	3	GER 211	German Language III (GT-AH4)	3
AST 155	Astronomy of Ancient Cultures (GT-SC2)	3	GER 212	German Language IV (GT-AH4)	3
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3	GEY 108	Geology of U.S. National Parks (GT-SC2)	3
BIO 103	Principles of Animal Biology (GT-SC2)	3	GEY 111	Physical Geology, with Lab (GT-SC1)	4
BIO 104	Biology: A Human Approach (GT-SC1)	4	GEY 112	Historical Geology, with Lab (GT-SC1)	4
BIO 105	Science of Biology with Lab (GT-SC1)	4	GEY 135	Environmental Geology,with Lab (GT-SC1)	4
BIO 111	General College Biology I with Lab (GT-SC1)	5	HIS 101	Western Civilization: Antiquity - 1650 (GT-H11)	3
BIO 112	General College Biology II with Lab (GT-SC1)	5	HIS 102	Western Civilization: 1650 - Present (GT-H11)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3	HIS 111	The World: Antiquity - 1500 (GT-H11)	3
BIO 201	Human Anatomy and Physiology I with Lab (GT-SC1)	4	HIS 112	The World: 1500 - Present (GT-H11)	3
BIO 202	Human Anatomy and Physiology II with Lab(GT-SC1)	4	HIS 121	US History to Reconstruction (GT-H11)	3
BIO 204	Microbiology with Lab (GT-SC1)	4	HIS 122	US History Since Civil War (GT-H11)	3
BIO 208	General College Microbiology with Lab (GT-SC1)	5	HIS 203	Civil War Era in American History (GT-H11)	3
BIO 220	General Zoology with Lab (GT-SC1)	5	HIS 205	Women in World History (GT-H11)	3
BIO 221	Botany with Lab (GT-SC1)	5	HIS 207	American Environmental History (GT-H11)	3
BIO 224	Genetics (GT-SC1)	4	HIS 208	American Indian History (GT-H11)	3
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5	HIS 215	Women in U.S. History (GT-H11)	3
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5	HIS 218	History of Science and Technology (GT-H11)	3
CHE 105	Chemistry in Context (GT-SC1)	5	HIS 225	Colorado History (GT-H11)	3
CHE 111	General College Chemistry I with Lab (GT-SC1)	5	HIS 235	History of the American West (GT-H11)	3
CHE 112	General College Chemistry II with Lab (GT-SC1)	5	HIS 236	U.S. History Since 1945 (GT-H11)	3
COM 220	Intercultural Communication (GT-SS3)	3	HIS 243	History of Modern China (GT-H11)	3
			HIS 244	History of Latin America (GT-H11)	3
			HIS 245	U.S. in the World (GT-H11)	3
			HIS 246	History of Mexico (GT-H11)	3
			HIS 247	20th Century World History (GT-H11)	3
			HIS 249	History of Islamic Civilization (GT-H11)	3
			HIS 250	African American History (GT-H11)	3

HIS 251	The History of Christianity in the World (GT-HI1)	3	PHI 111	Introduction to Philosophy (GT-AH3)	3
HIS 255	The Middle Ages (GT-HI1)	3	PHI 112	Ethics (GT-AH3)	3
HIS 259	Modern Middle East (GT-HI1)	3	PHI 113	Logic (GT-AH3)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3	PHI 114	Comparative Religions (GT-AH3)	3
HIS 265	Writing about History (GT-CO3)	3	PHI 115	World Religions-West (GT-AH3)	3
HUM 103	Introduction to Film Art (GT-AH2)	3	PHI 116	World Religions-East (GT-AH3)	3
HUM 115	World Mythology (GT-AH2)	3	PHI 205	Business Ethics (GT-AH3)	3
HUM 121	Humanities: Early Civilizations (GT-AH2)	3	PHI 214	Philosophy of Religion (GT-AH3)	3
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3	PHI 218	Environmental Ethics (GT-AH3)	3
HUM 123	The Modern World (GT-AH2)	3	PHI 220	Philosophy of Death and Dying (GT-AH3)	3
ITA 211	Italian Language III (GT-AH4)	3	PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
ITA 212	Italian Language IV (GT-AH4)	3	PHY 107	Energy Science and Technology, with Lab (GT-SC1)	4
JPN 211	Japanese Language III (GT-AH4)	3	PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
JPN 212	Japanese Language IV (GT-AH4)	3	PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
JOU 105	Introduction to Mass Media (GT-SS3)	3	PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
LIT 115	Introduction to Literature (GT-AH2)	3	PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
LIT 201	World Literature to 1600 (GT-AH2)	3	POS 105	Introduction to Political Science (GT-SS1)	3
LIT 202	World Literature after 1600 (GT-AH2)	3	POS 111	American Government (GT-SS1)	3
LIT 205	Ethnic Literature (GT-AH2)	3	POS 125	American State and Local Government (GT-SS1)	3
LIT 211	American Literature to Civil War (GT-AH2)	3	POS 205	International Relations (GT-SS1)	3
LIT 212	American Literature after Civil War (GT-AH2)	3	POS 215	Current Political Issues (GT-SS1)	3
LIT 221	British Literature to 1770 (GT-AH2)	3	POS 225	Comparative Government (GT-SS1)	3
LIT 222	British Literature since 1770 (GT-AH2)	3	PSY 101	General Psychology I (GT-SS3)	3
LIT 225	Introduction to Shakespeare (GT-AH2)	3	PSY 102	General Psychology II (GT-SS3)	3
LIT 246	Literature of Women (GT-AH2)	3	PSY 205	Psychology of Gender (GT-SS3)	3
LIT 259	Survey of African American Literature (GT-AH2)	3	PSY 217	Human Sexuality (GT-SS3)	3
LIT 268	Celtic Literature (GT-AH2)	3	PSY 226	Social Psychology (GT-SS3)	3
MAT 120	Mathematics for Liberal Arts: GT-MA1	4	PSY 227	Psychology of Death and Dying (GT-SS3)	3
MAT 121	College Algebra: GT-MA1	4	PSY 231	Positive Psychology (GT-SS3)	3
MAT 122	College Trigonometry: GT-MA1	3	PSY 235	Human Growth and Development (GT-SS3)	3
MAT 123	Finite Mathematics: GT-MA1	4	PSY 238	Child Development (GT-SS3)	3
MAT 125	Survey of Calculus: GT-MA1	4	PSY 240	Health Psychology (GT-SS3)	3
MAT 135	Introduction to Statistics: (GT-MA1)	3	PSY 249	Abnormal Psychology (GT-SS3)	3
MAT 166	Pre-Calculus: (GT-MA1)	5	PSY 265	Psychology of Personality (GT-SS3)	3
MAT 201	Calculus I: GT-MA1	5	RUS 211	Russian Language III (GT-AH4)	3
MAT 202	Calculus II: GT-MA1	5	RUS 212	Russian Language IV (GT-AH4)	3
MAT 203	Calculus III: GT-MA1	4	SCI 105	Science in Society (GT-SC2)	3
MAT 204	Calculus III with Engineering Applications: GT-MA1	5	SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
MAT 215	Discrete Mathematics: (GT-MA1)	4	SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4	SOC 101	Introduction to Sociology I (GT-SS3)	3
MAT 265	Differential Equations: GT-MA1	3	SOC 102	Introduction to Sociology II (GT-SS3)	3
MET 150	General Meteorology, with Lab (GT-SC1)	4	SOC 205	Sociology of Family Dynamics (GT-SS3)	3
MUS 120	Music Appreciation (GT-AH1)	3	SOC 207	Environmental Sociology (GT-SS3)	3
MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3	SOC 215	Contemporary Social Problems (GT-SS3)	3
MUS 122	Music History Early Romantic Period to the Present (GT-AH1)	3	SOC 216	Sociology of Gender (GT-SS3)	3
MUS 123	Survey of World Music (GT-AH1)	3	SOC 218	Sociology of Diversity (GT-SS3)	3
MUS 125	History of Jazz (GT-AH1)	3	SOC 220	Sociology of Religion (GT-SS3)	3
NRE 251	General Oceanography, with Lab (GT-SC1)	4	SOC 231	Sociology of Deviant Behavior (GT-SS3)	3
			SOC 237	Sociology of Death and Dying (GT-SS3)	3

SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3
THE 105	Theatre Appreciation (GT-AH1)	3
THE 108	Theater Script Analysis (GT-AH1)	3
THE 211	Development of Theater Greek-Renaissance (GT-AH1)	3
THE 212	Development of Theatre Restoration to Modern (GT-AH1)	3
THE 215	Playwriting (GT-AH1)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

## 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.

## 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 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-H11)

*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)
- Includes:

- Courses that integrate a lecture and laboratory
- Separately transcribed laboratories that have an GT-SC2 lecture course as a prerequisite or co-requisite
- 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 28 associate degrees with designations, thus allowing seamless transfer within the majors identified by the designations to any Colorado public four-year institution that offers 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. Courses with an "S/U" grade will not be eligible for Guaranteed Transferability. While a student is guaranteed not to have to complete more than 60 semester hours to graduate, 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. The CCCS offers degrees with designation in the following areas:

Anthropology - Associate of Arts

Art History - Associate of Arts

Biology - Associate of Science

Business - Associate of Arts

Chemistry - Associate of Science

Communication - Associate of Arts

Criminal Justice - Associate of Arts

Early Childhood Education - Associate of Arts

Economics - Associate of Arts

Elementary Education - Associate of Arts

English - Associate of Arts

Geography - Associate of Science

Geology - Associate of Arts

History - Associate of Arts

Mathematics - Associate of Science

Philosophy - Associate of Arts

Political Science - Associate of Arts

Psychology - Associate of Arts and Associate of Science

Sociology - Associate of Arts

Spanish - Associate of Arts

Studio Art- Associate of Arts

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 transfer 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://higher.ed.colorado.gov/Academics/Transfers/Students.html>.

# ASSOCIATE OF ARTS DEGREES (A.A.)

## Associate of Arts Degree Core

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 215	Discrete Mathematics: (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 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH <sub>2</sub> )	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH <sub>3</sub> )	3
PHI 115	World Religions-West (GT-AH <sub>3</sub> )	3
PHI 116	World Religions-East (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)**

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations 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)**

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3

ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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)**

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3

WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (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)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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)

AST 155	Astronomy of Ancient Cultures (GT-SC2)	3
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3
BIO 103	Principles of Animal Biology (GT-SC2)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3
ENV 110	Natural Disasters (GT-SC2)	3
GEY 108	Geology of U.S. National Parks (GT-SC2)	3
SCI 105	Science in Society (GT-SC2)	3

### Additional General Education Courses

Arts and Humanities, History, or Social and Behavioral Sciences

(3 credits any GT-AH, GT-HI, GT-SS)

Select one additional course from the courses listed above from any of the following gtPathways categories:

GT-AH1, GT-AH2, GT-AH3, GT-AH4, GT-HI1, GT-SS2, GT-SS3, GT-SS3

### 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

### Accounting

ACC 121	Accounting Principles I	4
ACC 122	Accounting Principles II	4
ACC 135	Spreadsheet Applications for Accounting	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 125	Fingerspelling	3
ASL 221	American Sign Language IV	3
ASL 222	American Sign Language V	3

### Anthropology

ANT 275	Special Topics in Anthropology	0-6
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ANT 275: Study Abroad

### 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



**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 125	Fingerspelling	3
ASL 221	American Sign Language IV	3
ASL 222	American Sign Language V	3

**Biology**

BIO 106	Basic Anatomy and Physiology	4
BIO 160	Introduction to Biotechnology	3
BIO 216	Human Pathophysiology	4
BIO 268	Cell Biology and Immunology	4
BIO 269	Nucleic Acid Techniques and Molecular Cloning	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
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

**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

**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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**Engineering**

Any EGG course 100 level or above

**English**

ENG 221	Creative Writing I	3
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

**French**

FRE 111	French Language I	5
FRE 112	French Language II	5

**German**

GER 111	German Language I	5
GER 112	German Language II	5

**Health Wellness**

HWE 100	Human Nutrition	3
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**Literature**

LIT 275	Special Topics: Survey of Chicano/a Literature	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 212	Negotiation/Conflict Resolution	3
MAN 225	Managerial Finance	3
MAN 226	Principles of Management	3
MAN 288	Practicum	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 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

**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 204	Voice and Articulation	2
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.

*NOTE: Senate Bill 10-088 (Two-Year College Degree Designations) authorized Colorado community colleges to offer two-year degree programs with academic designations. CCCS agreed to restrict two-year degree designations to only those programs for which valid statewide articulation agreements exist.*

*In collaboration with the four-year public institutions and the Department, the Colorado Community College System has designed and implemented 28 associate degrees with designations, thus allowing seamless transfer within the majors identified by the designations to any Colorado public four-year institution that offers a comparable baccalaureate degree program in the major field. The CCCS offers degrees with designations in the following areas:*

- Agriculture Business (Approved: 4/5/13; Effective: Fall 2013)
- Animal Science (Approved: 4/5/13; Effective: Fall 2013)
- Anthropology (8/1/2012)
- Art History (Approved 12/4/2014; Effective: Spring 2015)
- Biology (Approved 12/4/2014; Effective: Spring 2015)
- Business (4/1/2011)
- Chemistry (Approved 12/4/2014; Effective: Spring 2015)
- Communication (Approved 11/6/2014; Effective: Spring 2015)
- Criminal Justice (1/22/2013)
- Economics (4/1/2011)
- English (Approved 12/4/2014; Effective: Spring 2015)
- French (8/1/2012)
- Geography (Approved 9/4/2012; Effective: Fall 2014)
- Geology (Approved 12/4/2014; Effective: Spring 2015)
- History (4/1/2011)
- Horticulture Business Management (Approved 12/4/2014; Effective: Spring 2015)
- Mathematics (4/1/2011)
- Music (Approved 12/4/2014; Effective: Spring 2015)
- Philosophy (Approved 9/4/2014; Effective: Fall 2014)
- Physics (Approved 12/4/2014; Effective: Spring 2015)
- Political Science (8/1/2012)
- Psychology-BA (4/1/2011)
- Psychology-BS (4/1/2011)
- Sociology (8/1/2012)
- Soil & Crop Sciences (Approved: 4/5/13; Effective: Fall 2013)
- Spanish (4/1/2011)
- Studio Art (Approved 12/4/2014; Effective: Spring 2015)
- Theater (Approved: 12/4/2015; Effective: Spring 2015)

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.

## Anthropology Transfer Major, A.A.

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 215	Discrete Mathematics: (GT-MA1)	4
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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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)

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3

ANT 108	Archaeology of World Rock Art (GT-SS3)	3	BIO 224	Genetics (GT-SC1)	4
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3	CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
ANT 215	Indians of North America (GT-SS3)	3	CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
ANT 250	Medical Anthropology (GT-SS3)	3	CHE 105	Chemistry in Context (GT-SC1)	5
COM 220	Intercultural Communication (GT-SS3)	3	CHE 111	General College Chemistry I with Lab (GT-SC1)	5
CRJ 110	Introduction to Criminal Justice (GT-SS3)	3	CHE 112	General College Chemistry II with Lab (GT-SC1)	5
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3	ENV 101	Environmental Science w/Lab (GT-SS1)	4
JOU 105	Introduction to Mass Media (GT-SS3)	3	GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
PSY 101	General Psychology I (GT-SS3)	3	GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
PSY 102	General Psychology II (GT-SS3)	3	GEY 111	Physical Geology, with Lab (GT-SC1)	4
PSY 205	Psychology of Gender (GT-SS3)	3	GEY 112	Historical Geology, with Lab (GT-SC1)	4
PSY 217	Human Sexuality (GT-SS3)	3	GEY 135	Environmental Geology,with Lab (GT-SC1)	4
PSY 226	Social Psychology (GT-SS3)	3	MET 150	General Meteorology, with Lab (GT-SC1)	4
PSY 227	Psychology of Death and Dying (GT-SS3)	3	NRE 251	General Oceanography, with Lab (GT-SC1)	4
PSY 235	Human Growth and Development (GT-SS3)	3	PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PSY 238	Child Development (GT-SS3)	3	PHY 111	Physics: Algebra Based I with Lab (GT-SC1)	5
PSY 240	Health Psychology (GT-SS3)	3	PHY 112	Physics: Algebra Based II with Lab (GT-SC1)	5
PSY 249	Abnormal Psychology (GT-SS3)	3	PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
PSY 265	Psychology of Personality (GT-SS3)	3	PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
SOC 101	Introduction to Sociology I (GT-SS3)	3	SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SOC 102	Introduction to Sociology II (GT-SS3)	3	SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4
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			
SOC 237	Sociology of Death and Dying (GT-SS3)	3			
WST 200	Introduction to Women's Studies (GT-SS3)	3			
WST 225	Women and Social Action (GT-SS3)	3			
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3			
WST 249	Women's Sexuality (GT-SS3)	3			

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

One gtPathways Arts and Humanities Course

One gtPathways Social and Behavioral Sciences Course MUST BE GT-SS2 or GT-SS3 (3)

Please Note: Additional ANT courses beyond the four courses (12 credit hours) identified above may not count toward the Anthropology major at the receiving four-year institution. See explanation in Limitations section.

ANT 111: Some receiving institutions require a lab attached to this course, please consult with the receiving institution.

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

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

## 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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5

**Electives: 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.**

Degree Requirements: 60 credits

**General Education Requirements: 31-33 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 or 4 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 215	Discrete Mathematics: (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
DAN 125	History of Dance 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 Theater Greek-Renissance (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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)**

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3

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

## History

(3 credits- GT-H1)

Select 1 gtPathways course:

### Category I (GT-H1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-H1)	3
HIS 102	Western Civilization: 1650 - Present (GT-H1)	3
HIS 111	The World: Antiquity - 1500 (GT-H1)	3
HIS 112	The World: 1500 - Present (GT-H1)	3
HIS 121	US History to Reconstruction (GT-H1)	3
HIS 122	US History Since Civil War (GT-H1)	3
HIS 203	Civil War Era in American History (GT-H1)	3
HIS 205	Women in World History (GT-H1)	3
HIS 207	American Environmental History (GT-H1)	3
HIS 208	American Indian History (GT-H1)	3
HIS 215	Women in U.S. History (GT-H1)	3
HIS 218	History of Science and Technology (GT-H1)	3
HIS 225	Colorado History (GT-H1)	3
HIS 235	History of the American West (GT-H1)	3
HIS 236	U.S. History Since 1945 (GT-H1)	3
HIS 243	History of Modern China (GT-H1)	3
HIS 244	History of Latin America (GT-H1)	3
HIS 245	U.S. in the World (GT-H1)	3
HIS 247	20th Century World History (GT-H1)	3
HIS 249	History of Islamic Civilization (GT-H1)	3
HIS 250	African American History (GT-H1)	3
HIS 251	The History of Christianity in the World (GT-H1)	3
HIS 255	The Middle Ages (GT-H1)	3
HIS 259	Modern Middle East (GT-H1)	3
HIS 260	U.S. Foreign Relations History (GT-H1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category II (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

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

## Category III (GT-SS2)

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

## Category IV (GT-SS3)

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (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:

### Category I (GT-SC1)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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)

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3
BIO 103	Principles of Animal Biology (GT-SC2)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3
ENV 110	Natural Disasters (GT-SC2)	3
GEY 108	Geology of U.S. National Parks (GT-SC2)	3
SCI 105	Science in Society (GT-SC2)	3

### 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: 9-11 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.

## Business Transfer Major, A.A.

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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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-H1)

Select 1 course:

### Category I (GT-H1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-H1)	3
HIS 102	Western Civilization: 1650 - Present (GT-H1)	3
HIS 111	The World: Antiquity - 1500 (GT-H1)	3
HIS 112	The World: 1500 - Present (GT-H1)	3
HIS 121	US History to Reconstruction (GT-H1)	3
HIS 122	US History Since Civil War (GT-H1)	3
HIS 205	Women in World History (GT-H1)	3
HIS 207	American Environmental History (GT-H1)	3
HIS 208	American Indian History (GT-H1)	3
HIS 215	Women in U.S. History (GT-H1)	3
HIS 225	Colorado History (GT-H1)	3
HIS 236	U.S. History Since 1945 (GT-H1)	3
HIS 243	History of Modern China (GT-H1)	3
HIS 244	History of Latin America (GT-H1)	3
HIS 245	U.S. in the World (GT-H1)	3
HIS 247	20th Century World History (GT-H1)	3
HIS 249	History of Islamic Civilization (GT-H1)	3
HIS 250	African American History (GT-H1)	3
HIS 255	The Middle Ages (GT-H1)	3
HIS 260	U.S. Foreign Relations History (GT-H1)	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)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5



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CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5	
CHE 105	Chemistry in Context (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	
ENV 101	Environmental Science w/Lab (GT-SS1)	4	
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	
MET 150	General Meteorology, with Lab (GT-SC1)	4	
NRE 251	General Oceanography, with Lab (GT-SC1)	4	
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4	
PHY 107	Energy Science and Technology, 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)

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3	
AST 155	Astronomy of Ancient Cultures (GT-SC2)	3	
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3	
BIO 103	Principles of Animal Biology (GT-SC2)	3	
BIO 116	Introduction to Human Disease (GT-SC2)	3	
ENV 110	Natural Disasters (GT-SC2)	3	
GEY 108	Geology of U.S. National Parks (GT-SC2)	3	
SCI 105	Science in Society (GT-SC2)	3	

### 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.

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			

### 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 215	Discrete Mathematics: (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	
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)**

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations 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)**

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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)**

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1

ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

## Natural and Physical Sciences

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

Select two gtPathways courses, including at least one lab course.

### Category I (GT-SC1)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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)

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3
AST 155	Astronomy of Ancient Cultures (GT-SC2)	3
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3
BIO 103	Principles of Animal Biology (GT-SC2)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3
ENV 110	Natural Disasters (GT-SC2)	3
GEY 108	Geology of U.S. National Parks (GT-SC2)	3
SCI 105	Science in Society (GT-SC2)	3

### Additional Required Courses: 18 credits

Please note: if these credits are *not* required for the *major* at a receiving 4-year institution, they will be applied to the Bachelor's degree as *elective credit* 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

COM 226 Oral Interpretation of Literature recommended

AND

### Select two gtPathways courses:

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

### 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.

See an advisor for help with choosing electives.

## Criminal Justice Transfer Major, A.A.

Degree Requirements: 60 credits

### General Education Requirements: 31-33 credits

#### English and Communication

(6 credits – GT-CO1, GT-CO2)

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 215	Discrete Mathematics: (GT-MA1)	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

Note:

- Colorado Mesa University requires either MAT 120 or MAT 121

- University of Northern Colorado requires MAT 135

### Arts and Humanities

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

Select 2 gtPathways courses from two different categories (GT-AH1, GT-AH2, GT-AH3, GT-AH4).

#### 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (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)**

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations 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)**

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (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)**

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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)**

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3
AST 155	Astronomy of Ancient Cultures (GT-SC2)	3
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3
BIO 103	Principles of Animal Biology (GT-SC2)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3
ENV 110	Natural Disasters (GT-SC2)	3

GEY 108	Geology of U.S. National Parks (GT-SC2)	3
SCI 105	Science in Society (GT-SC2)	3

**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 231	Intro to Forensic Science and Criminalistics	3
CRJ 235	Delinquent Behavior	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
CNG 258	Digital Forensics	4
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

**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.**

A Colorado community college student who is planning to become an early childhood educator will sign a graduation plan at the community college that identifies the first 54 hours guaranteed to transfer to all teacher education programs at the following Colorado public four-year colleges: Adams State College, Colorado State University (Human Development), Fort Lewis College, Colorado Mesa University, Metropolitan State College of Denver (Human Development), University of Northern Colorado (Interdisciplinary Studies). This program is designed for students who want to teach through 3rd grade with state certification, or through age 4 without certification.

**Degree Requirements: 60 credits****General Education Requirements 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
ENG 122	English Composition II (GT-CO <sub>2</sub> )	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

**History**

(3 credits)

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

**Social and Behavioral Sciences**

(6 credits)

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

**Natural and Physical Sciences**

(8 Credits)

SCI 155	Integrated Science I - Physics and Chemistry (GT-SC <sub>1</sub> )	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC <sub>1</sub> )	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 contact transfer institution early in the program.

**Economics Transfer Major, A.A.****Degree Requirements: 60 credits****General Education Requirements: 37 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
ENG 122	English Composition II (GT-CO <sub>2</sub> )	3

**Mathematics**

(5 credits – GT-MA1)

MAT 201	Calculus I: GT-MA1	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 gtPathways Arts &amp; 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 111	Russian Language I	5
RUS 112	Russian Language II	5
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 gtPathways course:

### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3

HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	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:

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

### Category I (GT-SC1)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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



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GEY 135	Environmental Geology, with Lab (GT-SC1)	4	
MET 150	General Meteorology, with Lab (GT-SC1)	4	
NRE 251	General Oceanography, with Lab (GT-SC1)	4	
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4	
PHY 107	Energy Science and Technology, 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)

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3	
AST 155	Astronomy of Ancient Cultures (GT-SC2)	3	
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3	
BIO 103	Principles of Animal Biology (GT-SC2)	3	
BIO 116	Introduction to Human Disease (GT-SC2)	3	
ENV 110	Natural Disasters (GT-SC2)	3	
GEY 108	Geology of U.S. National Parks (GT-SC2)	3	
SCI 105	Science in Society (GT-SC2)	3	

## 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 Education Transfer Major, A.A.

A community college student who is planning to become an Elementary Education Teacher will sign a graduation plan at the community college that identifies the first 41 credit hours guaranteed to transfer to particular teacher education programs offered by Colorado public institutions of higher education. The courses are listed below.

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.

This agreement is between the Colorado Public Community/Junior Colleges and Adams State College, Colorado State University at Pueblo, Fort Lewis College, Colorado Mesa University, Metropolitan State College of Denver, University of Colorado at Boulder, University of Colorado at Colorado Springs, University of Colorado at Denver, University of Northern Colorado, and Western State College.

**Degree Requirements: 60 credits**

## General Education Requirements: 35 credits

### English and Communication

(9 credits – GT-CO1, GT-CO2)

ENG 121	English Composition I (GT-CO1)	3	
ENG 122	English Composition II (GT-CO2)	3	
COM 115	Public Speaking	3	

ENG 121: Must complete with a B or better.

### Mathematics

(6 credits)

MAT 155	Integrated Math I	3	
MAT 156	Integrated Math II	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	

### Social and Behavioral Sciences

(9 Credits)

GEO 105	World Regional Geography (GT-SS2)	3	
HIS 121	US History to Reconstruction (GT-HI1)	3	
POS 111	American Government (GT-SS1)	3	

### Humanities

(3 Credits – AH2)

Choose one course:

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 211	American Literature to Civil War (GT-AH2)	3	
LIT 221	British Literature to 1770 (GT-AH2)	3	

### Education Requirements: 6 credits

EDU 221	Introduction to Education	3	
PSY 238	Child Development (GT-SS3)	3	

### Electives: 19 credits

Total elective credits are based on Transfer Institution (Consult an advisor at the transfer institution to determine appropriate electives.)

## English Transfer Major, A.A.

**Degree Requirements: 60 credits**

### General Education Requirements: 34 credits

### English and Communication

(6 credits – GT-CO1, GT-CO2, GT-CO3)

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	
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AND		
ENG 201	Composition III: Writing for Public Discourse (GT-CO3)	3

## Mathematics

(3 credits – (GT-MA1)

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 215	Discrete Mathematics: (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 gtPathways courses

(NOTE: 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
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### 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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-H1)

Select one gtPathways course:

### Category I (GT-H1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-H1)	3
HIS 102	Western Civilization: 1650 - Present (GT-H1)	3
HIS 111	The World: Antiquity - 1500 (GT-H1)	3
HIS 112	The World: 1500 - Present (GT-H1)	3
HIS 121	US History to Reconstruction (GT-H1)	3
HIS 122	US History Since Civil War (GT-H1)	3
HIS 203	Civil War Era in American History (GT-H1)	3
HIS 205	Women in World History (GT-H1)	3
HIS 207	American Environmental History (GT-H1)	3
HIS 208	American Indian History (GT-H1)	3
HIS 215	Women in U.S. History (GT-H1)	3
HIS 218	History of Science and Technology (GT-H1)	3
HIS 225	Colorado History (GT-H1)	3
HIS 235	History of the American West (GT-H1)	3
HIS 236	U.S. History Since 1945 (GT-H1)	3
HIS 243	History of Modern China (GT-H1)	3
HIS 244	History of Latin America (GT-H1)	3
HIS 245	U.S. in the World (GT-H1)	3
HIS 247	20th Century World History (GT-H1)	3
HIS 249	History of Islamic Civilization (GT-H1)	3

HIS 250	African American History (GT-H1)	3
HIS 251	The History of Christianity in the World (GT-H1)	3
HIS 255	The Middle Ages (GT-H1)	3
HIS 259	Modern Middle East (GT-H1)	3
HIS 260	U.S. Foreign Relations History (GT-H1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (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 215	Current Political Issues (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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)

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

## Natural and Physical Sciences

(7 Credits – GT-SC1)

Select 2 gtPathways courses, one must be with laboratory:

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

### Category I (GT-SC1)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4

PHY 107	Energy Science and Technology, 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
	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
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
LIT 268	Celtic 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.

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. 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 215	Discrete Mathematics: (GT-MA1)	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	3

Note:

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

### 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3

HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1 OR GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category III (GT-SS3)

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

## Natural and Physical Sciences

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

(8 Credits – GT-SC1)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	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

MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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
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.

## History Transfer Major, A.A.

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:

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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 215	Discrete Mathematics: (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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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-H1)

Select 1 gtPathways course:

HIS 101	Western Civilization: Antiquity - 1650 (GT-H1)	3
	OR	
HIS 111	The World: Antiquity - 1500 (GT-H1)	3

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

### Category I (GT-H1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-H1)	3
HIS 102	Western Civilization: 1650 - Present (GT-H1)	3
HIS 111	The World: Antiquity - 1500 (GT-H1)	3
HIS 112	The World: 1500 - Present (GT-H1)	3
HIS 121	US History to Reconstruction (GT-H1)	3
HIS 122	US History Since Civil War (GT-H1)	3
HIS 203	Civil War Era in American History (GT-H1)	3
HIS 205	Women in World History (GT-H1)	3
HIS 207	American Environmental History (GT-H1)	3
HIS 208	American Indian History (GT-H1)	3

HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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)

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (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)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 103	Principles of Animal Biology (GT-SC2)	3
BIO 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (GT-SC1)	5



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CHE 111	General College Chemistry I with Lab (GT-SC1)	5	
CHE 112	General College Chemistry II with Lab (GT-SC1)	5	
ENV 101	Environmental Science w/Lab (GT-SS1)	4	
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	
MET 150	General Meteorology, with Lab (GT-SC1)	4	
NRE 251	General Oceanography, with Lab (GT-SC1)	4	
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4	
PHY 107	Energy Science and Technology, 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)

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3	
AST 155	Astronomy of Ancient Cultures (GT-SC2)	3	
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3	
BIO 104	Biology: A Human Approach (GT-SC1)	4	
BIO 116	Introduction to Human Disease (GT-SC2)	3	
ENV 110	Natural Disasters (GT-SC2)	3	
GEY 108	Geology of U.S. National Parks (GT-SC2)	3	
SCI 105	Science in Society (GT-SC2)	3	

### Additional Required Courses: 15 credits

COM 115	Public Speaking	3	
	OR		
COM 125	Interpersonal Communication	3	
HIS 102	Western Civilization: 1650 - Present (GT-HI1)	3	
	OR		
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	
	AND		

### One Additional gtPathways History Course:

HIS 207	American Environmental 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 235	History of the American West (GT-HI1)	3	
HIS 236	U.S. History Since 1945 (GT-HI1)	3	
HIS 243	History of Modern China (GT-HI1)	3	
HIS 244	History of Latin America (GT-HI1)	3	
HIS 245	U.S. in the World (GT-HI1)	3	
HIS 247	20th Century World History (GT-HI1)	3	
HIS 249	History of Islamic Civilization (GT-HI1)	3	
HIS 255	The Middle Ages (GT-HI1)	3	
HIS 260	U.S. Foreign Relations 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.

The following courses are recommended electives:

ANT 101	Cultural Anthropology (GT-SS3)	3	
ANT 107	Introduction to Archaeology (GT-SS3)	3	
ANT 215	Indians of North America (GT-SS3)	3	
GEO 105	World Regional Geography (GT-SS2)	3	
HIS 244	History of Latin America (GT-HI1)	3	
HIS 249	History of Islamic Civilization (GT-HI1)	3	
HUM 115	World Mythology (GT-AH2)	3	
HUM 121	Humanities: Early Civilizations (GT-AH2)	3	
HUM 122	Humanities: Medieval-Modern (GT-AH2)	3	
MUS 120	Music Appreciation (GT-AH1)	3	
POS 111	American Government (GT-SS1)	3	
PSY 101	General Psychology I (GT-SS3)	3	
PSY 102	General Psychology II (GT-SS3)	3	
THE 105	Theatre Appreciation (GT-AH1)	3	

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.

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 CO <sub>3</sub> Course	3	

## Mathematics

(3 credits – GT-MA<sub>1</sub>)

Select one 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 215	Discrete Mathematics: (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- GT-AH<sub>1</sub>, GT-AH<sub>2</sub>, GT-AH<sub>4</sub>)

Select 2 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH <sub>2</sub> )	3
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
LIT 268	Celtic Literature (GT-AH <sub>2</sub> )	3

### Category IV (GT-AH<sub>4</sub>)

FRE 211	French Language III (GT-AH <sub>4</sub> )	3
FRE 212	French Language IV (GT-AH <sub>4</sub> )	3
GER 211	German Language III (GT-AH <sub>4</sub> )	3
GER 212	German Language IV (GT-AH <sub>4</sub> )	3
ITA 211	Italian Language III (GT-AH <sub>4</sub> )	3
ITA 212	Italian Language IV (GT-AH <sub>4</sub> )	3
JPN 211	Japanese Language III (GT-AH <sub>4</sub> )	3
JPN 212	Japanese Language IV (GT-AH <sub>4</sub> )	3
RUS 211	Russian Language III (GT-AH <sub>4</sub> )	3
RUS 212	Russian Language IV (GT-AH <sub>4</sub> )	3
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 course:

### Category I (GT-HI<sub>1</sub>)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI <sub>1</sub> )	3
HIS 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI <sub>1</sub> )	3
HIS 205	Women in World History (GT-HI <sub>1</sub> )	3
HIS 207	American Environmental 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 218	History of Science and Technology (GT-HI <sub>1</sub> )	3
HIS 225	Colorado History (GT-HI <sub>1</sub> )	3
HIS 235	History of the American West (GT-HI <sub>1</sub> )	3
HIS 236	U.S. History Since 1945 (GT-HI <sub>1</sub> )	3
HIS 243	History of Modern China (GT-HI <sub>1</sub> )	3
HIS 244	History of Latin America (GT-HI <sub>1</sub> )	3
HIS 245	U.S. in the World (GT-HI <sub>1</sub> )	3
HIS 247	20th Century World History (GT-HI <sub>1</sub> )	3
HIS 249	History of Islamic Civilization (GT-HI <sub>1</sub> )	3
HIS 250	African American History (GT-HI <sub>1</sub> )	3
HIS 251	The History of Christianity in the World (GT-HI <sub>1</sub> )	3

HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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)

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (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)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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)

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3
AST 155	Astronomy of Ancient Cultures (GT-SC2)	3
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3
BIO 103	Principles of Animal Biology (GT-SC2)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3
ENV 110	Natural Disasters (GT-SC2)	3
GEY 108	Geology of U.S. National Parks (GT-SC2)	3
SCI 105	Science in Society (GT-SC2)	3

### 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.

The following courses are recommended electives:

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 111	Biological Anthropology w/Lab (GT-SC1)	4
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
ART 110	Art Appreciation (GT-AH1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
MUS 120	Music Appreciation (GT-AH1)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
THE 105	Theatre Appreciation (GT-AH1)	3

## Political Science Transfer Major, A.A.

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 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 215	Discrete Mathematics: (GT-MA1)	4
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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations 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:

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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

BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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.

Degree Requirements: 60 credits

## General Education Requirements: 34-36 credits

### English and Communication

(6 credits – GT-CO1, GT-CO2)

English – 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 - 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 215	Discrete Mathematics: (GT-MA1)	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	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-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 3 gtPathways courses with no more than 2 courses from any 1 category:

#### 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
DAN 125	History of Dance 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 Theater 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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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)**

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

**Natural and Physical Sciences**

(7-8 Credits – GT-SC1)

Select one gtPathways GT-SC1 course (BIO) with lab, and 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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, 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.

The following courses are recommended electives:

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 201	Introduction to Forensic Anthropology (GT-SS3)	3
ANT 250	Medical Anthropology (GT-SS3)	3
ART 110	Art Appreciation (GT-AH1)	3



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HIS 215	Women in U.S. History (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HUM 123	The Modern World (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
MUS 120	Music Appreciation (GT-AH1)	3
PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
THE 105	Theatre Appreciation (GT-AH1)	3

## Sociology Transfer Major, A.A.

**Degree Requirements: 60 credits**

**General Education Requirements: 35-36 credits**

### English and Communication

(6 credits – GT-CO1, GT-CO2)

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 215	Discrete Mathematics: (GT-MA1)	4
MAT 261	Differential Equations with Engineering Applications: GT-MA1	4
MAT 265	Differential Equations: GT-MA1	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-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 3 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)**

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

**Social and Behavioral Sciences**

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

**Category I (GT-SS1)**

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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)**

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3

## Natural and Physical Sciences

(8 Credits – GT-SC1 only)

Select 2 gtPathways courses:

### Category I (GT-SC1)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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 of the Statewide Transfer Articulation Agreement for the Bachelors of Arts - Sociology.

## 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.

Degree Requirements: 60 credits

### General Education Requirements: 37 credits

#### English and Communication

(6 credits – GT-CO1, GT-CO2, GT-CO3)

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:

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 204	Calculus III with Engineering Applications: GT-MA1	5
MAT 215	Discrete Mathematics: (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)

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

Select 1 gtPathways course 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (GT-HI1)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
HIS 112	The World: 1500 - Present (GT-HI1)	3
HIS 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (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)**

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 108	Archaeology of World Rock Art (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
AGR 260	World Interdependence - Population and Food (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

**Natural and Physical Sciences**

(7 Credits - GT-SC1 and GT-SC2)

Select 2 gtPathways courses:

**Category I (GT-SC1)**

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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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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)

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3
BIO 103	Principles of Animal Biology (GT-SC2)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3
ENV 110	Natural Disasters (GT-SC2)	3
GEY 108	Geology of U.S. National Parks (GT-SC2)	3
SCI 105	Science in Society (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.

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 215	Discrete Mathematics: (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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)**

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

**Social and Behavioral Sciences**

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

**Category I (GT-SS1)**

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
AGR 260	World Interdependence - Population and Food (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

**Natural and Physical Sciences**

(7 Credits – GT-SC1, GT-SC2)

One gtPathways course - must be GT-SC1 (course with lab).

One gtPathways GT-SC1 course of the student's choosing:

**Category I (GT-SC1)**

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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)**

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3
AST 155	Astronomy of Ancient Cultures (GT-SC2)	3

AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3
BIO 103	Principles of Animal Biology (GT-SC2)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3
ENV 110	Natural Disasters (GT-SC2)	3
GEY 108	Geology of U.S. National Parks (GT-SC2)	3
SCI 105	Science in Society (GT-SC2)	3

**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.

Electives: Students planning to transfer to SCU-FC for completion of the BA in Studio Art must complete two semesters of one foreign language for their electives 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 Studio Art in two years without this prior foreign language competency.



# ASSOCIATE OF SCIENCE DEGREES (A.S.)

## Associate of Science Degree Core

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> ) AND	3
ENG 122	English Composition II (GT-CO <sub>2</sub> )  OR	3
ENG 122	English Composition II (GT-CO <sub>2</sub> ) AND	3
ENG 201	Composition III: Writing for Public Discourse (GT-CO <sub>3</sub> )  AND	3
COM 115	Public Speaking OR	3
COM 125	Interpersonal Communication OR	3
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 215	Discrete Mathematics: (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 – 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH <sub>2</sub> )	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations 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)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
AGR 260	World Interdependence - Population and Food (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (GT-SS3)	3
SOC 101	Introduction to Sociology I (GT-SS3)	3
SOC 102	Introduction to Sociology II (GT-SS3)	3

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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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany 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.

## 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
ACC 135	Spreadsheet Applications for Accounting	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 125	Fingerspelling	3
ASL 221	American Sign Language IV	3
ASL 222	American Sign Language V	3

## Anthropology:

ANT 275	Special Topics in Anthropology	0-6
ANT 275: Study Abroad		

## 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 150	Digital Art Foundations 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 160	Introduction to Biotechnology	3
BIO 216	Human Pathophysiology	4
BIO 268	Cell Biology and Immunology	4
BIO 269	Nucleic Acid Techniques and Molecular Cloning	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

## Chinese:

## 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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**Criminal Justice:**

CRJ 110	Introduction to Criminal Justice (GT:SS3)	3
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**Economics:**

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

**Engineering:**

Any 100 level course or above

**English:**

ENG 221	Creative Writing I	3
ENG 222	Creative Writing II	3
ENG 231	Literary Magazine	3

**French:**

FRE 111	French Language I	5
FRE 112	French Language II	5

**German:**

GER 111	German Language I	5
GER 112	German Language II	5

**Health Wellness:**

HWE 100	Human Nutrition	3
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**Japanese:****Literature**

LIT 275	Special Topics: Survey of Chicano/a Literature	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 212	Negotiation/Conflict Resolution	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
MGD 106	Creativity and Visual Thinking	3

**Music:**

MUS 106	Intro to Songwriting	3
MUS 107	Entrep/Artistry for Musicians	3
MUS 110	Music Theory I	3

**Physical Education:**

Any course 100 or above

**Physics:**

PHY 213	Physics: Calculus Based III Modern Physics	3
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**Russian:****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.**

Degree Requirements: 60 credits

**General Education Requirements: 36 credits****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
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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, or GT-AH4)

Select 2 gtPathways courses:

**Category I (GT-AH1)**

ART 110	Art Appreciation (GT-AH1)	3
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ART 111	Art History - Ancient to Medieval (GT-AH1)	3
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ART 112	Art History – Renaissance to Modern (GT-AH1)	3
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ART 207	Art History - 1900 to Present (GT-AH1)	3
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DAN 125	History of Dance I (GT-AH1).	3
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MUS 120	Music Appreciation (GT-AH1)	3
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MUS 121	Music History: Medieval through Classical Period (GT-AH1)	3
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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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
SPA 211	Spanish Language III (GT-AH4)	3

SPA 212	Spanish Language IV (GT-AH4)	3
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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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select two gtPathways courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

### Category II (GT-SS2)

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

### Category III (GT-SS3)

ANT 101 Cultural Anthropology (GT-SS3) 3  
 ANT 102 Cultural Anthropology Lab (GT-SS3) 1  
 ANT 103 Archaeology Lab (GT-SS3) 1  
 ANT 104 Physical Anthropology Lab (GT-SS3) 1  
 ANT 107 Introduction to Archaeology (GT-SS3) 3  
 ANT 108 Archaeology of World Rock Art (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  
 AGR 260 World Interdependence - Population and Food (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  
 JOU 105 Introduction to Mass Media (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 227 Psychology of Death and Dying (GT-SS3) 3  
 PSY 235 Human Growth and Development (GT-SS3) 3  
 PSY 238 Child Development (GT-SS3) 3  
 PSY 240 Health Psychology (GT-SS3) 3  
 PSY 249 Abnormal Psychology (GT-SS3) 3  
 PSY 265 Psychology of Personality (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 216 Sociology of Gender (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  
 SOC 237 Sociology of Death and Dying (GT-SS3) 3  
 WST 200 Introduction to Women's Studies (GT-SS3) 3  
 WST 225 Women and Social Action (GT-SS3) 3  
 WST 240 Goddesses and Women in the Ancient World (GT-SS3) 3  
 WST 249 Women's Sexuality (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

BIO 112 General College Biology II with Lab (GT-SC1) 5  
 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.

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

### 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  
 DAN 125 History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3

RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

### Social and Behavioral Sciences\*

(3 credits – GT-SS1, GT-SS2, GT-SS3)

Select 1 gtPathways course:

#### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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 102 Cultural Anthropology Lab (GT-SS3) 1

ANT 103 Archaeology Lab (GT-SS3) 1

ANT 104 Physical Anthropology Lab (GT-SS3) 1

ANT 107 Introduction to Archaeology (GT-SS3) 3

ANT 108 Archaeology of World Rock Art (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

AGR 260 World Interdependence - Population and Food (GT-SS3) 3

COM 220 Intercultural Communication (GT-SS3) 3

ETH 200 Introduction to Ethnic Studies (GT-SS3) 3

JOU 105 Introduction to Mass Media (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 227 Psychology of Death and Dying (GT-SS3) 3

PSY 235 Human Growth and Development (GT-SS3) 3

PSY 238 Child Development (GT-SS3) 3

PSY 240 Health Psychology (GT-SS3) 3

PSY 249 Abnormal Psychology (GT-SS3) 3

PSY 265 Psychology of Personality (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 216 Sociology of Gender (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

SOC 237 Sociology of Death and Dying (GT-SS3) 3

WST 200 Introduction to Women's Studies (GT-SS3) 3

WST 225 Women and Social Action (GT-SS3) 3

WST 240 Goddesses and Women in the Ancient World (GT-SS3) 3

WST 249 Women's Sexuality (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.

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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic Literature (GT-AH2)	3

### Category III (GT-AH3)

PHI 111	Introduction to Philosophy (GT-AH3)	3
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PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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-H1)

Select one gtPathways course:

### Category I (GT-H11)

HIS 101	Western Civilization: Antiquity - 1650 (GT-H11)	3
HIS 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-H11)	3
HIS 205	Women in World History (GT-H11)	3
HIS 207	American Environmental History (GT-H11)	3
HIS 208	American Indian History (GT-H11)	3
HIS 215	Women in U.S. History (GT-H11)	3
HIS 218	History of Science and Technology (GT-H11)	3
HIS 225	Colorado History (GT-H11)	3
HIS 235	History of the American West (GT-H11)	3
HIS 236	U.S. History Since 1945 (GT-H11)	3
HIS 243	History of Modern China (GT-H11)	3
HIS 244	History of Latin America (GT-H11)	3
HIS 245	U.S. in the World (GT-H11)	3
HIS 247	20th Century World History (GT-H11)	3
HIS 249	History of Islamic Civilization (GT-H11)	3
HIS 250	African American History (GT-H11)	3
HIS 251	The History of Christianity in the World (GT-H11)	3
HIS 255	The Middle Ages (GT-H11)	3

HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
AGR 260	World Interdependence - Population and Food (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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

## 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

## Mathematics Transfer Major, A.S.

Degree Requirements: 60 credits

## General Education Requirements: 39 credits

### English and Communication

(6 credits – GT-CO1, GT-CO2, CO3)

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

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

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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
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FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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 one gtPathways History course:

### Category I (GT-H11)

HIS 101	Western Civilization: Antiquity - 1650 (GT-H11)	3
HIS 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-H11)	3
HIS 205	Women in World History (GT-H11)	3
HIS 207	American Environmental History (GT-H11)	3
HIS 208	American Indian History (GT-H11)	3
HIS 215	Women in U.S. History (GT-H11)	3
HIS 218	History of Science and Technology (GT-H11)	3
HIS 225	Colorado History (GT-H11)	3
HIS 235	History of the American West (GT-H11)	3
HIS 236	U.S. History Since 1945 (GT-H11)	3
HIS 243	History of Modern China (GT-H11)	3
HIS 244	History of Latin America (GT-H11)	3
HIS 245	U.S. in the World (GT-H11)	3
HIS 247	20th Century World History (GT-H11)	3
HIS 249	History of Islamic Civilization (GT-H11)	3
HIS 250	African American History (GT-H11)	3
HIS 251	The History of Christianity in the World (GT-H11)	3
HIS 255	The Middle Ages (GT-H11)	3
HIS 259	Modern Middle East (GT-H11)	3
HIS 260	U.S. Foreign Relations History (GT-H11)	3

### Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 gtPathways courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3

ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
ANT 250	Medical Anthropology (GT-SS3)	3
AGR 260	World Interdependence - Population and Food (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3

WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
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WST 249	Women's Sexuality (GT-SS3)	3
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## Natural and Physical Sciences

(10 Credits – GT-SC1)

PHY 211	Physics: Calculus Based I with Lab (GT-SC1)	5
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PHY 212	Physics: Calculus Based II with Lab (GT-SC1)	5
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## Additional Required Courses: 16-17 credits

COM 115	Public Speaking OR	3
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COM 125	Interpersonal Communication	3
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MAT 202	Calculus II: GT-MA1	5
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MAT 203	Calculus III: GT-MA1 OR	4
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MAT 204	Calculus III with Engineering Applications: GT-MA1	5
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CSC 160	Computer Science I: Java	4
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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

### 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) AND	3
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ENG 122	English Composition II (GT-CO2)	3
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OR

ENG 122	English Composition II (GT-CO2) AND	3
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	One gtPathways approved CO3 Course	3
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## Mathematics

(5 credits – MA1)

**Arts and Humanities**

(9 Credits- GT-AH1, GT-AH3, or GT-AH4)

Select 3 courses from at least 2 different areas:

**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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3

5	PHI 220	Philosophy of Death and Dying (GT-AH3)	3
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**Category IV (GT-AH4)**

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

**History**

(3credits – GT-H11)

Select 1 History course:

**Category I (GT-H11)**

HIS 101	Western Civilization: Antiquity - 1650 (GT-H11)	3
HIS 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-H11)	3
HIS 205	Women in World History (GT-H11)	3
HIS 207	American Environmental History (GT-H11)	3
HIS 208	American Indian History (GT-H11)	3
HIS 215	Women in U.S. History (GT-H11)	3
HIS 218	History of Science and Technology (GT-H11)	3
HIS 225	Colorado History (GT-H11)	3
HIS 235	History of the American West (GT-H11)	3
HIS 236	U.S. History Since 1945 (GT-H11)	3
HIS 243	History of Modern China (GT-H11)	3
HIS 244	History of Latin America (GT-H11)	3
HIS 245	U.S. in the World (GT-H11)	3
HIS 247	20th Century World History (GT-H11)	3
HIS 249	History of Islamic Civilization (GT-H11)	3
HIS 250	African American History (GT-H11)	3
HIS 251	The History of Christianity in the World (GT-H11)	3
HIS 255	The Middle Ages (GT-H11)	3
HIS 259	Modern Middle East (GT-H11)	3
HIS 260	U.S. Foreign Relations History (GT-H11)	3

**Social and Behavioral Sciences**

(3 credits – GT-SS1, GT-SS2, GT-SS3)

Select 1 course:

**Category I (GT-SS1)**

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3

ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
AGR 260	World Interdependence - Population and Food (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3

WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (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: Java	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.

Degree Requirements: 60 credits

**General Education Requirements: 38 credits****English and Communication**(6 credits – GT-CO<sub>1</sub>, GT-CO<sub>2</sub>, GT-CO<sub>3</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

**Mathematics**(4 credits – GT-MA<sub>1</sub>)

MAT 121	College Algebra: GT-MA <sub>1</sub>	4
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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>)

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

**Select six additional credits from at least two different categories of gtPathways Arts & Humanities 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
DAN 125	History of Dance 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 Theater 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-AH<sub>2</sub>)**

HUM 103	Introduction to Film Art (GT-AH <sub>2</sub> )	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH <sub>3</sub> )	3
PHI 115	World Religions-West (GT-AH <sub>3</sub> )	3
PHI 116	World Religions-East (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>)**

FRE 211	French Language III (GT-AH <sub>4</sub> )	3
FRE 212	French Language IV (GT-AH <sub>4</sub> )	3
GER 211	German Language III (GT-AH <sub>4</sub> )	3
GER 212	German Language IV (GT-AH <sub>4</sub> )	3
ITA 211	Italian Language III (GT-AH <sub>4</sub> )	3
ITA 212	Italian Language IV (GT-AH <sub>4</sub> )	3
JPN 211	Japanese Language III (GT-AH <sub>4</sub> )	3
JPN 212	Japanese Language IV (GT-AH <sub>4</sub> )	3
RUS 211	Russian Language III (GT-AH <sub>4</sub> )	3
RUS 212	Russian Language IV (GT-AH <sub>4</sub> )	3
SPA 212	Spanish Language IV (GT-AH <sub>4</sub> )	3
SPA 211	Spanish Language III (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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

## Social and Behavioral Sciences

(6 credits – GT-SS1, GT-SS2, GT-SS3)

Select 2 courses:

### Category I (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
AGR 260	World Interdependence - Population and Food (GT-SS3)	3

COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (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	
COM 125	Interpersonal Communication	3

## 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.



# 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)

AGY 240	Introductory Soil Science with Lab (GT-SC1)	4
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 104	Biology: A Human Approach (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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
BIO 224	Genetics (GT-SC1)	4
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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

(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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 235	History of the American West (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

##### Category II (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3

ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
AGR 260	World Interdependence - Population and Food (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
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3

WST 249	Women's Sexuality (GT-SS3)	3
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**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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (GT-AH3)	3
PHI 214	Philosophy of Religion (GT-AH3)	3
PHI 218	Environmental Ethics (GT-AH3)	3

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PHI 220	Philosophy of Death and Dying (GT-AH3)	3

### Category IV (GT-AH4)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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.

### 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.

### Degree Requirements: 60 credits

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 requires 30 or fewer hours need 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.

### General Education Requirements: 15 credits

#### English and Communication

(6 credits)

ENG 121 English Composition I (GT-CO1) 3

OR

ENG 131 Technical Writing I 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

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

ASE 221	Auto/Diesel Body Electrical	4
Subtotal: 45		

## 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 Program has start dates in early July and early January of each year. 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.

**Degree Requirements: 60 credits**

### General Education Requirements: 15 credits

ENG 131	Technical Writing I	3
ENG 132	Technical Writing II	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 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
DPM 275	Special Topics	0.5
ASE 120	Basic Vehicle Electricity	2
ASE 123	Battery, Starting, Charging Systems	2

## 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.

**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 107	Career Mathematics	3
MAT 155	Integrated Math I	3
MAT 156	Integrated Math II	3

Credits: See an advisor for transfer requirements.

#### Social and Behavioral Sciences

(6 credits)

Select 2 of the following:

GEO 105	World Regional Geography (GT-SS2)	3
HIS 121	US History to Reconstruction (GT-HI1)	3
POS 111	American Government (GT-SS1)	3

#### Arts and Humanities

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

Select one course: (ART 110 or MUS 120 are the recommended courses)

#### Category I (GT-AH1)

ART 110	Art Appreciation (GT-AH1)	3
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

### Natural and Physical Sciences

(4 credits)

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

Select course(s) from:

BIO 105	Science of Biology with Lab (GT-SC1)	4
SCI 155	Integrated Science I - Physics and Chemistry (GT-SC1)	4
SCI 156	Integrated Science II - Earth and Life Science (GT-SC1)	4

### Additional General Education Requirements: 3 credits

Select 1 course from the following:

LIT 115	Introduction to Literature (GT-AH2)	3
LIT 255	Children's Literature	3
POS 111	American Government (GT-SS1)	3

### Degree Requirements: 30 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 205	ECE Nutrition, Health, and Safety	3
ECE 220	Curriculum Development: Methods and Techniques	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
PSY 238	Child Development (GT-SS3)	3

### Electives: 6 credits

ECE 256	Working with Parents, Families, and Community Systems	3
EDU 261	Teaching, Learning, and Technology	3

### Film Video Media: Acting/Directing for the Screen Emphasis, A.A.S.

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

**Acting/Directing for the Screen Film and Video: 45 credits**

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
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 227	History of Acting	3
FVM 228	Actor Movement & Action II	3
FVM 251	Feature Script Analysis	3
FVM	Elective	3

FVM Elective: See department for approved FVM electives based on major.

**Film Video Media: Cinematography/Videography Emphasis, A.A.S.**

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

**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 251	Feature Script Analysis	3
FVM 270	Film/Video Production III	3
FVM 273	Professional Documentary Production	3
FVM	Cinematography Elective	6

FVM Elective: See department for approved FVM electives based on major.

**Film Video Media: Post-Production Emphasis, A.A.S.**

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
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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

MGD 111	Adobe Photoshop I	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 248	Post-Production Sound	3
FVM 251	Feature Script Analysis	3
FVM 264	Digital Effects	3
FVM 267	Editing Aesthetics	3
FVM 271	Post-Production III	3
FVM	Post-Production Elective	3

FVM Post-Production Electives include Maya III/Previsualization, Advanced Composition, Color & Motion, Colorado Correction, or other department approved courses.

## Film Video Media: Screen Writing Emphasis, A.A.S.

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

FVM 118	Screen Actor Improvisation	3
FVM 155	Writing the Short Script	3

### Choose any two 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 202	Film/Video Business	3
FVM 212	Contemporary Global Cinema	3
FVM 216	Producing the Independent Film	3

FVM 217	Acting for the Screen OR	3
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FVM 227	History of Acting	3
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FVM 229	Production Preparation	3
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FVM 236	Creative Producing	3
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FVM 250	Writing for Broadcast Media	3
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FVM 251	Feature Script Analysis	3
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FVM 252	Writing the Independent Film	3
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FVM 262	Writing the Hollywood Feature	3
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FVM 268	Feature Rewrites Workshop	3
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FVM 269	Screenwriter's Workshop	3
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## Film Video Media: Writing/Directing Emphasis, A.A.S.

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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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
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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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## Writing/Directing for Film and Video: 45 credits

FVM 118	Screen Actor Improvisation	3
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FVM 206	Film/Video Lighting	3
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FVM 155	Writing the Short Script	3
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FVM 200	Video Production II	3
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FVM 220	16MM/HD Production	3
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FVM 202	Film/Video Business	3
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FVM 204	Art Direction	3
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FVM 205	Camera Techniques	3
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FVM 207	Directing Workshop	3
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FVM 209	Production Management	3
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FVM 212	Contemporary Global Cinema	3
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FVM 215	Post-Production II	3
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FVM 229	Production Preparation	3
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FVM 250	Writing for Broadcast Media	3
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FVM 251	Feature Script Analysis	3
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FVM 270	Film/Video Production III	3
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FVM 271	Post-Production III	3
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## Film Video Media: Writing/Producing Emphasis, A.A.S.

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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## Writing/Producing Emphasis: 45 credits

FVM 155	Writing the Short Script	3
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FVM 185	The Documentary Film	3
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FVM 200	Video Production II	3
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OR

FVM 220	16MM/HD Production	3
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FVM 202	Film/Video Business	3
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FVM 204	Art Direction	3
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FVM 209	Production Management	3
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FVM 212	Contemporary Global Cinema	3
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FVM 216	Producing the Independent Film	3
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FVM 229	Production Preparation	3
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FVM 236	Creative Producing	3
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FVM 250	Writing for Broadcast Media	3
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FVM 251	Feature Script Analysis	3
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FVM 270	Film/Video Production III	3
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FVM 273	Professional Documentary Production	3
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FVM	Elective	3
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FVM Elective: See department for approved FVM electives based on major.

## Fire Science Technology, A.A.S.

The Fire Science programs are designed for students desiring 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. For permission to enroll in any of the following programs, and for requirements to be admitted into the Fire Academy and start dates, students need to contact the program coordinator, Mark Stephenson, at 303.340.7222.

Degree Requirements: 62 credits

### General Education Requirements: 18 credits

#### English and Communication

(6 credits)

ENG 121	English Composition I (GT-CO1)	3
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COM 125	Interpersonal Communication	3
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#### 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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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

**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	2
FST 253	NIMS	3

**Electives: 12 credits**

Select any non-required FST or EMS courses.

**Graphic and Web Design, A.A.S.****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. Students wishing to continue in a baccalaureate degree program after completing their associate degrees should contact an academic advisor at Regis University.

**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
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4

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-H11)	3
HIS 122	US History Since Civil War (GT-H11)	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.

**Networking, A.A.S.**

This degree program prepares students with the skills to pursue a Bachelor's Degree in Computer Science with an emphasis in computer programming. Students will develop a sound foundation in the development of cross-platform applications, which include desktop applications and mobile and website application development.

**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
CNG 211	Windows Configuration	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 215	Discrete Mathematics: (GT-MA1)	4
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
BIO 208	General College Microbiology with Lab (GT-SC1)	5
BIO 220	General Zoology with Lab (GT-SC1)	5
BIO 221	Botany with Lab (GT-SC1)	5
CHE 101	Introduction to Chemistry I with Lab (GT-SC1)	5
CHE 102	Introduction to Chemistry II with Lab (GT-SC1)	5
CHE 105	Chemistry in Context (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
ENV 101	Environmental Science w/Lab (GT-SS1)	4
ENV 110	Natural Disasters (GT-SC2)	3

Associate of Applied Science Degree (A.A.S.)   117		
GEO 111	Physical Geography-Landforms with Lab (GT-SC1)	4
GEO 112	Physical Geography-Weather and Climate with Lab (GT-SC1)	4
GEY 108	Geology of U.S. National Parks (GT-SC2)	3
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
MET 150	General Meteorology, with Lab (GT-SC1)	4
NRE 251	General Oceanography, with Lab (GT-SC1)	4
PHY 105	Conceptual Physics, with Lab (GT-SC1)	4
PHY 107	Energy Science and Technology, 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 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3
HIS 225	Colorado History (GT-HI1)	3
HIS 236	U.S. History Since 1945 (GT-HI1)	3
HIS 243	History of Modern China (GT-HI1)	3
HIS 244	History of Latin America (GT-HI1)	3
HIS 245	U.S. in the World (GT-HI1)	3
HIS 247	20th Century World History (GT-HI1)	3
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 250	African American History (GT-HI1)	3
HIS 255	The Middle Ages (GT-HI1)	3
HIS 259	Modern Middle East (GT-HI1)	3
HIS 260	U.S. Foreign Relations History (GT-HI1)	3

#### (GT-SS1)

AGE 102	Agriculture Economics (GT-SS1)	3
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ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
AGR 260	World Interdependence - Population and Food (GT-SS3)	3
COM 220	Intercultural Communication (GT-SS3)	3
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
JOU 105	Introduction to Mass Media (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 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3

WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
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WST 249	Women's Sexuality (GT-SS3)	3
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**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
DAN 125	History of Dance 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 Theater 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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)**

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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
BIO 202	Human Anatomy and Physiology II with Lab (GT-SC1)	4
HPR 178	Medical Terminology (3 Credit Hours)	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.

This degree program prepares students with the skills to pursue a Bachelor's Degree in Computer Science with an emphasis in computer programming. Students will develop a sound foundation in the development of cross-platform applications, which include desktop applications and mobile and website application development.

**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: Java	4
CSC 161	Computer Science II: Java	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 (Lauryn Gangle-Wythe 303-360-4749) for dates and times.

**Degree Requirements: 60 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: 24 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
HPR 178	Medical Terminology	2
PAR 117	Family Law	3

# ASSOCIATE OF SCIENCE DEGREE- ARTICULATION WITH COLORADO

## Articulation with Colorado School of Mines Associate of Science Degree (A.S.)

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
LIT 268	Celtic Literature (GT-AH2)	3

#### Category IV (GT-AH4)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3

GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
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: Java	4
CSC 161	Computer Science II: Java	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 XXX4 can also be taken at Colorado School of Mines

# ARTICULATED DEGREE WITH METRO STATE UNIVERSITY

## Metro State CIS Transfer, A.A.S.

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
CSC 119	Introduction to Programming	3
MAR 216	Principles of Marketing	3

## Metro State Hospitality Transfer, A.A.

Degree Requirements: 60

### General Education Requirements

#### English and Communication

(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 135	Introduction to Statistics: (GT-MA1)	3
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#### Arts and Humanities

(6 credits)

\*Choose one of the recommended courses below and any other Arts and Humanities courses:

LIT 205	Ethnic Literature (GT-AH2)	3
LIT 259	Survey of African American Literature (GT-AH2)	3
MUS 125	History of Jazz (GT-AH1)	3
PHI 218	Environmental Ethics (GT-AH3)	3

\*Students are recommended to take either LIT 205, LIT 259, MUS 125 or PHI 218, as these courses also satisfy MSU Denver's Multicultural 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

### History

(3 credits - GT-HI1)

HIS 111	The World: Antiquity - 1500 (GT-HI1)	3
	OR	
HIS 112	The World: 1500 - Present (GT-HI1)	3

### Social and Behavioral Sciences

(9 credits)

ANT 101	Cultural Anthropology (GT-SS3)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
COM 115	Public Speaking	3
	OR	
COM 125	Interpersonal Communication	3

### Natural and Physical Sciences

(7 credits)

Choose two courses:

### 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

### Category II (GT-SC2)

AST 150	Astrobiology: Life in the Universe (GT-SC2)	3
AST 160	Cosmology: The Big Bang the End of Time (GT-SC2)	3
BIO 116	Introduction to Human Disease (GT-SC2)	3
ENV 110	Natural Disasters (GT-SC2)	3
GEY 108	Geology of U.S. National Parks (GT-SC2)	3
SCI 105	Science in Society (GT-SC2)	3

Many CO 4-year institutions require foreign language for admission. Check with your college of transfer intent.

### Required Program Courses: 7 credits

#### Required Program Courses

(7 credits)

ACC 121	Accounting Principles I	4
HWE 100	Human Nutrition	3

### Electives

#### 19 credits

Choose any gtPathways or non-gtPathways courses. A recommended list of electives including any SC1 or SC2 Science courses:

ECO 202	Principles of Microeconomics (GT-SS1)	3
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

# ARTICULATED WITH PICKENS COLLEGE

## Respiratory Therapy, A.A.S.

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
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

### RCA Major Requirements to be taken at Pickens Technical College: 52 credits

RCA 105	Introduction to Respiratory Care	1
RCA 121	Fundamentals of Clinical Care	3
RCA 132	Basic Techniques-Respiratory Care II	5
RCA 151	Cardiopulmonary Anatomy/Physiology	3
RCA 152	Cardiopulmonary Pathology	4
RCA 161	Cardiopulmonary Diagnostic I	1
RCA 165	Pharmacology-Cardiopulmonary Care	3
RCA 230	Critical Care I	2
RCA 251	Critical Care II	3
RCA 252	Cardiopulmonary Diagnostic II	1
RCA 253	Perinatal/Pediatric Respiratory Care	3
RCA 259	Advanced Mechanical Ventilation	3
RCA 232	Advanced Monitoring	2
RCA 281	Internship II	9
RCA 283	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

#### Humanities-Social Sciences

(9 Credits)

##### 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
DAN 125	History of Dance 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 Theater 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 103	Introduction to Film Art (GT-AH2)	3
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
LIT 268	Celtic 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 114	Comparative Religions (GT-AH3)	3
PHI 115	World Religions-West (GT-AH3)	3
PHI 116	World Religions-East (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)

FRE 211	French Language III (GT-AH4)	3
FRE 212	French Language IV (GT-AH4)	3
GER 211	German Language III (GT-AH4)	3
GER 212	German Language IV (GT-AH4)	3
ITA 211	Italian Language III (GT-AH4)	3
ITA 212	Italian Language IV (GT-AH4)	3
JPN 211	Japanese Language III (GT-AH4)	3
JPN 212	Japanese Language IV (GT-AH4)	3
RUS 211	Russian Language III (GT-AH4)	3
RUS 212	Russian Language IV (GT-AH4)	3
SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

##### Category I (GT-HI1)

HIS 101	Western Civilization: Antiquity - 1650 (GT-HI1)	3
HIS 102	Western Civilization: 1650 - Present (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 203	Civil War Era in American History (GT-HI1)	3
HIS 205	Women in World History (GT-HI1)	3
HIS 207	American Environmental History (GT-HI1)	3
HIS 208	American Indian History (GT-HI1)	3
HIS 215	Women in U.S. History (GT-HI1)	3
HIS 218	History of Science and Technology (GT-HI1)	3

HIS 225	Colorado History (GT-H1)	3
HIS 235	History of the American West (GT-H1)	3
HIS 236	U.S. History Since 1945 (GT-H1)	3
HIS 243	History of Modern China (GT-H1)	3
HIS 244	History of Latin America (GT-H1)	3
HIS 245	U.S. in the World (GT-H1)	3
HIS 247	20th Century World History (GT-H1)	3
HIS 249	History of Islamic Civilization (GT-H1)	3
HIS 250	African American History (GT-H1)	3
HIS 251	The History of Christianity in the World (GT-H1)	3
HIS 255	The Middle Ages (GT-H1)	3
HIS 259	Modern Middle East (GT-H1)	3
HIS 260	U.S. Foreign Relations History (GT-H1)	3

PSY 227	Psychology of Death and Dying (GT-SS3)	3
PSY 235	Human Growth and Development (GT-SS3)	3
PSY 238	Child Development (GT-SS3)	3
PSY 240	Health Psychology (GT-SS3)	3
PSY 249	Abnormal Psychology (GT-SS3)	3
PSY 265	Psychology of Personality (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 216	Sociology of Gender (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
SOC 237	Sociology of Death and Dying (GT-SS3)	3
WST 200	Introduction to Women's Studies (GT-SS3)	3
WST 225	Women and Social Action (GT-SS3)	3
WST 240	Goddesses and Women in the Ancient World (GT-SS3)	3
WST 249	Women's Sexuality (GT-SS3)	3

**Category I (GT-SS1)**

AGE 102	Agriculture Economics (GT-SS1)	3
ECO 101	Economics of Social Issues (GT-SS1)	3
ECO 201	Principles of Macroeconomics (GT-SS1)	3
ECO 202	Principles of Microeconomics (GT-SS1)	3
ECO 211	Gender in the Economy (GT-SS1)	3
ECO 245	Issues in Environmental Economics (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 215	Current Political Issues (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)**

AGR 260	World Interdependence - Population and Food (GT-SS3)	3
ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 102	Cultural Anthropology Lab (GT-SS3)	1
ANT 103	Archaeology Lab (GT-SS3)	1
ANT 104	Physical Anthropology Lab (GT-SS3)	1
ANT 107	Introduction to Archaeology (GT-SS3)	3
ANT 108	Archaeology of World Rock Art (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
JOU 105	Introduction to Mass Media (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

**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: Java	4
CSC 161	Computer Science II: Java	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.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



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nursing. Students will also earn an Associate of Science Core 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 303-340-7073.

**Degree Requirements: 66 credits**

## Prerequisite Requirements for Integrated Nursing Pathway: 32 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 Theater Greek-Reniassance (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

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: Full Charge 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 transitioning 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.

### Full Charge Bookkeeping Certificate: 25 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
ACC 115	Payroll Accounting	3
ACC 121	Accounting Principles I	4
ACC 125	Computerized Accounting	3
ACC 135	Spreadsheet Applications for Accounting	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: 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

## 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

## 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 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
CNG 101	Network Fundamentals	3
CNG 124	Networking: Network +	3
CNG 132	Network Security Fundamentals	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: 23 credits

CIS 115	Introduction to Computer Information Systems	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

## 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

15 credit hours

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

## 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

### 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

### 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
ECE 112	Intro to Infant/Toddler Lab Techniques	3
ECE 113	Infant/Toddler Lab Techniques II	3
PSY 238	Child Development (GT-SS3)	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 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
PSY 238	Child Development (GT-SS3)	3

**Subtotal: 0**

### 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 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
PSY 238	Child Development (GT-SS3)	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
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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

## 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) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Commission on Accreditation of Allied Health Education Programs

1361 Park Street

Clearwater, FL 33756

727-210-2350

www.caahep.org

To contact CoAEMSP:

8301 Lakeview Parkway, Suite 111-312

Rowlett TX 75088

(214) 703-8445

FAX (214) 703-8992

www.coaemsp.org

### 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
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## Film Video Media: Acting/Directing for the Screen Certificate

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

### 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 227	History of Acting	3
FVM 228	Actor Movement & Action II	3
FVM 251	Feature Script Analysis	3

## Film Video Media: Cinematography/Videography Certificate

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

**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 273	Professional Documentary Production	3
FVM	Cinematography Elective	6

Elective: See department for approved FVM electives based on major.

**Film Video Media: Post-Production Certificate**

**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

**Post-Production Emphasis: 30 credits**

MGD 111	Adobe Photoshop I	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 248	Post-Production Sound	3
FVM 264	Digital Effects	3
FVM 287	Internship	3
FVM	Post-Production Elective	3

Elective: FVM Post Production electives include Maya I/II, Previsualization, Advanced Composition, Color and Motion, Color Correction or other department approved courses.

**Film Video Media: Writing/Directing Certificate**

**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/Directing Emphasis: 30 credits**

FVM 118	Screen Actor Improvisation	3
FVM 206	Film/Video Lighting	3
FVM 155	Writing the Short Script	3
FVM 200	Video Production II	3
FVM 220	16MM/HD Production	3
FVM 202	Film/Video Business	3
FVM 205	Camera Techniques	3
FVM 207	Directing Workshop	3
FVM 215	Post-Production II	3
FVM 250	Writing for Broadcast Media	3
FVM 251	Feature Script Analysis	3

**Film Video Media: Writing/Producing Certificate**

**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 250	Writing for Broadcast Media	3
FVM 251	Feature Script Analysis	3
FVM 273	Professional Documentary Production OR	3
FVM 287	Internship	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	2
FST 253	NIMS	3

## Film Video Media: Screenwriting Certificate

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

### Screenwriting Emphasis: 30 credits

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 250	Writing for Broadcast Media	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
FVM	Elective	3

Elective: See department for approved FVM electives based on major.

## Fire Science Technology Certificate

Information on Gainful Employment

### Certificate Requirements: 32 credits

FST 100	Firefighter I	9
FST 102	Principles/Emergency Services	3

## Fundamentals of Fire Science Certificate

Information on Gainful Employment.

### Certificate Requirements: 18 credits

FST 100	Firefighter I	9
FST 102	Principles/Emergency Services	3
FST 107	Hazardous Materials Operations (Level I)	3
FST 170	Clinical I	2
PED 110	Fitness Center Activity I	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 Credit Hours)	3
CIS 118	Introduction to PC Applications	3
COM 125	Interpersonal Communication	3

## 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



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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 Credit Hours)	3
HPR 180	Internship (Phlebotomy)	3
NUA 101	Certified Nurse Aide Health Care Skills	4
NUA 170	Nurse Aide Clinical Experience	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
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### 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

## Homeland Security: Tactical Operations Certificate

The Homeland Security: Tactical Operations certificate helps prepare the student for entry-level jobs in Homeland Security with the DHS Federal Protective Service, as well as with TSA. The certificate provides further Homeland Security education to law enforcement personnel with no previous Homeland Security background who may be able to use the certificate for internal advancement. Students explore Homeland Security history, theory, and application; intelligence issues and security; transportation and border security; terrorism; applicable federal laws; and tactical mitigation techniques for both criminal and emergency management issues. While this program is considered a stand-alone certificate; courses will transfer to the AAS/CRJ degree and may transfer to some four-year degree programs. Be advised that most positions in Homeland Security do require a Bachelor's degree, with the exception of entry TSA TSO positions. This specialized certificate program requires Chair admission approval.

#### Certificate Requirements: 16 credits

PSM 130	Homeland Security Law	3
PSM 132	Threat and Vulnerability Assessment and Counterintelligence	3
PSM 133	Homeland Security: Weapons of Mass Destruction	3
PSM 137	Introduction to Mitigation	3
PSM 204	Terrorism	3
PSM 275	Special Topics	1-12

### Paralegal Certificate

1. 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.)
2. 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.
3. 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	

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
TRI 205	Simultaneous 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 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:
  - 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: 32 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	2

## Certificates of Achievement

*Please Note: Certificates of Achievement are not transcribed. See an Advisor with questions.*

## Communication Certificate of Achievement

### Certificate Requirements: 15 credits

### Required Courses: 12 credits

ENG 131	Technical Writing I	3
	AND	
ENG 132	Technical Writing II	3
	OR	
ENG 121	English Composition I (GT-CO1)	3
	AND	
ENG 122	English Composition II (GT-CO2)	3
COM 115	Public Speaking	3
COM 125	Interpersonal Communication	3

### Select three additional classes from the list below: 3 credits

COM 260	Listening in a Workplace Communication Setting	1
COM 261	Effective Meetings	1
COM 262	Communicating With Impossible People	1
COM 263	Conflict Resolution	1
COM 266	Decision Making	1
COM 267	Teamwork	1
COM 269	Leadership	1

## Global Perspectives and Multiculturalism Certificate of Achievement

This certificate may be completed simultaneously with an A.A., A.S., or A.A.S. degree. Consult with an academic advisor for more information.

### Certificate Requirements: 15-16 credits

### Choose at least 15 credits from the following categories.

You must choose credits in at least two categories.

## Communication

COM 220	Intercultural Communication (GT-SS3)	3
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## Social and Behavioral Sciences

ANT 101	Cultural Anthropology (GT-SS3)	3
ANT 215	Indians of North America (GT-SS3)	3
ECO 235		
ETH 200	Introduction to Ethnic Studies (GT-SS3)	3
GEO 105	World Regional Geography (GT-SS2)	3
HIS 111	The World: Antiquity - 1500 (GT-HI1) AND	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
HIS 249	History of Islamic Civilization (GT-HI1)	3
HIS 251	The History of Christianity in the World (GT-HI1)	3
POS 205	International Relations (GT-SS1)	3
POS 225	Comparative Government (GT-SS1)	3

## Arts and Humanities

LIT 211	American Literature to Civil War (GT-AH2) AND	3
LIT 212	American Literature after Civil War (GT-AH2)	3
LIT 205	Ethnic Literature (GT-AH2)	3
LIT 278	Seminar	0-12
HUM 241	Asian Arts and Cultures	3
MUS 123	Survey of World Music (GT-AH1)	3
PHI 114	Comparative Religions (GT-AH3)	3

## World Language

WOL 111		
WOL 112		
WOL 211		
WOL 212		

WOL 111, WOL 112, WOL 211, WOL 212: American Sign Language, Arabic, Chinese, French, German, Hebrew, Japanese, Russian, Spanish

## Business and Marketing

MAR 240	International Marketing	3
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## Criminal Justice

MED 104		
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## Film Video Media

FVM 181	Topics in Film Studies	3
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## Study Abroad/Internship

	One semester/3 credit hours of international study abroad or internship	3
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## Language Certificate of Achievement

The Language Achievement Certificate is explicit recognition that the student has attained a functional level of proficiency in one of the foreign languages

offered at CCA in the World Languages Program, or at one of its high school educational sites.

The certificate is earned upon completion of four courses: 111, 112, 211, and 212. Enrollment in the 212 course is mandatory. Students who test out of the four courses will not be granted the Certificate. All classes must be passed with a grade of "C" or higher. The 111 and 112 courses may be waived upon verification of successful completion of similar competencies at the high school level or by other means, prior to enrollment in the 211 course. The student will receive the Language Achievement Certificate and a detailed description of the level of proficiency acquired upon completing the four courses.

**Certificate Requirements: 16 credits**

### An example of the required courses would be:

SPA 111	Spanish Language I	5
SPA 112	Spanish Language II	5
SPA 211	Spanish Language III (GT-AH4)	3
SPA 212	Spanish Language IV (GT-AH4)	3

## Philosophy Certificate of Achievement

**Certificate Requirements: 15 credits**

### Take five (5) of the seven (7) courses listed below:

PHI 111	Introduction to Philosophy (GT-AH3)	3
PHI 112	Ethics (GT-AH3)	3
PHI 113	Logic (GT-AH3)	3
PHI 114	Comparative Religions (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

# COURSES

## AAA - Academic Achievement Courses

### AAA 070 - Special Topics

1 Credit hour 15 Contact hours

This course is designed to prepare students for the Accuplacer in reading, English, and/or math.

### AAA 075 - Student Orientation

0 Credit hours 0 Contact hours

Orientation is a FREE non-credit course which will introduce you to the Community College of Aurora and the services that are provided to assist you with your educational goals.

### AAA 090 - Academic Achievement Strategies

3 Credit hours 45 Contact hours

Develops personalized approaches to learn and succeed for easier transition to college. Topics include goal-setting, time management, textbook reading strategies, note-taking, test-taking, listening techniques, concentration and memory devices, and critical thinking for student success.

Prerequisite: Equivalent assessment scores.

### 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

Introduces the study of accounting principles for understanding the theory and logic that underlie procedures and practices. Major topics include the accounting cycle for service and merchandising companies, special journals, subsidiary ledgers, internal control principles and practices, notes and interest, inventory systems, costing, plant assets, intangible asset accounting, depreciation methods, and practices.

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 (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

Continues the study of accounting principles as they apply to partnerships and corporations. Major topics include stocks and bonds; investments; cash flow statements; financial analysis; budgeting; and 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 132 - Tax Help Colorado

2 Credit hours 30 Contact hours

Prepares the students for preparation of federal and state income tax returns for individuals. Emphasis is placed on form preparation with the use of tax software.

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 (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 133 - Tax Help Colorado Site Practicum

1 Credit hour 15 Contact hours

This course allows students to prepare actual federal and state income tax returns for individuals in a real time environment.

Prerequisite: Successful completion of ACC 132 (grade C or higher) and the IRS Volunteer Income Tax Preparer's Certification at the Advanced level.

### 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 215 - Accounting Information Systems and E-Business**

3 Credit hours 45 Contact hours

Studies the principles, concepts and tools used in the analysis, design, implementation and integration of accounting systems, internal controls systems and accounting procedures. Key elements of system analysis, business systems design, accounting software selection, and the acquisition and implementation of systems are studied. Techniques and systems for electronic control systems, electronic data interchange, electronic funds transfer and web commerce are explored.

Prerequisite: Successful completion of ACC 101 or ACC 121 (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).

**ACC 231 - Business Taxation**

3 Credit hours 45 Contact hours

Introduces students to taxation of business entities and transactions. Topics include taxation of property transactions, various tax issues that apply to different tax entities, tax administration and practice, and the taxation effects of formation, operation, and dissolution of corporations, partnerships, S corporations, trusts and estates.

Prerequisite: Successful completion of ACC 121 (grade C or higher) or equivalent assessment scores.

**ACC 232 - Auditing**

3 Credit hours 45 Contact hours

Studies auditing procedures, standards, and programs; examines financial statements and preparation of audit working papers. Good working relationship features between the internal accountant and external auditor will be analyzed to assist in preparing for audits. This course will focus on the audit process, procedures, and mechanics.

Prerequisite: Successful completion of ACC 122 (grade C or higher).

**AGE - Agriculture Economics Courses****AGE 102 - Agriculture Economics (GT-SS1)**

3 Credit hours 45 Contact hours

Focuses on economic principles as applied to agriculture through price discovery with producer supply and consumer demand, governmental policies, rural development, and resource management.

**AGR - Agriculture Courses****AGR 260 - World Interdependence - Population and Food (GT-SS3)**

3 Credit hours 45 Contact hours

Covers the study of world population and food production and distribution. Problems and opportunities concerning population and food are discussed in a global context.

**AGY - Agriculture Crops and Soils Courses****AGY 240 - Introductory Soil Science with Lab (GT-SC1)**

4 Credit hours 90 Contact hours

Focuses on formation, physical properties, chemical properties, and management of soils emphasizing conditions that affect plant growth.

**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.

Prerequisite: Successful completion of CCR 092, CCR 093 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, CCR 093 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.

Prerequisite: Successful completion of CCR 092, CCR 093 or CCR 094 (grade C or higher) or equivalent assessment scores.

**ANT 137 - Southwest US Archaeology**

3 Credit hours 45 Contact hours

Identifies the complex regional population centers and cultural traditions of prehistoric peoples of the 4-Corners (Colorado, Arizona, New Mexico, Utah) and analyses evidence of cultural interaction with peoples of Meso-America and with the ecology of the region.

Prerequisite: Successful completion of CCR 092, CCR 093 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, CCR 093 or CCR 094 (grade C or higher) or equivalent assessment scores.

**ANT 260 - Sex, Gender, and Culture**

3 Credit hours 45 Contact hours

Explores the anthropology of gender. Includes the relationship between biology and culture in human evolution; archaeological evidence of gender distinctions in prehistory; cross-cultural constructions of masculinity, femininity, and sexuality; variations in the sexual division of labor and economic stratification; gender differences in ritual and religion; and the impact of gender issues in contemporary global culture change.

Prerequisite: Successful completion of CCR 092, CCR 093 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, CCR 093 or CCR 094 (grade C or higher) or equivalent assessment scores.

### **ANT 280 - Southwest Field Exploration**

0-12 Credit hours 15-75 Contact hours

Introduces the social, religious, economic, and cultural development of selected American Indian societies and Hispanic settlements of the American Southwest. Major ruins, archaeological sites, museums, reservations, and/or pre-statehood communities are explored by field trip.

### **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, CCR 093 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, CCR 093 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.

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. Surveys the visual arts from the Ancient through the Medieval periods.

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. Surveys the visual arts from the Renaissance to 1900.

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 150 - Digital Art Foundations I**

3 Credit Hours 60 Contact Hours

Explores visual problem solving using digital tools for fine art. Students will learn to draw and paint in a variety of artistic modalities using color and grayscale. Two-dimensional to three-dimensional observation exercises in composition will be explored. Students will develop their skills in gesture and contour drawing, painterly expression and artistic elements while using the computer as an art tool. Use of systematic applications for development and presentation of ideas is practiced using vector and raster software. No computer experience is necessary.

Prerequisite: Successful completion of ART 131 (grade C or higher).

### **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

Provides students with the knowledge base to understand the visual arts as related to Modern and Contemporary visual art. Surveys world art of the twentieth century, including Modernism to Post-Modernism.

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 250 - Digital Foundations II**

3 Credit hours 45 Contact hours

Reviews and further explores the process of generating design utilizing a variety of digital tools. In this course, students will develop their proficiency with the digital tools and learn more advanced techniques in drawing and painting. Students will develop and evaluate their design-oriented projects using the elements and principles. Portfolio development, strong content, and a blending of a variety of computer art applications will be emphasized.

Prerequisite: Successful completion of ART 150 (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 125 - Fingerspelling**

3 Credit hours 45 Contact hours

Provides the student an opportunity to develop expressive and receptive fingerspelling through various class activities.

Prerequisite: Permission by the Instructor.

### **ASL 135 - Conversational ASL**

2 Credit hours 30 Contact hours

Provides the student an extended opportunity to develop a strong grasp of American Sign Language (ASL) as well as the cultural features of the language. It helps the student maintain sign language skill. This course is designed for students who have not met the minimum requirements to continue on with ASL 221.

Prerequisite: Permission by the Instructor.

### **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 222 - American Sign Language V**

3 Credit hours 45 Contact hours

Continues ASL 221 with focus on assimilating previously acquired skills and knowledge and increase proficiency in understanding and using American Sign Language (ASL). Addresses debates in ASL.

Prerequisite: Successful completion of ASL 221 (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, the tools of the astronomer, and the contents of the solar system including the planets, moons, asteroids, comets, and meteoroids. Incorporates laboratory experience.



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 (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.

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 (Accuplacer EA 60+, ACT Math 19+, SAT Math 500+).

### **AST 150 - Astrobiology: Life in the Universe (GT-SC2)**

3 Credit Hours 45 Contact Hours

Introduces the interdisciplinary and scientific nature of the search for life in the universe, also known as astrobiology. Students will address the questions: How does life begin and evolve?" "Is there life elsewhere in the universe?" Students will examine life on Earth, its origin and evolution. The possibilities of other life in the solar system and throughout the universe will be examined. Students will investigate the current state of exploration and the search for extraterrestrial life.

Corequisite: its origin and evolution. The possibilities of other life in the solar system and throughout the universe will be examined. Students will investigate the current state of exploration and the search for extraterrestrial life."

Crosslisted as: Course This is a statewide guaranteed transfer course.

### **AST 155 - Astronomy of Ancient Cultures (GT-SC2)**

3 Credit hours 45 Contact hours

Introduces the study of archaeoastronomy and ethnoastronomy. Students will study the principles of naked eye astronomy and examine how those principles have been used for timekeeping, navigation, religion and ritual, political power, cosmology and worldview. Methods of the ethnoastronomer will be covered, including measurement of alignments, analysis of written records, examination of art and architecture and incorporation of general knowledge about the culture being studied. This course is approved as part of the Colorado Statewide Guaranteed Transfer Program.

### **AST 160 - Cosmology: The Big Bang the End of Time (GT-SC2)**

3 Credit hours 45 Contact hours

Explores the birth, large scale structure and eventual fate of the universe. The course will examine the evidence for, and science behind, the Big Bang and inflation, the expanding universe, dark matter and dark energy, and the possible futures of the universe as a whole. The rise of complex life in our universe, the anthropic principle and the theory of multiple universes will also be included. Unification theories may be covered.

## **BIO - Biology Courses**

### **BIO 103 - Principles of Animal Biology (GT-SC2)**

3 Credit hours 45 Contact hours

Introduces the student to the study of animals from the cellular level to the interactions of the organism within its environment, and their ecological contributions. This course includes principles of evolution, animal ecology, animal architecture, taxonomy, and phylogeny. It also includes the study of animal diversity, emphasizing the characteristics and classifications of animal phyla and major classes.

### **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 – as is the impact of biological science on society. Includes laboratory experiences. Designed for non-science majors.

Prerequisite: Successful completion of CCR 092, CCR 093, 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 110 - Foundations of College Biology**

5 Credit hours 105 Contact hours

Emphasizes general concepts of biology as a science and includes basic chemistry, cell structure and function, genetics, and evolution. This is a preliminary course designed for students pursuing human anatomy and physiology. Includes laboratory experience.

### **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.

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 (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

A continuation of Biology I. Includes ecology, evolution, classification, structure, and function in plants and animals. This course includes laboratory experience.

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.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **BIO 135 - Human Nutrition**

Refer to HWE 100 under "Health Wellness Education."

### **BIO 160 - Introduction to Biotechnology**

3 Credit hours 60 Contact hours

Introduces students to modern molecular biology technologies that include DNA, RNA, and proteins, and prepares them for research and industry. Laboratory experience includes sterile technique, microscopy, media preparation, and bacterial culturing.

Prerequisite: Successful completion of CHE 101 or CHE 111 (grade C or higher), and BIO 105 or BIO 111 (grade C or higher) or equivalent or permission of the Department Chair.

### **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, nervous, and endocrine systems. Includes a mandatory hands-on laboratory experience covering experimentation, microscopy, observations, and dissections. This is the first semester of a two-semester sequence.

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: cardiovascular, hematology, lymphatic and immune, urinary, fluid and electrolyte control,

digestive, nutrition, respiratory, reproductive, and development. Includes a mandatory hands-on laboratory experience involving experimentation, microscopy, observations, and dissection. This is the second semester of a two-semester sequence.

Prerequisite: Successful completion of BIO 201 (grade C or higher).

#### **BIO 204 - Microbiology with Lab (GT-SC1)**

4 Credit hours 90 Contact hours

Designed for health science majors. Examines microorganisms with an emphasis on their structure, development, physiology, classification, and identification. The laboratory experience includes culturing, identifying, and controlling microorganisms with emphasis on their role in infectious disease.

Prerequisite: Successful completion of BIO 111 or BIO 201 (grade C or higher).

#### **BIO 208 - General College Microbiology with Lab (GT-SC1)**

5 Credit hours 105 Contact hours

Designed for biology and health science majors. Surveys microorganisms with emphasis on their structure, development, physiology, classification, and identification. Includes microbial diversity, functional anatomy, biochemistry, genetics, ecology, and disease. Mandatory hands-on laboratory experience includes sterile technique, microscopy, culture procedures, and biochemical and genetic analysis.

Prerequisite: Successful completion of BIO 111 (grade C or higher) or equivalent or permission of the Department Chair.

#### **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 220 - General Zoology with Lab (GT-SC1)**

5 Credit hours 90 Contact hours

Focuses on the study of invertebrate and vertebrate animals, and examines structure, evolutionary development, ecology, classification, physiology, reproduction, and zoogeography. A survey of zoological diversity emphasizing the characteristics, zoological contributions, and classification of animal phyla and major classes. Requires hands-on laboratory and field experience. Designed for biology majors.

Prerequisite: Successful completion of BIO 112 (grade C or higher) or equivalent or permission of the Department Chair.

#### **BIO 221 - Botany with Lab (GT-SC1)**

5 Credit hours 105 Contact hours

This course is designed for biology majors. It is a study of nonvascular and vascular plants. It emphasizes photosynthetic pathways, form and function, reproduction, physiology, genetics, diversity, evolution, and ecology. This course requires mandatory hands-on laboratory and field experience.

Prerequisite: Successful completion of BIO 112 (grade C or higher).

#### **BIO 224 - Genetics (GT-SC1)**

4 Credit hours 90 Contact hours

Studies the fundamental laws of heredity and their application to living organisms. Covers the basics of genetics. Focuses on the laws of Mendel, linkage, mutation concept, molecular genetics, and Hardy-Weinberg law. Includes laboratory experience.

Prerequisite: Successful completion of BIO 112 (grade C or higher) or equivalent or permission of the Department Chair.

#### **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.

#### **BIO 285 - Independent Study**

0-12 Credit hours 15-90 Contact hours

Allows students to pursue a specific project within Biology. The student and instructor will determine the topic outline of work and method of evaluation.

Prerequisite: Successful completion of BIO 111 (grade C or higher) or equivalent or permission of the Department Chair.

## **BTE - Computer Information Systems Courses**

#### **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 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 and MAT 050 (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

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business processes. Emphasizes decision analysis for logistics efficiency of purchasing, supply and sourcing.

Prerequisite: Successful completion of CCR 092 and MAT 050 (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 (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 (Accuplacer EA 085+, ACT Math 23+, SAT Math 550+). \*\*Certificate seeking students who do not meet one of these, please contact the department chair. .

## **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: Successful completion of ENG 030 and REA 030 (grade C or higher) or appropriate assessment scores. Corequisite: AAA 109 must be taken at the same time, or have previously completed it with a 'C' or higher.

### **CCR 093 - Studio D**

**3 Credit hours 45 Contact hours**

Integrates and contextualizes reading and writing strategies tailored to a co-requisite 100-level course within one or more of the four discipline strands. The four discipline strands are defined as: Communications, Science, Social Science, and Arts and Humanities. Non-GT courses are not eligible for this consideration. Students will read and understand complex discipline specific materials, and respond to ideas and information through writing informative and/or persuasive texts.

Prerequisite: Appropriate assessment scores.

### **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.

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**

Includes the study of measurements, atomic theory, chemical bonding, nomenclature, stoichiometry, solutions, acid and base, gas laws, and

condensed states. Laboratory experiments demonstrate the above concepts qualitatively and quantitatively. Designed for non-science majors, students in occupational and health programs, or students with no chemistry background

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 (Accuplacer EA 85+, ACT Math 23+, SAT Math 550+).

### **CHE 102 - Introduction to Chemistry II with Lab (GT-SC1)**

**5 Credit hours 90 Contact hours**

Focuses on introductory organic and biochemistry (sequel to Introduction to Chemistry I). This course includes the study of hybridization of atomic orbitals for carbon, nomenclature of both organic and biochemical compounds, physical and chemical properties of various functional groups of organic chemistry, and physical and chemical properties of biochemical compounds along with their biochemical pathways. Laboratory experiments are included.

Prerequisite: Successful completion of CHE 101 (grade C or higher).

### **CHE 105 - Chemistry in Context (GT-SC1)**

**5 Credit hours 90 Contact hours**

Covers the study of measurements, matter, molecules, atoms, chemical bonding, nomenclature, energy, acids, bases, and nutrition. Course work examines chemistry in the modern world and surveys the current knowledge as well as the conceptual framework of the discipline. Chemistry as a science is explored, as is the impact of chemistry on society. This course includes laboratory experience and is designed for non-science majors.

### **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, reaction and equations, stoichiometry, and thermochemistry. This course covers 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 and molecular orbital theory. The course includes gases, liquids, and solids and problem-solving skills are emphasized through laboratory experiments.

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 (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, electrochemistry, nuclear chemistry, and organic chemistry. This course emphasizes problem-solving skills and descriptive contents for these topics. Laboratory experiments demonstrate qualitative and quantitative analytical techniques.

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

Focuses on an overview of the needs for and roles of computer information systems. Emphasizes computer requirements in organizations, history, hardware functions, programming, systems development, and computer operations. Introduces computer applications.

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

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

Explores a complete array of word processing skills needed to create, edit, format, and print documents. Other topics include character, paragraph, and page formats, the use of spell checker and thesaurus, hyphenation, tables, mail merge, document design, and graphics.

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, including 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

Exposes students to a wide range of uses of the electronic spreadsheet with special emphasis on using it as a business tool. Includes fundamentals and terms, creating and saving workbooks, entering and using formulas, formatting, printing, multiple-page workbooks, creating charts, entering and using functions, managing lists, and utilizing simple macros.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores and MAT 120 (grade C or higher) or qualifying assessment scores (Accuplacer EA 60+, ACT Math 19+, SAT 500+).

\*\*Certificate seeking students who do not meet one of these, please contact the Department Chair.

### 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 students 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 and controls, project management, implementation and evaluation. (Formerly CIS 276)

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).

Prerequisite: Successful completion of CIS 115 (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

2 Credit hour 30 Contact hour

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.

## 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 258 - Digital Forensics

Exposes the student to the field of digital computer forensics and investigation. This class provides the student with methods to properly conduct a digital forensics investigation including a discussion of ethics. Topics covered include fundamental concepts, history of computer forensics, file structures, data recovery techniques, computer forensic tools and analyses.

This course is not currently offered at CCA

### **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 and successful completion of MAT 121 (grade C or higher) or qualifying assessment scores (Accuplacer EA 60+, ACT Math 19+, SAT MAT 500+). Please note: Certificate seeking students who do not meet one of these, please contact the Department Chair. .

### **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 (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 enhance 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 260 - Listening in a Workplace Communication Setting**

**1 Credit hour 15 Contact hours**

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

### **COM 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 269 - Leadership**

**1 Credit hour 15 Contact hours**

Emphasizes the essential skills and attributes of leadership. Through lectures, activities and readings, the students will understand the differences between leadership and management, how theory leads to practice, and the appropriate leadership style to use according to the situation.

## **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.

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 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

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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, CCR 093, 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**

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

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, CCR 093, 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 231 - Intro to Forensic Science and Criminalistics** **3 Credit hours 45 Contact hours**

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

CCA does not currently offer this course.

### **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.

CCA does not currently offer this course.

### **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.

Prerequisite: Successful completion of CRJ 110 (grade C or higher) or Permission of Chair/Coordinator.

### **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. Emphasizes the design and implementation of structured and logically correct programs with good documentation. Focuses on basic programming concepts, including numbering systems, control structures, modularization, and data processing. A structured programming language is used to implement the student's program designs.

Prerequisite: Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores and successful completion of MAT 121 (grade C or higher) or qualifying assessment scores (Accuplacer EA 85+, ACT Math 23+, SAT Math 550+).

### **CSC 160 - Computer Science I: Java**

**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: Java**

**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).

### **CSC 240 - Java Programming**

**3 credit hours 45 Contact hours**

Introduces Java programming language and covers basic graphics, events/procedures, user interface, and libraries. Enables students to write and execute a variety of Java programs. Incorporates Java applets into HTML.

Prerequisite: Successful completion of CSC 119 (grade C or higher).

### **CSC 241 - Advanced Java Programming**

**3 credit hours 45 Contact hours**

Continues the study of the Java programming language. Covers advanced programming topics, including multi-threading, network/Internet programming, database programming, and JavaBeans. Enables students to write advanced, large, and complex programs.

Prerequisite: Successful completion of CSC 240 (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 scripting languages. Includes links, backgrounds, controlling text and graphic placement, tables, image maps, frames, 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) and CSC 119 (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.



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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 (grade C or higher).

### **ECE 113 - Infant/Toddler Lab Techniques II**

3 Credit hours 45 Contact hours

Continues ECP 112 with responsibility for planning and implementing developmentally appropriate activities and caregiving.

Prerequisite: ECE 101 (grade C or higher).

### **ECE 155 - Family and Parenting Issues**

1 Credit hour 15 Contact

Explores the types of family organizations, functional roles of family members, different parenting styles and other issues impacting children's development that families and parents are experiencing in today's society.

### **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 220, (ECE 238 or PSY 238) (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 209 - Observing Young Children**

1 Credit hour 15 Contact hours

Incorporates practice with a variety of assessment instruments currently utilized in Colorado ECE programs.

### **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 228 - Language and Literacy**

3 Credit hours 45 Contact hours

Presents strategies for optimum language development, literacy, and social and emotional development. Supports children's language and literacy (including English language learners) in home, classroom, and community settings. Provides appropriate teacher/children verbal interactions, classroom environments, and activities. Addresses ages birth through age eight. (Offered in the fall only).

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **ECE 236 - Child Growth/Dev Lab**

1 Credit hour 15 Contact hours

Covers the growth and development of the child from conception through the elementary school years. Emphasizes physical, cognitive, language, social and emotional domains and the concept of the whole child and how adults can provide a supportive environment. Addresses ages from prenatal through age 12.

### **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

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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 278 - Workshop - Reflective Leadership - Directors' Roundtable**

0-12 Credit hours 15-90 Contact hours

Provides students with an experiential learning opportunity.

### **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: Director Certificate Coursework, approval of Department Chair.

## **ECO - Economics Courses**

### **ECO 101 - Economics of Social Issues (GT-SS1)**

3 Credit hours 45 Contact hours

Examines the major socio-economic issues of the past century. Covers poverty and growth, education, health care, pollution and discrimination.

### **ECO 201 - Principles of Macroeconomics (GT-SS1)**

3 Credit hours 45 Contact hours

Focuses on the study of the American economy, stressing the interrelationship among household, business, and government sectors. Explores saving and investment decisions, unemployment, inflation, national income accounting, taxing and spending policies, the limits of the market and government, public choice theory, the Federal Reserve System, money and banking, and international trade.

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 (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

Studies the firm, the nature of cost, and how these relate to the economy as a whole. Analyzes economic models of the consumer, perfect competition, monopoly, oligopoly, and monopolistic competition. Explores economic issues including market power, population growth, positive and negative externalities, income distribution, poverty and welfare, discrimination, and international economic interdependence. This is a stand-alone course; ECO 201 is not a prerequisite.

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 (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 211 - Gender in the Economy (GT-SS1)**

3 Credit hours 45 Contact hours

Introduces students to how gender factors into the economy. It includes the concepts of femininity and masculinity and how these concepts play a role in consumption, labor and marriage markets, poverty and inequality, and globalization.

### **ECO 245 - Issues in Environmental Economics (GT-SS1)**

3 Credit hours 45 Contact hours

Introduces students to contemporary environmental issues and policies meant to reduce environmental degradation. Includes market failures, analytical tools, government pollution reduction policies for air, water, and natural environments and their effectiveness.

## **EDU - Education Courses**

### **EDU 131 - Introduction to Adult Education**

3 Credit hours 45 Contact hours

Provides an introduction to adult education with an emphasis on providing instruction to adult learners developing their ability to listen, speak, read, and write in English and learners with skills below 12th grade equivalency. Key areas include adult education theories, principles, methods and techniques; adult education legislation, initiatives and movements; adult basic education services and service providers; understanding the adult learner; metacognition; the instructional environment; and professional development for adult educators.

### **EDU 132 - Planning, and Delivering Instruction to Adult Learners**

3 Credit hours 45 Contact hours

Provides an introduction to planning and delivering instruction to adult learners with an emphasis on developing the English language proficiency of non-native English speakers and improving the skills of learners whose skills are below 12th grade equivalency. Key areas include identification of learners' skills, needs and goals; the use of information about learners to plan instruction and assessment; the development of learner independence; the creation of an instructional environment that supports and engages adult learners.

### **EDU 133 - Adult Basic Education (ABE) & Adult Secondary Education (ASE)**

3 Credit hours 45 Contact hours

Provides an introduction to providing literacy and numeracy skills instruction to adult learners functioning below 12th grade equivalency. Key areas include understanding the Adult Basic Education and Adult Secondary Education learner and the literacy and numeracy skills needed to complete each Educational Functioning Level; preparing written instructional plans; delivering level appropriate instruction using techniques and resources appropriate for ABE and ASE learners; using technology; and preparing learners to transition to postsecondary education and careers.

### **EDU 134 - Teaching English as a Second Language (ESL) to Adults**

3 Credit hours 45 Contact hours

Provides an introduction to providing instruction to adults who are developing English language proficiency. Key areas include understanding the adult ESL learner, the language acquisition process and the language skills needed to complete each Educational Functioning Level (EFL); preparing written instructional plans; delivering level appropriate instruction using techniques and resources appropriate for adult language learners; using technology; and preparing adult ESL learners to transition to postsecondary education and careers.

### **EDU 135 - Family Literacy in Adult Education**

3 Credit hours 45 Contact hours

Introduces students to the philosophy and theory behind family literacy, as well as give practical advice on the development and implementation of a family literacy program. The four-component model of adult education, early childhood education, parent and child together time (PACT), and parenting will be covered, both in theory and practical application.

### **EDU 188 - Practicum I**

0-12 Credit hours 12 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: Permission of the Department Chair.

### **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 the Exceptional Learner**

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 CCR 092, (grade C or higher) or equivalent assessment score.

### **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.

### **EDU 263 - Teaching and Learning Online**

3 Credit hours 45 Contact hours

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

Prerequisite: Successful completion of ENG 060 or CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment score.

### **EDU 266 - Adv College Teaching Methods**

1 Credit hours 15 Contact hours

Explores current adult learning theory, and relates this theory to the practice of teaching. It also covers a variety of factors that influence teaching and learning, including social and individual psychological aspects of adult learning, patterns of participation and motivation, the role of instructional technology, handling challenging classroom behaviors, and assessment and evaluation strategies. The main point raised and discussed throughout the course is that effective teaching requires that instructors utilize a range of teaching and assessment approaches and methods in order to enhance learning. (CTE credentialing class)

### **EDU 288 - Practicum II**

0-12 Credit hours To Be Assigned

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: Permission of the Department Chair.

## **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.

### **EKG 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.

### **EKG 275 - Special Topics**

0-6 Credit hours 15-75 Contact hours

To be determined by individual instructor. A specific course description, list of competencies, and topical outline will be developed for each special topics course. This information will be filed in the department and with the Registrar for placement in the curriculum master file.

## **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.

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 126 - EMT Basic Refresher**

2 Credit hours 60 Contact hours

Provides the student with a refresher course designed to meet the recertification requirements for the State of Colorado and/or a portion of the recertification requirements for National Registry.

Prerequisite: State of Colorado EMT certification and permission from the department required.

### **EMS 154 - Trauma Life Support**

1 Credit hour 15 Contact hours

Prepares the EMS provider to assess and manage trauma patients in the pre-hospital setting.

### **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 220 - Paramedic Refresher**

3 Credit hours 72 Contact hours

Updates the EMT-P in four specific areas of pre-hospital emergency care. Includes trauma, medical, Advanced Life Support (ALS) and elective topics focused on ancillary issues in EMS.

### **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.

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 279 - Seminar

0-12 Credit hours Contact hours vary

Provides students with an experiential learning opportunity.

### 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 minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing. Basic word processing skills needed.

Prerequisite: Successful completion of CCR 092, CCR 093, 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 and logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research. Basic word processing skills needed.

Prerequisite: Successful completion of ENG 121 (grade C or higher).

### **ENG 131 - Technical Writing I**

3 Credit hours 45 Contact hours

Develops skills students can apply to a variety of technical documents. Focuses on principles for organizing, writing, and revising clear, readable documents for industry, business, and government. Basic word processing skills needed.

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 students with skills necessary to enter into higher-level undergraduate academic discourse or professional workplace writing. ENG 201 extends students' rhetorical knowledge and develops critical reading, thinking, and writing strategies in multiple specialized areas of discourse beyond what they encounter in ENG 122. In ENG 201, students deepen their rhetorical and writing skills by learning to analyze, synthesize, summarize, complex texts and incorporate this information into specific writing conventions for a defined discipline. As a more advanced composition course, ENG 201 provides interested students with the opportunity to continue their exploration of expository writing with the added benefit of learning to write for distinct audiences (format, language, level of specificity, length, and documentation style). Students will also learn effective editing and revising techniques, discipline-specific writing strategies, and how to extend their mastery of rhetorical strategies. While ENG 201 may be taught with the focus in a variety of disciplines (science writing, gender studies, literary criticism, writing in the humanities, business writing, political geography, philosophy, and so on), every discipline will allow students the opportunity to learn how to communicate with specialized audiences and adapt content to the needs of varying rhetorical situations.

Prerequisite: Successful completion of ENG 122 (grade C or higher).

### **ENG 221 - Creative Writing I**

3 Credit hours 45 Contact hours

Teaches techniques for creative writing. Explores imaginative uses of language through creative genres, fiction, poetry, and literary nonfiction with emphasis on the students' unique style, subject matter, and needs.

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 such forms as poetry, fiction, and/or nonfiction writing.

Prerequisite: Successful completion of ENG 221 (grade C or higher) or permission of Department Chair.

### **ENG 226 - Fiction Writing**

3 Credit hours 45 Contact hours

Teaches techniques for creating fiction, including the study and appreciation of the language and forms of the short story.

Prerequisite: Successful completion of ENG 221 (grade C or higher) or permission of Department Chair.

### **ENG 227 - Poetry Writing**

3 Credit hours 45 Contact hours

Teaches techniques for creating poems, including study of figurative language, forms, and sound patterns of poetry.

Prerequisite: Successful completion of ENG 221 (grade C or higher) or permission of Department Chair.

### **ENG 230 - Creative Nonfiction**

3 Credit hours 45 Contact hours

Teaches students to incorporate literary techniques into factual writing. Enables the student to survey a wide range of readings and analyze form and content. Includes critical review, biographical profiles, travel writing, and memoirs. Provides the opportunity for students to write and review their own nonfiction in a supportive, constructive setting.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **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 001 - Basic Spelling****3 Credit hours 45 Contact hours**

Introduces students to techniques which increase basic spelling skills in English. Includes structured word analysis, rule analysis and spelling strategies for words not governed by rules.

Prerequisite: Appropriate score on assessment test.

**ESL 021 - Basic Grammar****3 Credit hours 45 Contact hours**

Assists students in mastering basic structures in English grammar through oral and written practice.

Prerequisite: Appropriate score on assessment test.

**ESL 022 - Intermediate Grammar****3 Credit hours 45 Contact hours**

Reviews basic grammar and introduces intermediate structures. Provides integrated practice through a variety of oral and written exercises.

Prerequisite: Successful completion of ESL 021 (grade C or higher) or equivalent assessment scores.

**ESL 023 - Advanced Grammar****3 Credit hours 45 Contact hours**

Reviews intermediate grammar. Introduces advanced 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. Assists students in developing 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. 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 212 - African-American Studies****3 Credit hours 45 Contact hours**



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Explores in-depth introduction of Africans to the colonies and historical developments through modern-day America. Focuses on the decisions and choices which have impacted African-Americans through contemporary times.

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.

## **FRE - French Courses**

### **FRE 111 - French 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.

### **FRE 112 - French 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 FRE 111 (grade C or higher) or permission by the Department Chair.

### **FRE 211 - French Language III (GT-AH4)**

3 Credit hours 45 Contact hours

Continues French I and II in the development of increased functional proficiency in listening, speaking, reading and writing the French language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion of FRE 112 (grade C or higher) or permission by the Department Chair.

### **FRE 212 - French Language IV (GT-AH4)**

3 Credit hours 45 Contact hours

Continues French Language I, II and III in the development of increased functional proficiency in listening, speaking, reading and writing the French language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion of FRE 211 (grade C or higher) or permission by the Department Chair.

## **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 101 - Firefighter II**

3 Credit hours 45 Contact hours

Addresses the requirements necessary to perform at the second 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 II, standard.

### **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 103 - Fire Behavior and Combustion**

3 Credit hours 45 Contact hours

Explores the theories and fundamentals of how and why fires start, spread, and are controlled.

### **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 110 - Job Placement and Assessment**

3 Credit hours 45 Contact hours

Addresses all aspects of the Fire Service entrance examination process and especially emphasizes various components of the exam, including the written, physical abilities, and oral interview. The objective of this class is to help

increase the entrance firefighter candidate's chance of obtaining a career in the Fire Service.

### **FST 121 - Technical Rope Rescue**

4 Credit hours 60 Contact hours

Provides students with the knowledge and skills to handle low and high angle rescues rope and associated hardware. Takes students from the introductory level up to advanced skills in three separate sessions. Belay, rappel, and raising systems are taught in a real-life setting in both high and low-angle rescue environments. Students are also taught care and maintenance of equipment.

### **FST 126 - Vehicle Extrication Awareness**

1 Credit hours 15 Contact hours

Provides the student with entry level knowledge and skills to safely operate at the scene of a vehicle/machinery extrication. Training in this course represents the minimum level of training needed to respond to a vehicle extrication incident.

### **FST 127 - Vehicle Extrication Operation**

2 Credit hours 30 Contact hours

Expands and refines the objectives of FST 126. Students shall be capable of hazard recognition, equipment use, and techniques necessary to operate safely and effectively at incidents involving persons injured or entrapped in a vehicle or machinery.

### **FST 128 - Vehicle Extrication Technician**

3 Credit hours 45 Contact hours

Expands and refines the objectives learned in FST 127. Training in this course represents the highest level of operation at the rescue scene involving vehicle extrication. Students shall be capable of hazard recognition, equipment use, and techniques necessary to operate and effectively supervise at incidents involving persons injured or entrapped in a vehicle or machinery.

### **FST 132 - Structural Collapse**

2 Credit hours 30 Contact hours

Covers the causes and types of structural collapse and the associated hazards; specific zones of collapse; ICS/IMS System; tools, equipment, and materials used in a structural collapse incident; shoring and equipment monitoring techniques; personal protective equipment and gear for structural collapse incidents.

### **FST 133 - Trench Rescue**

2 Credit hours 30 Contact hours

Covers trench types; trench versus excavation rescues; soil types encountered at trench rescue sites; collapse dynamics; ICS/IMS; equipment, materials, and tools used for rescue operations; personal protection issues; trench shoring; and victim extrication.

### **FST 134 - Confined Space Rescue**

2 Credit hours 30 Contact hours

Covers the definition of confined space; OSHA considerations and permit requirements; monitoring instruments; ICS/IMS; victim contact; breathing apparatus such as SABA/SCBA; communications and equipment, e.g., radio/hardwired; patient packaging; rescue versus recovery; and patient extrication.

### **FST 135 - Ice Water Rescue**

2 Credit hours 30 Contact hours

Covers types of ice encountered in ice water rescue; ICS/IMS; ice strength; patient evaluation and contact; rescue equipment; ice water rescue techniques; rescue suit safety; belay line and shore support; hypothermia; Zodiac boat techniques; and victim rescue.

### **FST 136 - Swift Water Rescue**

2 Credit hours 30 Contact hours

Covers fast water hazards and risk analysis relating to swift water rescue; low head dam; ICS/IMS; victims in vehicles; rescue equipment and techniques; rope systems and throw bags; reach/throw/go; rescuer safety and shore support; and personal protective equipment.

### **FST 170 - Clinical I**

2 Credit hours 32 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 252 - Fire Investigation II**

3 Credit hours 45 Contact hours

Provides the student with advanced technical knowledge on rule of law, fire scene analysis, fire behavior, evidence collection and preservation, scene documentation, case preparation, and testifying.

### **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 254 - HazMat Technician Level**

3 Credit hours 45 Contact hours

Focuses on techniques associated with hazardous materials mitigation, the use of monitoring devices, components of a mitigation teams, command and control of hazardous materials incidents.

Prerequisite: Successful completion of FST 107, FST 202, and FST 253 (grade C or higher).

### **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 comprise 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: Successful completion of or concurrent enrollment in ENG 121 (with a grade of C or better) or equivalent assessment score. Corequisite: 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: 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.

Prerequisite: Successful completion of FVM 105, FVM 117, FVM 160 (grade C or higher) AND successful completion or concurrent enrollment in FVM 136 AND FVM 150 (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: Successful completion of or concurrent enrollment in ENG 121 (with a grade of C or better) or equivalent assessment score.

### **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: 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: 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: 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: Successful completion of or concurrent enrollment in ENG 121 (with a grade of C or better) or equivalent assessment score. Corequisite: FVM 105.

### **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: 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: 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: Successful completion of ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher) or equivalent assessment scores.

### **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: Successful completion of ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher) or equivalent assessment scores.

### **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: Successful completion of ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher) or equivalent assessment scores.

### **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: Successful completion of or concurrent enrollment in ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher) or equivalent assessment scores.

### **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: Successful completion of ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher) or equivalent assessment scores.

### **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: Successful completion of ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher) or equivalent assessment scores.

### **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: Successful completion of ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher) or equivalent assessment scores.

### **FVM 275 - Special Topics (See course schedule for specific prerequisites)**

3 Credit Hours 45 Contact Hours

Offers a variety of courses on a one time or experimental basis. Courses can include skills, production, or appreciation content.

### **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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160, and (FVM 118, FVM 218, and successful completion or concurrency in FVM 155) or (FVM 205, successful completion or concurrency in FVM 153) or (FVM 155 and successful completion or concurrency in FVM 215) or (FVM 164 and successful completion or concurrency in FVM 215) or (FVM 155 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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful completion of ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 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: 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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful Completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 155, FVM 160, and (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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 camera and in the studio including studio protocol, microphone techniques, ADR and voicing animated characters. Students will explore sound and its effect on emotion and character and apply acquired techniques to support the story as defined visually.

Prerequisite: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful completion of ENG 121 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 all (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 captured in a single dynamic camera movement ("sequence shot") that enhances the dramatic presentation of narrative flow and character arc through exploration of the three dimensional set of the scene and its interpretation to the two dimensional space of the screen.

Prerequisite: Successful Completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 153, FVM 160, FVM 200, FVM 205, FVM 206 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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 and (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, 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: 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: Successful completion of (FVM 105, FVM 117, FVM 136, FVM 150, FVM 160), and (FVM 118, or FVM 155, or FVM 164), or (FVM 153, FVM 205 and successful completion or concurrent enrollment in FVM 206) (all grade C or higher).

### **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: Successful completion of ENG 122, FMV 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher).

### **FVM 227 - History of Acting**

3 Credit hours 60 Contact hours

A chronological education of acting styles, focusing first on acting and storytelling of the ancient world then studying individual achievements in acting methods still used today.

Prerequisite: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, and FVM 160 (grade C or higher).

### **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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160, FVM 218 (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: Successful completion of ENG 122 and (FVM 105, FVM 117, FVM 136, FVM 150, FVM 155, FVM 160) and (FVM 222, or FVM 232, or FVM 242) and (FVM 200 or FVM 220, or FVM 251) and (FVM 207 or FVM 252 or successful completion or concurrent enrollment in FVM 209) (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 workshoping a television pilot and the ancillary materials required to create and to market it.

Prerequisite: Successful completion of ENG 122, FMV 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 155, FVM 160, (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: Successful completion of ENG 122, FMV 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher).

### **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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160, and FVM 208 (grade C or higher).

### **FVM 250 - Writing for Broadcast Media**

3 Credit hours 60 Contact hours

Introduction to the basic skills in developing and writing a feature screenplay or teleplay including conceptualization, genre conventions, act structure, scene construction and character development combined with summarizing and describing written work through pitch session and assessing and discussing through writer's meetings. Students will create final projects working in teams (TV pilots/episodes) or as individuals (screenplays).

Prerequisite: Successful completion of ENG 122 and FVM 105, FVM 117, FVM 136, FVM 150, FVM 155, FVM 160 (grade C or higher) or equivalent assessment scores.

### **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: Successful completion of or concurrent enrollment in ENG 122 (grade C or higher) or equivalent assessment scores and successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful completion of ENG 122, and FVM 105, FVM 117, FVM 136, FVM 150, FVM 155, FVM 160, FVM 251 (grade C or higher) or equivalent assessment scores.

### **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: Successful completion of ENG 122, and FVM 105, FVM 117, FVM 136, FVM 150, FVM 155, FVM 160, FVM 251 (grade C or higher) or equivalent assessment scores.

### **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 by synthesizing video elements with effects. The coursework covers compositing, alpha channels, 2D and 3D effects.

Prerequisite: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: 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: 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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160, FVM 164, FVM 165 (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 155, FVM 160, FVM 251) and (FVM 222, or FVM 232, or FVM 242) and (FVM 252 or FVM 262), and ENG 122 (all grade C or higher) or equivalent assessment scores for ENG 122.

### **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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 155, FVM 160, FVM 251, and (FVM 222, FVM 232, FVM 242) and (FVM 252 or FVM 262), and ENG 122 (all grade C or higher) or equivalent assessment scores for ENG 122.

### **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: Successful completion of (FVM 105, FVM 117, FVM 136, FVM 150, FVM 160) and (FVM 200, FVM 205, FVM 206, FVM 220 and successful completion of or concurrent enrollment in FVM 213) or [(FVM 200 or FVM 220) and successful completion of or concurrent enrollment in FVM 229 and (FVM 207 or FVM 209)] (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: Successful completion of (FVM 105, FVM 117, FVM 136, FVM 150, FVM 160), and [(FVM 207, FVM 229, FVM 270) or (FVM 165, FVM 208, FVM 248, FVM 264)] (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (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: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160 (grade C or higher).

### **FVM 287 - Internship**

3 Credit hours TBA Contact hours

Provides Internship in the industry. Minimum of 130 hours.

Prerequisite: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, FVM 160) and (FVM 200 or FVM 220) (grade C or higher) AND Instructor 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.

## **GER - German Courses**

### **GER 111 - German 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 on CCR 092 (grade C or higher) or equivalent assessment score.

### **GER 112 - German 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 GER 111 (grade C or higher) or permission by the Department Chair.

### **GER 211 - German Language III (GT-AH4)**

3 Credit hours 45 Contact hours

Continues German Language I and II in the development of increased functional proficiency in listening, speaking, reading and writing the German Language. Note: The order of topics and the methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion of GER 112 (grade C or higher) or permission by the Department Chair.

### **GER 212 - German Language IV (GT-AH4)**

3 Credit hours 45 Contact hours

Continues German Language I, II and III in the development of increased functional proficiency in listening, speaking, reading and writing the German language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion of GER 211 (grade C or higher) or permission by the Department Chair.

## **GEY - Geology Courses**

### **GEY 108 - Geology of U.S. National Parks (GT-SC2)**

3 Credit hours 45 Contact

Explores significant geologic features and the processes that create them using examples and case studies from the U.S. National Park System. Weathering and erosional landforms, caves and reefs, coasts, glaciers, volcanoes, and complex mountains are discussed. Fundamental geologic concepts including plate tectonics, deep time, and rock classification are introduced and incorporated throughout the course.

### **GEY 111 - Physical Geology, with Lab (GT-SC1)**

4 Credit hours 90 Contact hours

Studies the materials of the earth, its structure, surface features, and the geologic processes involved in its development. Includes laboratory experience.

Prerequisite: Successful completion of CCR 094 (grade C or higher) or equivalent assessment scores and successful completion of MAT 120 (grade C or higher) or qualifying assessment scores (Accuplacer EA 60+, ACT Math 19+, SAT MAT 500+).

### **GEY 112 - Historical Geology, with Lab (GT-SC1)**

4 Credit hours 90 Contact hours

Studies the physical and biological development of the earth through the vast span of geologic time. Emphasizes the investigation and interpretation of sedimentary rocks, the record of ancient environments, fossil life forms, and physical events, all within the framework of shifting crustal plates. Course includes laboratory experience.

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

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: Permission of Instructor.

### **GEY 285 - Independent Study**

0-12 Credit hours 15-90 Contact hours

Meets the individual needs of student. Students engage in intensive study or research under the direction of a qualified instructor.

Prerequisite: Permission of Instructor.

## **HIS - History Courses**

### **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 206 - U.S. Family History and Genealogy**

3 Credit hours 45 Contact hours

Introduces genealogical and historical methods, sources, and standards for creating a family history using the broader context of social history - ordinary people's everyday lives.

### **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 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.

### **HIS 285 - Independent Studies in History**

3 Credit hours 60 Contact hours

Incorporates structured and guided, individualized research that is organized and tailored around the interests and needs of the individual student.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

## HPR - Health Professional Courses

### HPR 100 - Introduction to Health

3 Credit hours 45 Contact hours

Provides an exploratory course for students interested in a health career. Basic health skills such as vital signs and CPR will be included.

### 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 102 - CPR for Healthcare Professionals

.5 Credit hours 7.5 Contact hours

Meets the requirements for American Red Cross Professional Rescuer CPR or American Heart Association Basic Life Support for those who work in Emergency Services, Health Care and other professional areas. Material presented in this course is basic patient assessment, basic airway management, rescue breathing, AED use and CPR for infant, children and adult patients.

### 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 127 - Home Health Care Assistant I

1 Credit hour 22.5 Contact hours

Provides skills through lecture and hands-on lab and experience in both the classroom environment. Topics include family dynamics, communications skills, and boundaries. This homemaker assistant course will allow for attendance to basic client needs while providing companionship. This course of study can be the foundation towards assisting the client in their home setting.

### HPR 129 - Home Health Care Assistant II

1 Credit hour 22.5 Contact hours

Provides skills through lecture and hands-on lab, experience in both the classroom environment as well as the household sites. Topics include chronic illness & dying, marketing yourself. This course is designed to provide home care by assistants who attend to advanced medical client needs in the home while continuing to provide companionship. This course requires students to successfully complete homemaker assistants and personal care assistance prior to enrollment and requires the completion of the skills check list with instructor approval prior to participation in the practicum.

Prerequisite: Successful completion of HPR 127 (grade C or higher).

### HPR 146 - Relation Theory

2 Credit hours 30 Contact hours

Exposure to attitudes, behaviors and skills related to health care such as: teamwork, gender issues, working relationships, workplace success, computers in healthcare and community involvement.

### HPR 158 - Therapeutic Communication ESL

3 Credit hours 45 Contact hours

Provides instruction and practice in effective communication skills tailored toward foreign-born students interested in careers in the healthcare industry. This course emphasizes increasing speed and accuracy in free and guided conversations, pronunciation drills, cultural discussions, presentation skills, role-playing, and speeches. This class also includes writing skills instruction to engage students in academic research as well as personal reflection.

Prerequisite: Department approval.

### 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

2 Credit hours 30 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.

### HPR 178 - Medical Terminology (3 Credit Hours)

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

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under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

### **HPR 190 - Basic EKG Interpretation**

2 Credit hours 30 Contact hours

Provides instruction for interpretation of EKG strips, anatomy, and physiology of the heart, using three-lead monitoring as a guide. Twelve-lead EKG may be discussed.

### **HPR 200 - Advanced ECG Interpretations**

2 Credit hours 30 Contact hours

Focuses on each wave and interval of the complex, the axis, and the 12-lead presentation of some rhythm disturbances.

Prerequisite: Successful completion of HPR 190 (grade C or better) or equivalent experience.

### **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 219 - Professional Nursing Pathway II**

3 Credit hours 45 Contact hours

Building on the introduction to professional nursing established in HPR 209, this course is a continued investigation of the culture of healthcare safety and quality improvement. Concepts to be studied include the role of culture in the nurse-patient relationship; application of communication skills and attitudes; an exploration of non-acute nursing roles; quality improvement and safety competencies, and evidence based practice.

Prerequisite: Successful completion of HPR 209 (grade C or higher) and acceptance into the Integrated Nursing Pathway Program at CCA.

### **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 103 - Introduction to Film Art (GT-AH2)**

3 Credit hours 45 Contact hours

Studies the relationships among film's stylistic systems, narrative systems and audience reception. Students view, discuss and critically analyze a variety of films which represent a variety of genres and themes. The course incorporates the vocabulary of stylistic systems (for instance, cinematography and editing) and narrative systems (for instance, story structure and character motivation) as both relate to the kinds of meanings a film conveys.

### **HUM 115 - World Mythology (GT-AH2)**

3 Credit hours 45 Contact hours

Introduces students to a multidisciplinary approach to world mythology. Common themes are illustrated and connected to religion, philosophy, art, literature, music, and contemporary culture. In addition, students will study various ways of interpreting myth.

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 students to the history of ideas that have defined cultures through a study of the visual arts, literature, drama, music, and philosophy. It emphasizes connections among the arts, values, and diverse cultures, including European and non-European, from the Ancient world to 1000 C.E.

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

Examines the cultures of the 17th through the 20th centuries by focusing on the interrelationships of the arts, ideas, and history. Considers the influences of industrialism, scientific development and non-European peoples.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment score.

### **HUM 241 - Asian Arts and Cultures**

3 Credit hours 45 Contact hours

Explores the most popular religions and philosophies of China, Japan, and India and their relationships to the arts and cultures of Asia. Special emphasis will be placed on Hinduism, Buddhism, and Islam.

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 103 - Community First Aid and CPR**

1 Credit hour 15 Contact hours

Prepares the student for certification in CPR and Basic First Aid. Skills will include basic life support, airway obstruction, control of bleeding, shock, and patient care for the unconscious.

Prerequisite: Permission of the Instructor.

**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 121 - Wilderness First Aid and Outdoor Emergency Care**

2 Credit hours 30 Contact hours

Provides more advanced wilderness care for the First Responder or EMT provider.

Prerequisite: Requires current certification as First Responder or EMT.

**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 129 - Wilderness First Responder**

4 Credit hours 67.5 Contact hours

Provides the student with those skills and emergency medical care techniques used by guides, trip leaders and others providing primary care in backcountry setting. The student will be able to respond correctly to those medical and trauma situations commonly encountered when entry into the EMS system is delayed or unlikely.

**HWE 130 - WFR Refresher**

1 Credit hour 22.5 Contact hours

Meets the standards for recertification of a Wilderness First Responder certification. Topics to be included are CPR, patient assessment, trauma, medical, and environmental emergencies. This course is required to maintain a current Wilderness First Responder certification, which must be recertified every three years.

Prerequisite: Requires current certification as First Responder or EMT.

**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-improving 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.

## **JOU - Journalism Courses**

### **JOU 105 - Introduction to Mass Media (GT-SS3)**

3 Credit hours      45 Contact hours

Places the mass media in an historical and cultural perspective, considering the validity, integrity and influence of the media in a democracy.

## **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

Covers 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 109 - Culture and Conflict Resolution**

2 Credit hours      45 Contact hours

Students explore the role culture plays in dispute resolution and ways that gender, race, ethnicity, national origin, age, religion, sexual orientation, and language influence conflict resolution.

### **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 167 - Fingerprinting**

3 Credit Hours      45 Contact hours

An in-depth instruction of the interpretation, classification, and presentation in court of the Henry System of classification of fingerprint patterns. Instructor includes the discussion of lifting and preserving fingerprints from crime scenes. The processing of a crime scene using basically powders and a magna brush. The student will be proficient in the Henry System and use all kits and allied equipment in a high level at the completion of the course.

### **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.

### **LEA 241 - Security of Specialized Facilities**

2 Credit hours      30 Contact hours

Covers areas within the security field that require special knowledge, such as airport security, nuclear and atomic site control, clearance control, military and civilian integrated security systems, civil demonstrations, strikes, and riot control. Other areas included are specialized areas of accounting, computer control, and industrial espionage.

### **LEA 246 - Traffic Investigation and Management**

3 Credit hours      45 Contact hours

An overview of the skills and concepts necessary to complete an accurate investigation of a traffic collision. Traffic management concepts, selective traffic enforcement, and safety issues are discussed.

### **LEA 260 - Police Photography**

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. Focuses on current methods and techniques of police photography. Includes the use, nomenclature, and operation of 35mm and 4x4 cameras at simulated crime scenes and traffic

accidents are studied and practiced; development, printing, and enlargement of photos are also studied.

## LIT - Literature Courses

### LIT 115 - Introduction to Literature (GT-AH2)

3 Credit hours 45 Contact hours

Introduces students to fiction, poetry, and drama. Emphasizes active and responsive reading.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment score.

### LIT 175 - 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.

### LIT 201 - World Literature to 1600 (GT-AH2)

3 Credit hours 45 Contact hours

Examines significant writings in world literature from the ancients through the Renaissance. Emphasizes careful reading and understanding of the works and their cultural backgrounds.

Prerequisite: Successful completion of CCR 092, CCR 093, 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. Emphasizes careful reading and understanding of the works and their cultural backgrounds.

Prerequisite: Successful completion of CCR 092, CCR 093, 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. Focuses on significant works by authors who identify as African American, Native American, Latino/a, Asian American, and other ethnicities.

Prerequisite: Successful completion of CCR 092, CCR 093, 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

An overview of American literature from the Native American through the nineteenth century Romantics. It explores ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers.

Prerequisite: Successful completion of CCR 092, CCR 093, 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

An overview of American literature from the mid-nineteenth century to the present. Explores ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers.

Prerequisite: Successful completion of CCR 092, CCR 093, 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

An overview of British literature from the Anglo-Saxon period through the seventeenth century. Explores ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers.

Prerequisite: Successful completion of CCR 092, CCR 093, 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

An overview of British literature from the eighteenth century to the present. Explores ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers.

Prerequisite: Successful completion of CCR 092, CCR 093, 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 a selection of works by William Shakespeare. Focuses on careful reading and interpretation of the plays and poems, includes pertinent information about Elizabethan England, and examines formal as well as thematic elements of the selected works.

Prerequisite: Successful completion of CCR 092, CCR 093, 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 by and about women by examining women's issues from various genres.

Prerequisite: Successful completion of CCR 092, CCR 093, 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, CCR 093, 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

Examines African American literature from 1750 to the present, exploring ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment score.

### LIT 268 - Celtic Literature (GT-AH2)

3 Credit hours 45 Contact hours

Exposes the student to Irish literature. The course examines significant writing in Irish literature from the ancients through to the Twenty first century. The course emphasized the careful reading and understand of the works of poetry, fiction, and drama, as well as their cultural backgrounds.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment score.

### LIT 275 - Special Topics: Survey of Chicano/a Literature

3 Credit hours 45 Contact hours

Examines the cultural, historical and social contexts impacting Chicano/a and Latinx identities through critical reading and analysis. Focuses on significant works, including poetry, drama, and/or fiction, by authors who identify as Chicano/a and Latinx.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### LIT 278 - Seminar

0-12 Credit hours 15-90 Contact hours

Explores particular authors, topics, and themes in depth.

## MAN - Management Courses

### MAN 105 - Logistics Management

3 Credit hours 45 Contact hours

Explores the logistic system from in-bound movement of materials and freight into the organization, through physical distribution of the completed product to the consumer. Transportation systems, government regulations, material handling, inventory management, and distribution centers are covered.

Prerequisite: Successful completion of MAT 050 (grade C or higher) or equivalent assessment scores.

### MAN 156 - Problem Solving-Business Environment

3 Credit hours 45 Contact hours

Defines the problem solving and decision making processes. Those processes include: identifying decision elements, recognizing characteristics of good and bad decisions, practicing various approaches to decision making, utilizing a nine-step process for organizational decision making, exploring the nature of problems, understanding problem situation factors, identifying problems, considering the human side of problem solving and utilizing a six-step problem solving process.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### MAN 200 - Human Resources Management I

3 Credit hours 45 Contact hours

Provides the student with a broad overview of the contemporary issues, theories, and principles used to effectively manage human resources. Topics include recruiting, hiring, compensation and benefits, training and development, employee relations, and legal issues.

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 further discussions of concepts of Human Resources. Topics include techniques and procedures in resources planning, appraising performance, selection and staffing, training and development, job enrichment, and wage and salary administration.

Prerequisite: Successful completion of MAN 200 (grade C or higher).

### MAN 212 - Negotiation/Conflict Resolution

3 Credit hours 45 Contact hours

Presents proper techniques in negotiation and conflict resolution. Key practices that determine successful negotiation are explored. This course covers principles of conflict resolution including business policies, accepted business practices contracts, labor union contracts, pay raises and starting salaries.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### MAN 215 - Organizational Behavior

3 Credit hours 45 Contact hours

Examines the behaviors of groups and individual members or organizations and how that behavior can be influenced. Course 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 concepts and techniques used to analyze financial accounting information for managerial planning, decision-making, and control. The focus of this course is on decision-making relating to the areas of budgets, forecasts, cost volume production, ROI and financial statements.

Prerequisite: Successful completion of ACC 121 (grade C or higher).

### MAN 226 - Principles of Management

3 Credit hours 45 Contact hours

Presents a survey of the principles of management. Emphasizes the primary functions of planning, organizing, leading, and controlling with a balance between the behavioral and operational approach.

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 117 - Principles of Retailing

3 Credit hours 45 Contact hours

Emphasizes the study of the basic principles and techniques of merchandising, operations, layout, store organization, site location, and customer service with an emphasis on retailing operations.

### MAR 158 - Basic Customer Service

1 Credit hours 15 Contact hours

Focuses on basic concepts and techniques needed to effectively serve customers. Specific emphasis given to managing customer expectations by building customer rapport and creating positive outcomes.

### 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.

### 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 235 - Consumer Behavior

3 Credit hours 45 Contact hours

Enables the student to understand the variables that affect consumer behavior in the marketplace and the implications of this knowledge for marketing decisions and strategies.

### 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 025 - Algebraic Literacy Lab

Credit Hours 1 Contact Hours 15

Supports skill development for students registered in MAT 055 Algebraic Literacy. Topics covered in this course include those defined in MAT 055 and/or any pre-requisite skills needed by the student. For students with Accuplacer score EA 45-59, this course is a required co-requisite with MAT 055 Algebraic Literacy.

### **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: Successful completion of MAT 045 or MAT 060 (grade C or higher) or appropriate assessment scores. Corequisite: .

### **MAT 055 - Algebraic Literacy**

4 Credit hours 60 Contact hours

Develops 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 and inequalities, systems or linear equations, related applications, and math learning strategies. This course prepares students for College Algebra and Finite Math.

Prerequisite: Successful completion of MAT 050 (grade C or higher) or appropriate assessment scores. Corequisite: .

### **MAT 080 - Special Topics: Algebra Onboarding**

Credit hours 3 Contact hours 45

This course provides key prerequisite content necessary for College Algebra.

Corequisite: Qualifying assessment scores (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 (Accuplacer EA 20+, SAT Math 200+).

### **MAT 070 - Special Topics: Pre-Statistics**

Credit hours 4 Contact hours 60

This course is an accelerated one-semester introduction to Statistics or Math for Liberal Arts covering core concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and descriptive statistics. The core arithmetic and algebra skills needed to understand the concepts, formulas, and graphs used in Statistics/Math for Liberal Arts will be investigated in a "just-in-time" approach rather than the standard sequence. Additional emphasis will be placed on solving and graphing linear equations; modeling with linear functions; solving contextualized problems; and dimensional analysis.

Prerequisite: Successful completion of MAT 045 or MAT 060 (grade C or higher) or appropriate assessment scores.

### **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 (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 (Accuplacer EA 60+, SAT Math 500+, ACT Math 19). Corequisite: MAT 121.

### **MAT 101 - Enhanced Mathematics Support**

1 Credit Hour 15 Contact Hours

This course supplements math classroom instruction through the Mathematics Support Center, a student-centered learning environment. Students may use the following resources: professional and peer tutoring, mathematics and tutorial software, online tutorial resources, videotapes, and training guides for these resources. Students can obtain help with calculators and mathematical software required in their math courses.

Corequisite: MAT 050 or MAT 055.

### **MAT 103 - Math for Clinical Calculations**

3 Credit hours 45 Contact hours

Provides a review of general mathematics, introductory algebra and an opportunity to learn systems of measurement and methods of solving problems related to drug dosage and intravenous fluid administration. It is designed for students in the health disciplines. Topics may include algebra, graphs, measurement and conversion between various systems of measurement.

Prerequisite: Qualifying assessment scores (Accuplacer EA 20+, SAT Math 200+).

### **MAT 107 - Career Mathematics**

3 Credit hours 45 Contact hours

Covers material designed for career technical or general studies students who need to study particular mathematical topics. Topics may include measurement, algebra, geometry, trigonometry, graphs, and/or finance. These are presented on an introductory level and the emphasis is on applications.

Prerequisite: Qualifying assessment scores (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 (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 (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



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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 (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 (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 123 (grade C or higher) or qualifying assessment scores (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 (Accuplacer EA 20+, SAT Math 200+).  
Corequisite: MAT 179.

### **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.

**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 (Accuplacer EA 60+, SAT Math 500+, ACT Math 19+).

### **MAT 156 - Integrated Math II**

3 Credit hours 45 Contact hours

Furtheres 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 (Accuplacer EA 60+, SAT Math 500+, ACT Math 19+).

### **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 (Accuplacer CM 63+, SAT Math 560+, ACT Math 24+).

### **MAT 179 - Computer Applications for Statistical Procedures**

1 Credit hour 15 Contact hours

Uses statistical software and the World Wide Web to engage students in an active, visual approach to the topics covered in MAT 135. Students will work with real world data on problems of a practical nature.

Corequisite: MAT 135.

### **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.

**MAT 288 - Practicum**

6 Credit hours 90 Contact hours

Provides students with the opportunity to supplement coursework 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.

**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 CCR 092 (grade C or higher) or equivalent test scores.

**MGD 111 - Adobe Photoshop I**

3 Credit hours 60 Contact hours

Concentrates on the high-end capabilities of a raster photo-editing software 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.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores. Film Video Media courses: Successful completion of FVM 105, FVM 117, FVM 136, FVM 150, and FVM 160 (grade C or higher).

**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 of CCR 092 (grade C or higher) or equivalent test scores.

**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 of CCR 092 (grade C or higher) or equivalent test scores.

**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 of CCR 092 (grade C or higher) or equivalent test scores.

**MGD 141 - Web Design I**

3 Credit hours 60 Contact hours

Introduces web site planning, design, and creation using industry-standards-based web site development tools. Explores screen-based color theory, web aesthetics, use of graphics editors, and intuitive interface design.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**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: Computer and Digital Technology courses: Successful completion of CCR 092 (grade C or higher) or equivalent test scores.

**MGD 211 - Adobe Photoshop II**

3 Credit hours 60 Contact hours

Develops and reinforces image composition techniques learned in Adobe Photoshop I, MGD 111. Fundamentals are continuously reinforced as new design techniques are introduced.

Prerequisite: Successful completion of MGD 111 (grade C or higher).

**MGD 219 - Maya II**

3 Credit hours 60 Contact hours

Explores in-depth Maya animation techniques. Also, the student will be exposed to rigging characters for animation.

Prerequisite: Art and New Media courses: Successful completion of MGD 119 (grade C or higher). Film Video Media courses: Successful completion of MGD 119, FVM 105, FVM 117, FVM 136, FVM 150, and FVM 160 (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 CCR 092 (grade C or higher) or equivalent assessment scores.

### **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 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 100 - Introduction to Music Theory I**

3 Credit hours 45 Contact hours

Introduces the basics of music theory. Course designed to help the beginning music student, or those students with limited background in music theory, study the basic elements of music. Topics include notation, rhythm, scales, key signatures, intervals, chords, beginning level melodic and rhythm dictation, ear-training and sight singing skills.

### **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 108 - Principles of Acoustics**

3 Credit hours 45 Contact hours

Provides students with simplified acoustic and psychoacoustic concepts to promote an intuitive understanding of sound, its relation to and interaction

with physical environments, and the role of sensory perception in shaping the way humans hear.

### **MUS 110 - Music Theory I**

3 Credit hours 45 Contact hours

Presents music fundamentals, diatonic four-part harmony, analysis, ear training, and keyboard harmony. For music majors transferring to a 4-year program.

Prerequisite: Successful completion of MUS 100 (grade C or higher) or permission of Department Chair. Corequisite: MUS 112 Ear Training/Sight Singing I.

### **MUS 111 - Music Theory II**

3 Credit hours 45 Contact hours

Presents chromatic four-part harmony, analysis, ear training, and keyboard harmony.

Prerequisite: Successful completion of MUS 110 and MUS 112 (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

Presents exercises in sight-singing with melodic and rhythmic dictation.

Prerequisite: Successful completion of MUS 100 (grade C or higher).

Corequisite: MUS 110 Music Theory I.

### **MUS 113 - Ear Training/Sight Singing Lab II**

1 Credit hour 15 Contact hours

Presents exercises in sight-singing with melodic and rhythmic dictation.

Prerequisite: Successful completion of MUS 110 and 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 141-144 - Private Instruction**

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: Audition or assessment required. Since private lessons may be repeated for credit for a total of four semesters, they must be taken in sequence, beginning with MUS 141. Also, a fee is added to tuition. Scheduling lessons depends upon the availability of an instructor and space. To arrange for an audition or assessment and to enroll in private instruction, contact the Music Director, Michael Pickering, at 303-361-7425, F101A or michael.pickering@CCAurora.edu. Regular attendance at and participation in student performances is required. We currently offer private instruction in Guitar, Voice, and Piano.

### **MUS 151-154 - Ensemble I-IV**

1 Credit hours 30 Contact hours

Exposes the student to various types of literature in order to obtain an appreciation of the area of musical performance.

### **MUS 161 - Computer music Applications I**

3 Credit hours 45 Contact hours

Introduces students to the Digital Audio Workstation, current practices with MIDI instruments, MIDI sequencing, MIDI editing, music notation programs.

### **MUS 162 - Computer Music Applications II**

3 Credit hours 45 Contact hours

Designed to build on MUS 161. Course will further explore the Digital Audio Work (DAW) environment. Advanced music notation software techniques, creating unique synthesizer timbres, and audio/video synchronization will be among the topics explored. Prerequisite: MUS 161 or permission of instructor.

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.

### **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

Designed to give music students, or those students with a strong interest in business and music, a complete overview and in depth examination of the current, historic and projected business practices in the music industry.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

### **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)**

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) or Instructor's permission. Corequisite: MUS 212.

### **MUS 211 - Music Theory IV**

3 Credit hours 45 Contact Hours

Offers a continuation of chromatic harmony, analysis, ear-training, and keyboard harmony. New topics will include Impressionism and 20th Century styles of composition.

Prerequisite: Successful completion of MUS 210 (grade C or higher) or Instructor's permission. Corequisite: MUS 213.

### **MUS 212 - Advanced Ear Training/Sight-singing I Lab**

1 Credit hours 15 Contact Hours

Presents modulating and chromatic exercises in sight-singing and dictation. Dictation includes four-part writing.

Prerequisite: Successful completion of MUS 113 (grade C or higher) or Instructor's permission. Corequisite: MUS 210.

### **MUS 213 - Advanced Ear Training/Sight-singing II Lab**

1 Credit hours 15 Contact Hours

Presents modulating and chromatic exercises in sight-singing and dictation. Dictation includes four-part writing.

Prerequisite: Successful completion of MUS 212 (grade C or higher) or Instructor's permission. Corequisite: MUS 211.

### **MUS 251 - Ensemble I**

1 Credit hours 15 Contact Hours

Rehearses and performs various types of musical literature. Second year, first term.

### **MUS 252 - Ensemble II**

1 Credit hours      15 Contact Hours

Rehearses and performs various types of musical literature. Second year, second term.

### **MUS 253 - Ensemble III**

1 Credit hours      15 Contact Hours

Rehearses and performs various types of musical literature. Second year, third term.

### **MUS 254 - Ensemble IV**

1 Credit hours      15 Contact Hours

Rehearses and performs various types of musical literature. Second year, fourth term.

### **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.

Corequisite: Successful completion of CCR 092 (C or better) or equivalent assessment scores.

### **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) or Instructor's permission. Corequisite: MUS 211.

### **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.

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 CCR 092 (grade C or higher) or equivalent assessment scores.

### **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.

### **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 CCR 092 (grade C or higher) or equivalent assessment scores.

### **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) or Instructor's permission.

### **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 and HPR 102 (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.

## **PAR - Paralegal Courses**

### **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

A basic course in tort law, including negligence, intentional torts, and strict liability, with emphasis on personal injury litigation.

**PAR 117 - Family Law**

3 Credit hours 45 Contact hours

Covers domestic law, common property, dissolutions, adoptions, legal separation, and other family law issues.

**PAR 118 - Contracts**

3 Credit hours 45 Contact hours

Covers the basic principles of contract law. Includes offer, acceptance, intent, consideration, capacity, performance, and remedies.

**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

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 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

Studies the major types of business organizations, including sole proprietorships, partnerships, and corporations.

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 current legal issues, ethics, and morality.

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

Studies 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,

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muscular strength and endurance exercises to promote positive changes in health-related fitness components.

### **PED 102 - Weight Training**

**1 Credit hour 15 Contact hours**

Offers basic instruction and practice in weight training. Students utilize weight training equipment in accordance to their abilities and goals. Emphasizes weight training equipment orientation, correct lifting techniques, and basic program design for men and women.

### **PED 103 - Advanced Weight Training**

**2 Credit hours 30 Contact hours**

Offers guided instruction and independent practice in weight training for men and women. Students practice various weight training techniques in accordance with their abilities. Emphasizes physiological considerations, equipment orientation, correct lifting techniques, program design, and nutrition.

### **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. Emphasizes the development of decision-making and problem-solving skills.

Prerequisite: Successful completion of CCR 092 (grade C or higher) or equivalent assessment scores.

**PHI 120 - Applied Ethics**

3 Credit hours 45 Contact hours

Focuses on different applications of ethics in contemporary society and disciplines, including business ethics, biomedical ethics, genetic ethics, issues of dental ethics, and other valid applications.

Prerequisite: Acceptance into the Integrated Pathway to Baccalaureate Nursing Education Program or permission of faculty. Corequisite: Acceptance into the Integrated Pathway to Baccalaureate Nursing Education Program or permission of faculty.

**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

Critically analyzes theories of value of the natural world. Topics 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, including deep ecology and eco-

feminism; and the connection between moral and political values and economic policies.

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 a soul and life after bodily death, the epistemological assessment of arguments for the soul and life after death, the ethical justifications taken on positions such as rational suicide and assisted suicide, as well as a focus on philosophy's existentialist contribution to questions about the meaning of life and the meaning of death.

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 105 - Conceptual Physics, with Lab (GT-SC1)**

4 Credit hours 90 Contact hours

Focuses on mechanics, heat, properties of matter, electricity and magnetism, light, and modern physics. Incorporates laboratory experience.

Prerequisite: Successful completion of MAT 121 (grade C or higher) or qualifying assessment scores (Accuplacer EA 85+, ACT Math 23+, SAT Math 550+).

**PHY 111 - Physics: Algebra Based I with Lab (GT-SC1)**

5 Credit hours 105 Contact hours



Explores the physical world through reasoning, mathematics and experimentation. Examines kinematics, force, circular motion, energy, momentum, torque, rotational dynamics, simple harmonic motion, temperature, heat and thermodynamics. The concepts and theories presented are explored through demonstrations and hands-on experiments. It is a general physics course that is recommended for all of the health sciences and all other interested students. Students entering engineering or one of the advanced sciences should register for PHY 211.

Prerequisite: Successful completion of MAT 122 or MAT 166 (grade C or higher) or qualifying assessment scores (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

Expands upon PHY 111 and covers sound waves, electric fields, electric circuits, magnetic fields, optics, and modern physics. Explores the concepts of and theories presented in class are explored through demonstrations and hands-on experiments.

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

Explores the physical world through reasoning, mathematics and experimentation. Covers kinematics, force, gravity, energy, momentum, torque, rotational dynamics, and fluids, and may include thermodynamics. The concepts and theories presented in class are explored through demonstrations and hands-on experiments. This first semester calculus-based physics course is recommended for students entering engineering or one of the advanced sciences.

Prerequisite: Successful completion of MAT 201 (grade C or higher) and successful completion of CHE 111 (grade C or higher).

### **PHY 212 - Physics: Calculus Based II with Lab (GT-SC1)**

5 Credit hours 105 Contact hours

Expands upon PHY 211 and examines waves, electric fields, electric circuits, magnetic fields, light and optics, and modern physics. Concepts and theories presented in class are explored through demonstrations and hands-on experiments.

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 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.

## **PSM - Public Security Management Courses**

### **PSM 101 - Introduction to Private Security**

3 Credit hours 45 Contact hours

Introduces the topics of security and loss prevention in proprietary and governmental institutions. An overview of the historical, philosophical, and legal basis of private security and its role in a modern society is also presented.

### **PSM 102 - Crime Prevention and Technologies**

3 Credit hours 45 Contact hours

Explores the contemporary security management and loss prevention issues that require expertise in specialized investigative methods. Computer-related investigations, such as child abduction, fraud, and identification theft, will be covered with a focus on how the Internet can be used as an investigative tool. A historical perspective of terrorism as well as special investigative techniques associated with the investigation of terrorist activity will be presented. Additional analyses and discussions will center on forensic advances as they relate to suspect identification and loss prevention analysis.

### **PSM 103 - Loss Prevention and Risk Management**

3 Credit hours 45 Contact hours

Explores the roles, techniques and strategies of safety and risk management in both the private and public sectors. Students will examine the concept, techniques, and strategies of asset protection, crime prevention and loss reduction, with emphasis upon the selection and implementation of comprehensive prevention systems and loss-reduction strategies. Topics will include facility security, OSHA regulations and topologies of fraud.

### **PSM 104 - Homeland Security: Introduction to Emergency Management**

3 Credit hours 45 Contact hours

Offers the student an orientation to the position of Emergency Manager; the requirements for emergency preparedness in the USA; an orientation to community disaster relief; basic incident command systems; State disaster management; the role of emergency management in community preparedness, response and recovery; and the response to failure of infrastructure on individuals and communities.

### **PSM 105 - Crime and Forensics**

3 Credit hours 45 Contact hours

Examines the philosophical considerations of the integration of forensic science disciplines with criminal investigations. The course encompasses and provides an overview of physical evidence and examines the major forensic sub disciplines of pathology, toxicology, deontology, anthropology, art, firearms and tool marks, criminalistics, serology, and questioned documents. The course provides an important base for the security management professional who may become the first responder in a crime scene.

### **PSM 110 - School Violence**

3 Credit hours 45 Contact hours

Provides an understanding of what leads to violence and the types of support that research has shown to be effective in preventing violence as a necessary tool for the security management professional. Preparing for a violent confrontation or the threat of physical harm is not an everyday occurrence. Although most schools are safe, the violence that occurs in our neighborhoods and communities has found its way inside the schoolhouse door.

### **PSM 111 - Workplace Violence**

3 Credit hours 45 Contact hours

Explores the complicated issues that result in Workplace Violence through a systematic approach to behavioral cues. Understand the potential violent behavior that may begin to manifest in a troubled worker. Analyze the situation so that identification and mitigation can be implemented without endangering others. Understand what individuals and managers must do when they see potentially violent employee clues, and how to create and maintain a safe work environment.

### **PSM 112 - Preventing Liability - Steps for the Security Professional**

3 Credit hours 45 Contact hours

Understand the issues of common liability. Enhances the security professional's ability to avoid the pitfalls of lengthy litigation. Emphasizing prevention, reduction and removal of liability issues becomes a tangible asset for the security professional.

### **PSM 130 - Homeland Security Law**

3 Credit hours 45 Contact hours

Provides a comprehensive overview for business, industry, and government as well as those faced with the new legal and security issues raised by new public laws, the new regulatory framework, and a new Department of Homeland Security. A complete overview of homeland security laws and regulations; Emerging public safety requirements and policies; Current and evolving programs to protect water, food and air supplies; Latest security challenges in air transportation, vessel and port operations, and chemical handling and storage; Privacy rights-finding the right balance with security concerns; Human resource issues-hiring, firing, monitoring, providing a safe workplace, and Department of Homeland Security: organizational structure and management priorities; Developing the most effective and compliant security plans.

### **PSM 131 - Intelligence and Homeland Security**

3 Credit hours 45 Contact hours

Analyzes intelligence and homeland security relationships using a case study methodology; examines the evolving relationship between intelligence and homeland security strategy; challenges the student with an exercise in which students will be placed in the role of a government or organization having to deal with a hypnotically 21st Century security crisis.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores or Department approval.

### **PSM 132 - Threat and Vulnerability Assessment and Counterintelligence**

3 Credit hours 45 Contact hours

Examines the variety of new indicators, warning methodologies, and analytical tools available to analysts; reviews the extensive academic, governmental, and policy literature on terrorism forecasting developed to assess and forecast terrorism in its numerous dimensions. Students will comprehend the various analytical capabilities of the types of terrorist threats that most likely to confront the USA and its allies in the near future and predict how to develop proactive defenses for the long-term protection of society.

Prerequisite: Requires acceptance to CCA Police Academy.

### **PSM 133 - Homeland Security: Weapons of Mass Destruction**

3 Credit hours 45 Contact hours

Provides an overview of the radiological, chemical, biochemical, and biological threat to Homeland Security. Analyzes the agents and means of dissemination or attack that an adversary nation, group, or terrorist cell may employ to deliver these agents; reviews the current and projected means, techniques, and procedures for defense against such agents; reviews theory and practices in chemical and biological threats to develop proactive defensive postures to defeat these threats.

### **PSM 134 - Homeland Security: Critical Incident Response Management**

3 Credit hours 45 Contact hours

Examines the potential results from nuclear, biological, and chemical incidents or uses. Analysis of Critical Incident Management of Natural Disasters: Hurricane, Tornado, Blizzard, Fire, Flood, and Earthquake. Review of public health consequences; development of emergency planning and response measures in place among US agencies, State agencies, and emerging detection and management technologies; discussion of existing vulnerabilities to these types of incidents and attacks; protection of infrastructures and communication alternatives will also be examined.

Prerequisite: Prerequisite or Corequisite: Successful completion of PSM 131 (grade C or higher).

### **PSM 135 - Critical Infrastructure Protection**

1 Credit hours 15 Contact hours

Explores the facets of Critical Infrastructure protection. Provides the student with an interactive forum to develop protection strategies.

### **PSM 137 - Introduction to Mitigation**

3 Credit hours 45 Contact hours

Provides students with information and skills necessary to sustain actions to reduce or eliminate long-term risk to people and property from hazards and their effects.

### **PSM 200 - National Incident Management System/Interagency Operations**

3 Credit hours 45 Contact hours

Explores several components that work together as a system to provide a national framework for preparing for, preventing, responding to, and recovering from domestic incidents. These components include command and management, preparedness, resource management, communications and information management, supporting technologies, and ongoing management and maintenance.

### **PSM 201 - Private Security Management and Administration**

3 Credit hours 45 Contact hours

Presents a study of administration and management principles and practices applicable to security management and loss prevention. Topics will focus on organizational structure and development, operations, technology and trends, and management theories.

### **PSM 202 - Legal and Ethical Issues in Private Security**

3 Credit hours 45 Contact hours

Offers an in-depth analysis of ethical issues confronting the modern security management professional. Current issues are examined in light of both classical and contemporary standards. Students will articulate an understanding of the symbiotic nature of ethics, morality, and legality through application of written and oral skill in the resolution of police implementation and role conflict.

### **PSM 203 - Evaluation of Security Programs**

3 Credit hours 45 Contact hours

Examines industry standards, practices, and methods of determining the adequacy of security management programs. It also explores the concepts of legal and premises liability. Finally, this course explores the interplay of management structures, functions, and processes as well as examines state-of-the-art management techniques and their impact on security operations.

### **PSM 204 - Terrorism**

3 Credit hours 45 Contact hours

Provides students with an interactive opportunity to develop enforcement strategies for investigating terrorism, intelligence gathering, and justice. The course will focus on the history and development of traditional and non-traditional terrorist acts, cells, supporting countries, and homeland defensive methodologies for the security professional. The operational strategies of law enforcement in combating terrorism, including electronic surveillance, intelligence operations, and covert operations will be discussed and applied in role-play situations.

Prerequisite: Prerequisite or Corequisite: Successful completion of PSM 131 (grade C or higher).

### **PSM 205 - Crime Prevention through Environmental Design**

3 Credit hours 45 Contact hours

Explore the contemporary security management and loss prevention issues are required in architectural design, space management, and urban planning. The concepts presented explain the link between design and human behavior. Understanding this link can enable a planner to use natural environmental factors to minimize loss and crime - and to maximize productivity.

### **PSM 210 - Physical Security and Foreseeability**

3 Credit hours 45 Contact hours

Offers the student an opportunity to explore the issues surrounding the appropriateness of the existing security in any location; Review of issues such as industry standards and adequacy of hiring, training, supervision, and policies; Comparison of physical security to ensure reasonableness and appropriateness. Emphasis will be placed on a thorough review of the issue of foreseeability assessment in the determination of proximate cause.

### **PSM 220 - White Collar Crime and Fraud Investigation**

3 Credit hours 45 Contact hours

Define and examine white-collar crime and, through a comprehensive analysis of this type of crime, to ascertain who are the predators and victims of this nonviolent but costly criminal activity. Once white-collar criminals and victims have been identified, this course will explore what can be done to deter this crime. In addition, the economic impact of this crime will be reviewed to determine the financial burden caused by white-collar crime.

### **PSM 230 - Physical Security**

3 Credit hours 45 Contact hours

Examines the security controls of a physical nature, with the idea that they can only be regarded as one security element in a complete system of many different elements. Examination of site selection, location of facilities on the site, protection of those assets, and budgeting and cost benefit analysis. Physical barriers are examined and discussed to include vaults, safes, fire-resistant buildings, walls, floors, roofs and doors - meeting functional objectives from the viewpoint of object illumination, physical deterrence, and psychological deterrence.

### **PSM 231 - Patrol, Surveillance, and Countermeasures**

3 Credit hours 45 Contact hours

Offers the student an opportunity to examine the origins of security. Security originally began as a "guarding" operation. The activity was known as plant protection and the organization was almost entirely watchmen. Security Officers are now recognized as an integral part of the overall security protection plan. This course examines patrol functions, surveillance and countermeasures.

### **PSM 232 - Premises Liability for the Security Professional**

3 Credit hours 45 Contact hours

Ascertain and review the problem of premises liability to better serve the needs for protection of assets, people and property. Propose and manage preventive measures to take a proactive approach to the inevitable accident or violent act that may occur on premises.

### **PSM 233 - Public Safety Supervision**

3 Credit hours 45 Contact hours

Provides a comprehensive overview for business, industry, and government as well as those faced with the new legal and security issues raised by new public laws, the new regulatory framework, and a new Department of Homeland Security. A complete overview of homeland security laws and regulations; Emerging public safety requirements and policies; Current and evolving programs to protect water, food and air supplies; Latest security challenges in air transportation, vessel and port operations, and chemical handling and storage; Privacy rights-finding the right balance with security concerns; Human resource issues-hiring, firing, monitoring, providing a safe workplace, and Department of Homeland Security: organizational structure and management priorities; Developing the most effective and compliant security plans.

### **PSM 240 - Hazmat Awareness for Security Professionals**

3 Credit hours 45 Contact hours

Exploring the Occupational Health and Safety Act's (OSHA) general industry standards and integrates materials from other consensus and proprietary standards that relate to hazardous materials - United Nations and National Fire Protection Act - including flammable and combustible liquids, compressed gases, LP-Gas, cryogenic liquids, anhydrous ammonia and explosives. Processes such as welding, spraying and dipping are covered, as well as electrical equipment, ventilation, and fire protection. This knowledge base prepares the first responder to be alert, aware and safe.

### **PSM 241 - Environmental Health and Safety - Occupational Health and Safety Act (OSHA) Awareness**

3 Credit hours 45 Contact hours

Designed to present detailed information on how the provisions of the OSHA Act may be implemented in the workplace. Rights and responsibilities under the OSHA Act, the appeals process, and record keeping are covered. OSHA's general industry standards and an overview of the requirements of the most frequently referenced standards will also be addressed.

### **PSM 250 - Contemporary Issues in Security Management**

4 Credit hours 60 Contact hours

Offers topics important to Public Security Management Professionals - discussion will include concepts and applications that pertain to managing hostage situations and critical incidents in both terrorist and critical incident response to a major disaster, and the evolution and cultural response to the social issue of domestic violence with a focus on the "cycle of violence." Additional topics include how technology and advances in technology are instrumental to public security professionals, and common misconceptions regarding the portrayal of public security professionals in respect to today's media coverage.

### **PSM 275 - Special Topics**

1-12 Credit hours 15-180 Contact hours

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

### **PSM 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.

Prerequisite: Permission of the Department.

## **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, sexuality and memory.

Prerequisite: Successful completion of CCR 092, CCR 093, 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, and social psychology. This is a stand-alone course; PSY 101 is not a prerequisite.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 107 - Work Group Psychology: (GT-SS3)**

3 Credit hours 45 Contact hours

Introduces the psychology of work groups in the modern workplace. Emphasizes team dynamics, social diversity issues, team building, interpersonal communication skills, goal setting, time and resource management, and consensus decision making.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 110 - Career Development**

3 Credit hours 45 Contact hours

Assists students in recognizing their career potential and provides tools for making realistic decisions concerning educational and occupational objectives.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 112 - Psychology of Adjustment: (GT-SS3)**

3 Credit hours 45 Contact hours

Emphasizes personal growth and development of interpersonal skills. Focuses on practical application of psychological principles and theories in achieving self-understanding and personal growth.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 117 - Parenting**

1 Credit hours 15 Contact hours

Focuses on effective techniques for working with children, with emphasis on setting realistic expectations, consideration of individual differences, satisfactory communication, and effective parent-child relationships.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 204 - Relationships: Challenges and Choices**

1 Credit hours 15 Contact hours

Enables the student to preserve and enhance couple relationships by understanding the role of gender differences; conflict patterns; communication skills; problem solving; meaning of commitment, fun, and friendship.

Prerequisite: Successful completion of CCR 092, CCR 093, 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.

Prerequisite: Successful completion of CCR 092, CCR 093, 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.

Prerequisite: Successful completion of CCR 092, CCR 093, 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 social settings, including attitudes, aggression, conformity, cooperation and competition, prejudice, and interpersonal attraction.

Prerequisite: Successful completion of PSY 101 or PSY 102.

### **PSY 227 - Psychology of Death and Dying (GT-SS3)**

3 Credit hours 45 Contact hours

Examines the philosophies of life and death, emphasizing dying, death, mourning, and the consideration of one's own death.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 231 - Positive Psychology (GT-SS3)**

3 Credit hours 45 Contact hours

Focuses on human strengths rather than the traditional view of psychology that tends to focus on the worst of human nature. This course is designed to explore strengths-based research, concepts of happiness, helpfulness, and resiliency. The research and theories about human nature will go beyond simply not being mentally ill as a form of mental health, which will include optimism, post-traumatic growth, and how to increase emotional, psychological and social functioning. Overall, this course will be focused on understanding one's own sense of life satisfaction and how to further improve well-being. This course is approved as part of the Colorado Statewide Guaranteed transfer curriculum: GT: SS3.

Prerequisite: Successful completion of PSY 101 (grade C or higher) or equivalent assessment scores.

### **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.

Prerequisite: Successful completion of PSY 101 (grade C or higher) or equivalent assessment scores.

### **PSY 237 - Child and Adolescent Psychology**

3 Credit hours 45 Contact hours

Explores human development from conception through adolescence, emphasizing physical, cognitive, emotional, and psychosocial factors.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 238 - Child Development (GT-SS3)**

3 Credit hours 45 Contact hours

Focuses on the growth and development of the individual from conception through adolescence emphasizing physical, cognitive, emotional, and psychosocial factors.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 240 - Health Psychology (GT-SS3)**

3 Credit hours 45 Contact hours

Students will learn an overview of the scientific study of attitudes, behaviors and personality variables related health, illness and bodily systems. Emphasis is on the interaction of biological, psychological and social factors that cause illness and influence its treatment and prevention.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment score.

### **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 247 - Child Abuse and Neglect**

**3 Credit hours 45 Contact hours**

Examines the causes and effects of physical, sexual, and psychological abuse and neglect. Emphasizes intervention and prevention strategies.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **PSY 249 - Abnormal Psychology (GT-SS3)**

**3 Credit hours 45 Contact hours**

Examines abnormal behavior and its classification, causes, treatment, and prevention.

Prerequisite: Successful completion of PSY 101 or PSY 102 (grade C or higher).

### **PSY 265 - Psychology of Personality (GT-SS3)**

**3 Credit hours 45 Contact hours**

Examines the structure, function, and development of personality. Investigates the major contemporary theories of personality. Covers psychodynamic, behavioral, cognitive-social learning, humanistic, trait, and, optionally, neurobiological, existential, and/or Eastern, perspectives. The underlying assumptions and research support for these theories are appraised. Enables the student to gain an appreciation of the value of alternative theoretical approaches to this subfield of psychology.

### **PSY 268 - Organizational Psychology**

**3 Credit hours 45 Contact hours**

Provides a comprehensive study of psychological principles and theories as applied to organizational behavior. Topics include motivation, job satisfaction, conflict, supervision, human relations, and stress management.

Prerequisite: Successful completion of PSY 101 or PSY 102 (grade C or higher) or equivalent assessment scores.

### **PSY 275 - Special Topics**

**0.5-6 Credit hour 7.5-90 Contact hours**

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

## **RCA - Respiratory Care Courses**

### **RCA 105 - Introduction to Respiratory Care**

**1 Credit hour 15 Contact hours**

Introduces the profession of respiratory care including history of the profession ; current and future role of the respiratory care professional ; role, function, and interrelationships of several professional organizations ; introduces quality and evidence-base practice ; patient safety, communication and record keeping ; the principles of infection control ; and legal and ethical implications in the practice. This is a hybrid course.

Prerequisite: BIO 201 or permission of Program Director.

### **RCA 121 - Fundamentals of Clinical Care**

**3 Credit hours 45 Contact hours**

Provides information necessary to function safely and efficiently in the clinical setting. It includes the study of universal precautions, infection control, asepsis, body mechanics, patient charting, communication skills, organizational skills, and basic patient assessment.

Prerequisite: BIO 201 or Permission of Program Director.

### **RCA 132 - Basic Techniques-Respiratory Care II**

**5 Credit hours 90 Contact Hours**

Continues RCA 131 and focuses on airways, aerosol therapy, chest physiotherapy, and positive pressure breathing.

Prerequisite: BIO 201 or Permission of Program Director.

### **RCA 151 - Cardiopulmonary Anatomy/Physiology**

**3 Credit hours 67.5 Contact hours**

Focuses on the structure of the pulmonary and cardiovascular systems. Addresses independent functional relationships.

Prerequisite: BIO 201 or Permission of Program Director.

### **RCA 152 - Cardiopulmonary Pathology**

**4 Credit hours 60 Contact hours**

Focuses on a study of the diseases affecting the lungs and pulmonary circulation. Emphasizes clinical manifestations and the relationship of pathology and treatment.

Prerequisite: BIO 201 or Permission of Program Director.

### **RCA 161 - Cardiopulmonary Diagnostic I**

**1 Credit hour 15 Contact hours**

Examines the technical concerns of an arterial blood gas determination and EKG techniques and interpretation.

Prerequisite: BIO 201 or Permission of Program Director.

### **RCA 165 - Pharmacology-Cardiopulmonary Care**

**3 Credit hours 45 Contact hours**

Focuses on a study of the principles of pharmacology and the pharmacologic properties and application of drugs commonly employed in the treatment of cardiopulmonary disease.

Prerequisite: BIO 201 or Permission of Program Director.

### **RCA 230 - Critical Care I**

**2 Credit hours 37.5 Contact hours**

Focuses on the care of critically ill patients. Includes advanced pulmonary physiology and pathophysiology, assessment and monitoring of acute and chronic respiratory failure, mechanical ventilation, and emergency respiratory care. Incorporates a laboratory portion that enables the student to develop skills essential for the assessment and treatment of the critically ill.

Prerequisite: All first year RCA courses or Permission of Program Director.

### **RCA 232 - Advanced Monitoring**

**2 Credit hours 30 Contact hours**

Develop the necessary skills required of Respiratory Care professionals to include monitoring and assessment of the patient requiring intensive care using both non-invasive and invasive data. Topics include: introduction to hemodynamic values and interpretation of the results; characteristics and indications of both bronchoscopy and sleep disorders; and introduction to research.

Prerequisite: All first year RCA courses or Permission of Program Director.

### **RCA 251 - Critical Care II**

**3 Credit hours 60 Contact hours**

Focuses on selected topic areas in critical care. Includes both technical and management concerns in the intensive care setting.

Prerequisite: RCA 230 and RCA 252 or Permission of Program Director.

### **RCA 252 - Cardiopulmonary Diagnostic II**

**1 Credit hour 15 Contact hours**

Explores the procedures used in the diagnosis of pulmonary disease through pulmonary function testing.

Prerequisite: RCA 161 or Permission of Program Director.

### **RCA 253 - Perinatal/Pediatric Respiratory Care**

**3 Credit hours 45 Contact hours**

Focuses on the pathophysiology and technology that relates to the neonatal-pediatric patient.

Prerequisite: All first year RCA courses or Permission of Program Director.

**RCA 259 - Advanced Mechanical Ventilation**

3 Credit hours 45 Contact hours

Provide the student with the opportunity to thoroughly probe into the function of mechanical ventilators and how ventilators actually work. It is important for the student to adjust the way they think about ventilators and how to begin to master their operation.

Prerequisite: RCA 253 and RCA 251 or Permission of Program Director.

**RCA 281 - Internship II**

9 Credit hours 270 Contact hours

Focuses on the care and analysis of the critically ill patient. Rotations into specialty areas are carried out as the schedule permits.

Prerequisite: All first year RCA courses or Permission of Program Director.

**RCA 283 - Internship III**

9 Credit hours 270 Contact hours

Continues to address the care and analysis of the critically ill patient and specialty rotations. Attempts to more closely evaluate the student's ability to manifest critical judgments in solving clinical problems and understanding professional/departmental activities.

Prerequisite: RCA 281 or Permission of Program Director.

**RCA 289 - Capstone**

1 Credit hour 15 Contact hours

A demonstrated culmination of learning within a given program of study.

**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 of ENP 209 (grade C or higher).

**SCI - Science Courses****SCI 105 - Science in Society (GT-SC2)**

3 Credit hours 45 Contact hours

Examines issues relating to the way science affects society. Students will investigate issues in information technology, the environment, physics and astronomy, biology, medicine and the interaction of science with politics. The class will focus on gathering accurate scientific information and applying critical thinking skills and the scientific method to analyze how science plays both positive and negative roles in society. Emphasis will be on student research, inquiry and analysis of science related issues.

**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.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 or appropriate assessment scores and successful completion of MAT 120 (grade C or higher) or qualifying assessment scores (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 and refinement of fundamental energy and matter concepts. These systems and concepts will be explored in hands-on laboratory experiments.

Prerequisite: Successful completion of SCI 155 (grade C or higher) or permission of the Department Chair.

**SOC - Sociology Courses****SOC 101 - Introduction to Sociology I (GT-SS3)**

3 Credit hours 45 Contact hours

Examines the basic concepts, theories, and principles of sociology, as well as human cultures, social groups, and the social issues of age, gender, class, and race.

Prerequisite: Successful completion of CCR 092, CCR 093, 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 social institutions and organizations from the macro perspective. Emphasizes issues of social change, demography, social movements, and conflicts and trends within education, religion, family, political, and economic structures.

Prerequisite: Successful completion of CCR 092, CCR 093, 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

Develops an understanding of marriage, family, and kinship. Examines the family as an institution and describes how social, cultural, and personal factors influence family relations. The stability and diversity of the family are explored, along with current trends and some alternative lifestyles.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

**SOC 207 - Environmental Sociology (GT-SS3)**

3 Credit hours 45 Contact hours

Examination of humans and the environment from an ecological perspective. Focuses on industrial and economic growth versus sustainability, natural resources development and management, environmental values and social movements, and comparative perspectives on people's relationship to the environment. Review of the Green movement and other environmental movements and their impacts upon social dynamics, the environment, and the evolution of social movements.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

**SOC 215 - Contemporary Social Problems (GT-SS3)****3 Credit hours 45 Contact hours**

Explores current social issues that result in societal problems. Focuses on such issues as civil liberties, gender discrimination, substance abuse, crime, poverty, and social change.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 216 - Sociology of Gender (GT-SS3)**

**3 Credit hours 45 Contact hours**

Gives students the theoretical and factual background necessary to understand the phenomenon of gender stratification in American and other cultures.

Students will be exposed to a history of gender stratification in human societies, theoretical explanations for this and insights into the consequences of gender differentiation in our world today.

Prerequisite: Successful completion of CCR 092, CCR 093, 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 the variety of intergroup relations regarding race, nationality, ethnicity, gender, sexual orientation, and other diversity issues. Patterns of prejudice, discrimination and possible solutions to these issues will be addressed.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 220 - Sociology of Religion (GT-SS3)**

**3 Credit hours 45 Contact hours**

Provides an introduction to the sociology of religion, including a comparative and critical examination of world religions, by focusing on sociological interpretation and explanation of the role of religion in human culture. The interaction between society and religion is thus examined as are a wide variety of religious beliefs and practices.

Prerequisite: Successful completion of CCR 092, CCR 093, 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**

Examines the nature, identification, and explanation of deviant categories. Theories and philosophies as well as methods of treatment related to deviancy will also be considered. The course will study society's attempts to control, change, and institutionalize those acts, individuals, or groups that a population may deem unacceptable.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 237 - Sociology of Death and Dying (GT-SS3)**

**3 Credit hours 45 Contact hours**

Provides an opportunity to familiarize students and professionals with the needs and issues surrounding dying and death. This course will provide sociological, psychological, religious, historical and anthropological perspectives for interpreting contemporary American customs dealing with dying, death and bereavement. We will examine the professions associated with death and dying, such as hospice, funeral and crematory institutions, and medical care.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores.

### **SOC 275 - Special Topics in Sociology**

**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 CCR 092, CCR 093, 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 I, II and III 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.

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**

Includes discussions, workshops, and lectures designed to discover, analyze, and evaluate all aspects of the theatre experience: scripts, acting, directing, staging, history, criticism, and theory.

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 107 - Elements of Theatrical Craft and Design**

3 Credit hours 45 Contact hours

Explores the theory and practice of technical theatre craft and design. Through lecture, discussion, and class projects, students learn about evolving forms and styles of architecture, scenery, and decoration, properties, costume/make-up, lighting, and sound.

Prerequisite: Successful completion of CCR 092 (grade C or higher).

**THE 108 - Theater Script Analysis (GT-AH1)**

3 Credit hours 45 Contact hours

Introduces students to methods of reading and analyzing literature for the stage. In addition, students will apply staging and design concepts in visualizing and analyzing how a play looks, sounds, and feels when produced.

**THE 111 - Acting I**

3 Credit hours 45 Contact hours

Covers basic acting techniques and approaches, including scene study, improvisation, and script analysis. Includes practical application through classroom and showcase performances.

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 135 - Stage Makeup I**

3 Credit hours 45 Contact hours

Explores stage makeup design and application techniques including basic corrective, character, old age, animal, and fantasy applications.

**THE 140 - Stage Dialects**

1 Credit hour 15 Contact hours

Teaches students to develop skills in nine dialects and accents.

**THE 152 - Production Stage Management I**

3 Credit hours 60 Contact hours

Focuses on the basics of stage management, including making a stage manager's book, organizational methods and protocols of production, calling cues in production and personnel relationships and responsibilities.

Prerequisite: Successful completion of THE 131 (grade C or higher) or permission of instructor.

**THE 204 - Voice and Articulation**

2 Credit hours 30 Contact hours

Emphasizes vocal development including diction, enunciation, projection, dialects, and vocal interpretation of written materials. Students strive to eliminate regionalisms and tonal faults, e.g., nasality, stridency, sibilance, breathiness.

**THE 211 - Development of Theater Greek-Renaissance (GT-AH1)**

3 Credit hours 45 Contact hours

Surveys the history and evolution of drama from Ancient Greece to the Renaissance, emphasizing all aspects of the art from period values to analysis of dramatic literature and performance.

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 evolution of drama from the Renaissance to the present, emphasizing all aspects of the art from period values to the analysis of dramatic literature and performance.

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

Gives students the opportunity to learn and practice playwriting techniques, thereby improving creative writing skills. Elements of dramatic structure, dialogue, styles, and theatrical practices are emphasized.

**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



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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 225 - Sound Operation and Design**

2 Credit hours 45 Contact hours

Teaches the understanding and applied fundamental processes required to create a conceptual sound design for a stage play.

Prerequisite: Successful completion of CCR 092, CCR 093, or CCR 094 (grade C or higher) or equivalent assessment scores, or permission of instructor.

#### **THE 226 - Theatre Sound Operation and Design I**

3 Credit hours 45 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

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: Successful completion of THE 111, THE 112, and/or THE 132 (grade C or higher) or permission of instructor.

#### **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: Successful completion of THE 111, THE 112, and/or THE 231 (grade of C or higher) or permission of instructor.

#### **THE 246 - Rehearsal & Performance**

1 Credit hour 15 Contact hours

Gives the student actor practical experience in a real acting environment. Through the audition and rehearsal process the student's imagination and creative potential will be stimulated. Special attention will be given to characterization, stage movement, speech techniques, dramatic form and the rehearsal / production / performance process. The successful rehearsal and presentation of the current production to the public will be the focal point of their activities. Previous acting experience is helpful but not required.

#### **THE 247 - Rehearsal & Performance II**

2 Credit hours 30 Contact hours

Gives the student actor practical experience in a real acting environment. Through the audition and rehearsal process the student's imagination and creative potential will be stimulated. Special attention will be given to characterization, stage movement, speech techniques, dramatic form and the rehearsal / production / performance process. The successful rehearsal and presentation of the current production to the public will be the focal point of their activities. Previous acting experience is helpful but not required.

#### **THE 248 - Rehearsal & Performance III**

3 Credit hours 45 Contact hours

Gives the student actor practical experience in a real acting environment. Through the audition and rehearsal process the student's imagination and creative potential will be stimulated. Special attention will be given to characterization, stage movement, speech techniques, dramatic form and the rehearsal / production / performance process. The successful rehearsal and presentation of the current production to the public will be the focal point of their activities. Previous acting experience is helpful but not required.

#### **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 102 - The Business of Translation and Interpretation**

2 Credit hours 30 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: Enrollment in or completion of TRI 101 (grade C or higher) or Permission by the Department Chair.

#### **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 ENG 121 (grade C or higher) or enrollment in ENG 121 concurrency, and 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

Examines the nature and function of women in society from an interdisciplinary perspective, focusing on the similarity and diversity of women's experience over time and across cultures. Examines topics such as sex roles, socialization, political, and philosophical perspectives on women's issues, and women's accomplishments in history, art, literature, science, health issues, and the family. Students will gain awareness of the limitations of traditional scholarship on women, and gain a means of practical application of the new scholarship on women's roles and nature.

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

**Betsy Oudenhoven**, President

*B.S., St. Lawrence University; M.A., University of Colorado - Boulder; Ph.D., Loyola University Chicago*

**Tami Morrissey**, Executive Assistant to the President

**Tricia Johnson**, Vice President of Academic Affairs

*B.A., M.Ed.; University of Central Oklahoma; Ed.D., University of Denver*

**Elena Sandoval-Lucero**, Vice President of Student Affairs

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**George Noe**, Vice President of Administrative Services

*B.A., St. Mary's University*

**Christopher Ward**, Vice President of Institutional Effectiveness

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*B.S., Colorado State University*

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## Academic Affairs

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**Michael Pfaff**, Math Lab Coordinator

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**Kevin Dunbar**, Academic Learning Center Specialist

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### Academic Affairs Support Services

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**Vacant**, FLAC Data Specialist

### Aurora Language Center - English as a Second Language

**Brannon Saffron**, Director of the Community ESL Program

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**Jacklyn Zvejnieks**, Assistant Coordinator of the Community ESL Program

*B.A., University of New Mexico; M.A., University of Sussex, UK*

### Center for Workforce Development

**Anne Petti**, Director, Center for Workforce Development

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**Rebecca Pickett**, Program Assistant, Center for Workforce Development

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**Michelle Samuel**, Library Services Coordinator

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### School of Liberal Arts

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**Vacant**, Instructional Designer/Technologist

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**Kacey Turner**, Administrative Assistant III

## Arts & Communication and Performing Arts

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**Vicki Graham**, Director, Communication

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**Stacey D'Angelo**, Director, Theatre

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**Adrienne Kruger**, Academic Program Support Specialist, Arts, Communication, Education, Early Childhood Education

*B.F.A., Southwest University of Visual Arts*

## Behavioral Sciences

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## Allied Health - EMS, Fire Science, and Health Sciences

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**Drew Baske**, Assistant Director

*Certified Emergency Medical Technician Paramedic; Career and Technical Education Certification*

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## Colorado Film School

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**Kevin Butcher**, Staff Support / Admissions Support

**Aaron Koehler**, Equipment Room Manager

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**Jennifer D. Scott**, Student Success Coordinator

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## Diesel Power Mechanics

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*Journeyman*

**Andrew Singer**, Faculty

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## Campus Security and Safety

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**David (Russ) Montoya**, Pipe Mechanical Trades II

**Jose Alegria**, Structural Trades I

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**David Tracy**, Structural Trades I

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**Chanh Nguyen**, CentreTech Custodian I

**Carlos Martinez**, CentreTech Custodian I

**Elda Bunyan**, CentreTech Custodian I

**Coung Diep**, CentreTech Custodian I

**Vu Nguyen**, CentreTech Custodian I

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**Mike O'Toole**, Grounds I

**Jorge Rivera**, Grounds I

**Hildon Jones**, Night Shift Manager

**Amada Duron**, Lowry Custodian I

**Askale Haile**, Lowry Custodian I

**Chezarae Grossman**, Lowry Custodian I

**Christopher Ford**, Lowry Custodian I

**Bel Subba**, Lowry Custodian I

**Mike Wilson**, Lowry Custodian II

**James Thompson**, Lowry Custodian I

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## Information Technologies

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**Eduardo Peralta**, Network Infrastructure Administrator

**Mike Willeford**, IT Helpdesk

**Kevin Andrews**, Computer Systems Technician

**Glen Murphy**, Computer Systems Technician

**Jesus Prado-Fuentes**, Computer Systems Technician

**Luke Stopani**, Media Services Administrator

## CCA Foundation

### CCA Foundation

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### Institutional Research

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**Hyekyung Lee**, Assistant Director of Institutional Research

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## Student Affairs

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### Academic Advising at CentreTech

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### Admissions, Registration and Records

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**Kathleen Martin**, Admissions Specialist

**Vacant**, Graduation Processor

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**Vacant**, Switchboard Operator

### Career Services

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**Robert Burnett**, Career Advisor

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**Jason Bynum**, Career Advisor

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### Center for Recruitment and Orientation

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**Patrice Lewis**, College Recruiter

*A.A., Community College of Aurora Anticipated Summer 2018*

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**Kenya Trejo**, CentreTech Welcome Center Coordinator

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**Katrina Venta**, College Recruiter

*A.A., Community College of Aurora*

### Counseling Services

**Katie McLaughlin**, Counselor from Aurora Mental Health Center

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### Disability and Equity

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## Intervention and Conduct

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**Svetlana Ehrhart**, Pathways Advisor

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## Military & Veteran Services

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## Student Life

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## Student Success Center

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## Testing Center

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**Elizabeth Stover**, Assessment Testing Specialist

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**Vacant**, Client Testing Specialist

## Regular Faculty

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*B.S., Brigham Young University; M.Ed., Utah State University*

**Victor Andersen**, Astronomy

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**Rachel Blue**, English

*B.A., M.F.A., Old Dominion University*

**Greg Atencio**, Diesel Power Mechanics

*Journeyman*

**Bitu Behforooz**, Psychology

*B.S., University of Pittsburgh; M.S., Ph.D., University at Albany-Suny*

**Galina Boulgakova**, Film Video Media

*B.A., M.F.A., Moscow Art Theatre; V.I. Nemirovich-Danchenko Studio-School of the Moscow Art Theater*

**JoAnn Burkhardt**, Computer and Digital Technology

*B.S., M.B.A., M.S., Fort Hays State University*



**Geoffrey Chadwick**, Film Video Media

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**Eric Cline**, Mathematics

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**Tanya Cook**, Sociology

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### Emeritus

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**Larry D. Carter**, President, Community College of Aurora, 1986-2000 (Retired 2000)



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**Nai-Kwang Chang**, President, Community College of Aurora, 1983-1986(Retired 1986)

**Nai-Kwang Chang**, Director, Aurora Education Center, 1979-1983



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