Catalog

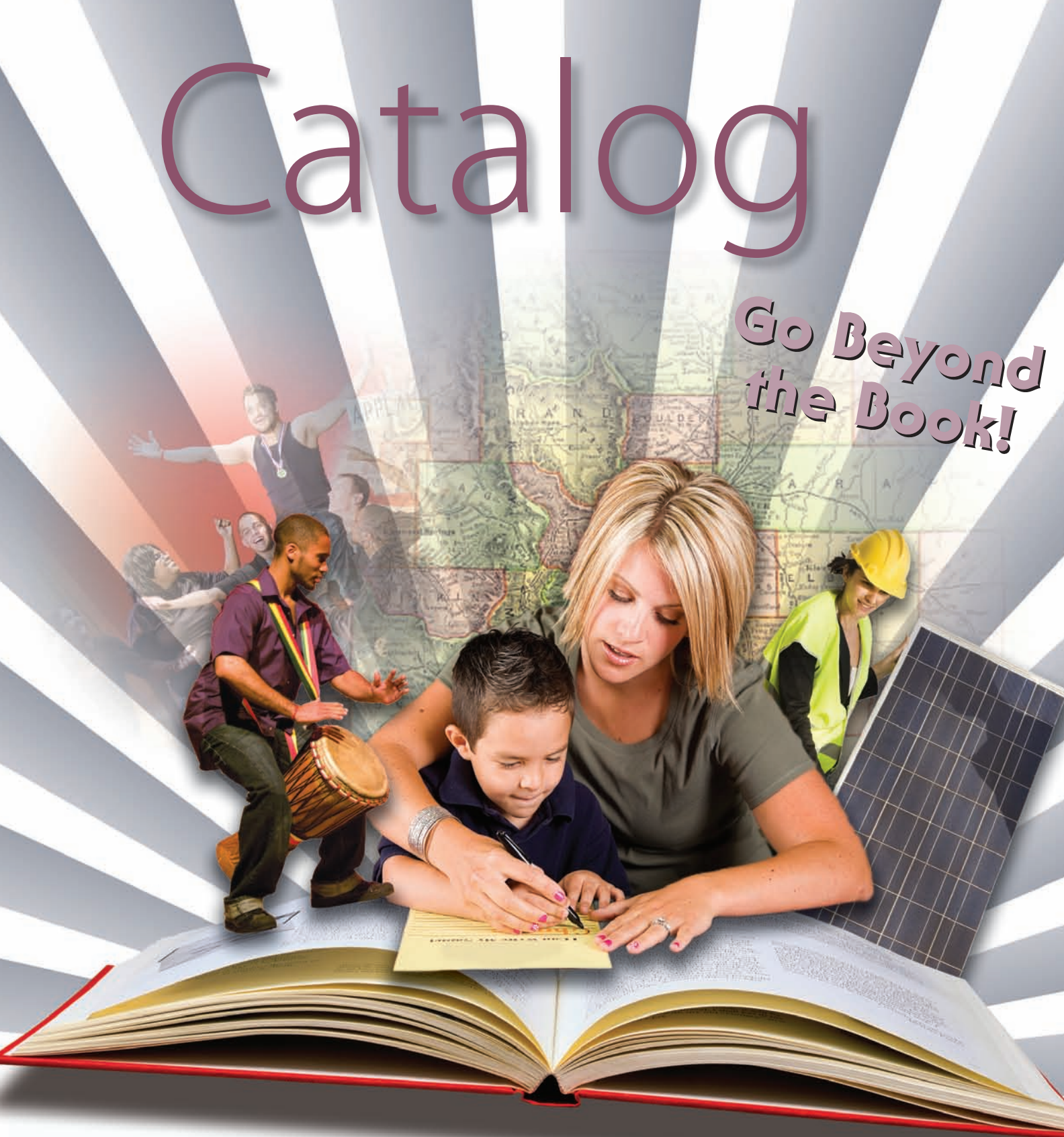## Go Beyond the Book!

2010–2011

Community College of Aurora
ASPIRE | EXPLORE | ACHIEVE

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)

Para informatión en Español llame al 303-340-7552

www.CCAurora.edu

Community College of Aurora
ASPIRE | EXPLORE | ACHIEVE

Inside this catalog

2010 Spring Semester

Registration begins • November 9, 2009

Classes begin • January 19, 2010

Spring break (no classes) • March 29-April 2, 2010

Classes end • May 10, 2010

2010 Summer Semester

Registration begins • April 5, 2010

Full Session (10 weeks) • June 1-August 9, 2010

Session 1 (5 Weeks) • June 1-July 3, 2010

Independence Day (college closed) Observed • July 5, 2010

Session II (5 weeks) • July 6-August 9, 2010

2010 Fall Semester

Registration begins • April 26, 2010

Classes begin • August 23, 2010

Labor Day (college closed) • September 6, 2010

Faculty In-Service • November 23, 2010

Thanksgiving (no classes) • November 24-28, 2010

Classes end • December 12, 2010

Academic Calendar
2010-2011

Academic Calendar
2010-2011

2011 Spring Semester

Registration begins • November 8, 2010

Classes begin • January 18, 2011

Spring Break (no classes) • March 28-April 3, 2011

Classes end • May 9, 2011

2011 Summer Semester

Registration begins • April 4, 2011

Classes begin • May 31, 2011

Independence Day (college closed) • July 4, 2011

Classes End • August 8, 2011

2011 Fall Semester

Registration begins • April 25, 2011

Classes begin • August 22, 2011

Labor Day (college closed) • September 5, 2011

Faculty In-Service • November 22, 2011

Thanksgiving (no classes) • November 23-27, 2011

Classes end • December 11, 2011

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

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, technology programs and community services.

CentreTech Campus

303-360-4700 • 303-360-4727 (Security)

16000 E. CentreTech Parkway, Aurora, CO 80011

Academic Services

Accessibility Services/Computer Access Center

Administration • Assessment Testing • Career Services

Cashier's Office • Fiscal Affairs • Community Services

Computer Labs • Early Childhood Education Resource Center

English, Math and Reading Tutoring

Enrollment Services

(Admissions and Records, Advising, Assessment, International and Veteran Affairs)

Student IDs • Financial Aid • General Classrooms

General Information • Human Resources

Instructional Resource Center • Larry D. Carter Theater

Learning Resource Center • Library Services • Student Centre

Student Life Office • Testing Center • Arts and Humanities Department

Communication and English Department

Early Childhood Education and Teacher Preparation Department

English as a Second Language (ESL) Department

Math Department • Social Sciences Department

Lowry Campus

303-340-7093 • 303-419-5557 (Security)

710 Alton Way, Denver, CO 80230, Quad West, Building 903

One-Stop Student Services (Admissions, Advising, Career Services,
Business/Cashier's Office, Financial Aid, Registration and Student IDs)

Computer Labs/Computer Access Center • Business and Computer Department

Science Department • General Classrooms

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

Aurora Language Center – Community ESL

Center for Art, Media and Technology

General Classrooms • Center for Workforce Development

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

Center for Simulation • Biotechnology

Public Service Department

(Criminal Justice, Homeland Security, Police Academy, Mediation, Paralegal)

Emergency Medical Services Department and EMS Simulation Studios

Biotechnology • Business Simulation Studios

General Classrooms

1060 Alton Way, Denver, CO 80230, Building 840

Diesel Power Mechanics

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

Colorado Film School (Film/Video Technology)

College Facilities
and Locations

Welcome to the Community College of Aurora

The Community College of Aurora takes education to a whole new level, combining solid theory with practical training. With this approach, CCA equips students with relevant learning for life that goes beyond the book. CCA students graduate from the college's cutting-edge programs ready to move to the next step in their lives, whether they transfer to a four-year institution or begin a new career.

CCA provides exciting new certificate choices in response to current workforce demands. We help students adapt to a bright new future by offering real life learning certificate programs in health care, sustainable energy technology, essential business skills, multimedia and web design, translation and interpretation, advanced computer technology, and more. Students obtain essential skills that prepare them to achieve their career goals, all at a great value.

CCA faculty and staff are committed to creating an environment that is open, caring, and honest.

Faculty are experienced and keep up-to-date on technological advancements and trends in their fields so that CCA curriculum is relevant and of the highest quality. CCA is a community where faculty take extra time to help dedicated students achieve success. Data show that when our students transfer to four-year schools, they earn higher grades than students who started college at those four-year institutions.

We specialize in offering classes at convenient times and locations to meet students' demanding schedules. CCA has hundreds of online, hybrid, and evening/weekend classes, as well as "open entry" classes that start every week. Our eXpressEd 10-week certificate programs are designed to retool employee skills or launch new careers quickly. Students may choose from more than 40 degrees and certificates in transfer and occupational education, and CCA's core classes are guaranteed to transfer to Colorado public colleges and universities.

Our friendly and courteous staff are known for their outstanding customer service. Their efforts ease the stress that many new students feel when they start college straight out of high school or after a prolonged absence. When visiting with CCA advisors, students discover the most effective path for achieving their goals. Enrollment and registration staff help students navigate the computer system to get registered for classes. Financial aid counselors help students pursue possible scholarships and loans to help pay for their education. Friendly greeters show students where classrooms are at the beginning of each semester. Small class sizes, labs, and free tutoring support and enhance student learning. CCA's Career Center services guide and prepare students for successful employment.

CCA is a unique global community with more than 100 countries represented in our student population, providing a rich educational experience and preparing students to compete in a global job market. Our community of students draws on the wealth of experience of fellow students who come from a variety of backgrounds and ages.

Our Mission

The Community College of Aurora provides lifelong educational opportunities, prepares the current and future workforce, and promotes excellence in teaching, learning and service to our diverse community. In accordance with its assigned mission as a comprehensive community college, the Community College of Aurora offers quality programs and services in the following categories:

Academic Transfer

The Associate of Arts, Associate of Science, and the articulated Associate of General Studies degree programs are transferable to most Colorado public and private 4-year baccalaureate degree-granting institutions.

Technical Education

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. The college also offers on-site workforce development and customized training for business and industry.

General Studies

The Associate of General Studies degrees provide education that strengthens students' academic backgrounds and prepares them to pursue their educational and career goals.

Community Needs

Student Support Services

The college assists students in selecting, entering, continuing, and completing their course of study through academic advising and student support services.

Our Values

Respect, Collaboration, Quality, Access, Diversity and Inclusion

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 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

Intra/interpersonal responsibility • Technology

Quantitative reasoning • Aesthetic perception

Welcome to the
Community College
of Aurora

Welcome to the Community College of Aurora

CCA Offers Conveniently Structured Classes

Hybrid Classes

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.

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. Online students should check the Online Class Information Directory on the Internet at http://www.ccaurora.edu/infosheets. These course information sheets provide class requirements, class start dates, and any particular computer hardware/software requirements for each course. Students must have reliable Internet access for all online courses. To login to courses using Desire2Learn, students will use the same S# and 6-digit PIN used to log in to the student registration system. Contact Enrollment Services for additional information at OnlineAdvisor@ccaurora.edu. Students with questions concerning the skills required to complete an online class should visit http://www.ccaurora.edu/webtest for an overview of requisite Internet skills. Find these classes In the Course listings section for more information.

Self-Paced Courses

Self-paced courses start at the beginning of the semester and must be completed in one semester, allowing the student to progress at his/her own pace during the semester. Self-paced courses may require due dates on certain assignments, depending on the course and instructor. The courses are Internet based; however, instructors are available to meet with individual students at specified times. These courses are listed in the All CCA Courses section.

Open-Entry

Open entry classes are intended for students who want to start at any time in the semester and go at their own pace. Students can fast track the class and sign up for the next class upon completion, or they can take the full semester to finish.

Weekend College

Weekend College 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 in the Weekend College 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.

Admissions Policy

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 Enrollment Services offices or Lowry One-Stop. This form must be approved by the Director of Admissions or Advising 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 appropriate assessment test (Accuplacer) 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.

Students are exempt from assessment if:

- They have an Associate of Arts or Science Degree or higher.

- They have appropriate, transcripted, college-level English, math, or developmental courses.

- They are non-degree-seeking and are not taking courses with prerequisites (does not apply to students under the age of 20).

- They have documented ACT (English of 18 for ENG 121, Reading of 17 for college-level reading, and Math of 19 for MAT 120 or 23 for MAT 121) or SAT scores (430 Verbal for college-level reading, 440 Verbal for ENG 121, and 460 Math for MAT 120 or 513 for MAT 121).

- They are seeking only a Real Estate certificate or a Certificate of Recognition (does not apply to students under the age of 20).

Admission to the college does not assure 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 www.cccs.edu/SBCCOE/Policies/BP/PDF/BP4-10.pdf. Students who enroll in an occupational program, who are veterans, 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 Enrollment Services 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 Learning Resource Center, 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.

Admissions, Registration, and Records

Admissions, Registration, and Records

Acceptance Letters

Acceptance letters are sent via regular U.S. within one week of application. If a student does not receive a letter or has questions regarding the acceptance letter, please contact the Admissions office, CentreTech Campus, Administration Building, A102, 303-361-7363.

Admissions Procedures

Students seeking admission to the Community College of Aurora should submit an application for admission online at www.CCAurora.edu and click on Apply & Register link. Staff personnel are available to assist students in completing the application on site in the Enrollment Services office, CentreTech Campus, Administration Building, Room A102 and at the Lowry Campus, West Quad, Room 106.

New Students

Individuals who have never attended an institution of higher education must complete the new student application for admission. New students pursuing a degree are required to take assessment tests and meet with advisors to register for their first semester. 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 transfer application for admission. 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.

Re-Admit Students

Former students returning to the Community College of Aurora after an absence of twelve consecutive months must complete the Re-admit Application form online 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
2. Complete a new student application for concurrent enrollment.
3. Complete the CCA assessment test or provide ACT/SAT scores that meet the minimum requirement.
4. Register for classes at CCA by providing a district approval letter.
5. 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 303-360-4705.

High School Students not Participating in the Postsecondary Enrollment Options Act

Students need to do the following:

1. Complete a new student application for admission.
2. Sign up for the College Opportunity Fund (COF).
3. Complete the CCA assessment test or provide ACT/SAT scores that meet the minimum requirement.
4. Contact a CCA academic advisor.
5. Register for classes.
6. Pay for tuition, student fees, books, and supplies.
7. Students 16 and under are required to submit a Request for Waiver of Admission Requirements form (page 9).

For additional information, call 303-360-4700.

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 Enrollment Services office, CentreTech Campus, Administration Building, Room A106-F, 303-340-7508. For information regarding I-20 Review Session (including

dates and times), go to www.CCAurora.edu/students/international-students or call 303-340-7508. International students are required to submit the following documents:

1. The international student application for admission, available online.
2. Submit all prior academic credentials (high school or equivalent).
3. A statement of financial resources that 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. Demonstrate/Document English Proficiency Level using one of the following options
   - All students must take the Accuplacer at CCA in order to take College level courses.
   - Students who are interested in taking only English language courses will take the LOEP (Level of English Proficiency) test at CCA to determine their current level of English ability. After completing the English language program, students may advance to college level courses.
   - If the student has previously taken and passed a College-level course at a U.S. college, he or she may submit an official transcript showing completion of the course.
5. Medical insurance for one year must be purchased at time of registration, unless proof of their own medical and accident coverage in the United States can be provided.
6. Payment of a $75 non-refundable application charge.
7. Full tuition payment is due one week before classes begin each semester

Form I-20 will not be issued to an international student until all of the above documents are on file in Enrollment Services 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 will not issue an I-20 after the deadlines in the chart below:

	First-Time or Reinstatement Applicants	Current International Students Seeking Transfer
Fall	May 15	July 31
Spring	September 15	November 30
Summer	February 15	April 30

International students must meet with the international student advisor in the Enrollment Services office, CentreTech Campus, Administration Building, Room A106F prior to registering for courses. International students must also comply with the following requirements:

1. Immigration requirements with respect to the number of credit hours taken at their home campus. 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. 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.
3. International students must pay full tuition by the end of the first week of class.
4. Provisions of the Academic Standards of Progress Policy must be followed.

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Admissions, Registration, and Records

5. Off-campus work is not allowed without prior permission of the international student advisor and ICE.

6. The international student advisor must be notified of any address change (both local and abroad) within 10 days of change.

Veterans Affairs

Veterans can use their educational benefits at CCA. The veteran student advisor will complete the veteran certification. All questions and forms should be submitted to the Veterans Affairs office, CentreTech Campus, Administration Building, Room A106, 303-360-4768. Additional information is available online at www.CCAurora.edu/students/military-veterans.

It is important for students who are veterans to select subjects that will apply to their specific degrees. These are the courses that the college can certify to the Department of Veterans Affairs. Students using VA benefits must submit official transcripts of all previous post-secondary education and training no later than 30 days after the beginning of the first semester of attendance.

Veterans are responsible to ensure that satisfactory arrangements have been made for payment of their tuition to the college

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 any special considerations must be approved by the Vice President of Instruction.

Veteran Academic Standards of Progress

Academic Standards of Progress, as described below, apply to all CCA students, including veterans. If veteran students stop attending classes, but do not officially withdraw, they will receive a grade of "F" in the course. As long as veterans are on academic probation, they continue to receive VA benefits. If veterans are suspended from school due to lack of

progress, VA benefits will be terminated for the length of the suspension.

Registration

CCA publishes a schedule of course offerings each semester and makes it available online. The schedule indicates procedures, registration dates, and tuition fees. Students may obtain a schedule of classes and obtain staff assistance in the Enrollment Services office, CentreTech Campus, Administration Building, Room A102, and in the Student Services office, Lowry Campus, Building 903, Room 106. All students will register online using a student ID number and PIN. Instructions are available online at www.CCAurora.edu/students/enrollment/registration/ and in the schedule of classes.

Late Registration

After classes start, students may register through the first week of class for full-term classes. Students may enroll for short-term, classroom-based classes only through the first class meeting. After the open enrollment period, registration is discouraged and requires departmental approval. Students are encouraged to register well before the start of classes, as indicated in the semester class schedule. For further information, call 303-360-4700.

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.

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 Colorado Opportunity Fund (COF) stipend and will

be charged at the non-stipend rate. The per-credit-hour amount is set annually by the General Assembly. Students may apply for COF and receive additional information via the Colorado Commission on Higher Education (CCHE) and online at highered.colorado.gov/Finance/COF/default.html.

Financial Obligations of Students

A financial obligation to the College occurs when you register for classes. Failure to attend class or notifying Instructors of intent to drop 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. Contact the Fiscal Affairs Department for more information.

Residency Classification for Tuition Purposes

At the time of application for admission, students are classified for tuition purposes as "in-state residents" or "out-of-state residents," according to provisions of Colorado law.

To qualify for in-state tuition, students (or their parents or legal guardians, if they are under 23 years of age and not emancipated) must have been domiciled in Colorado for at least one year prior to the first day of the semester for which they seek residency. Domicile for tuition purposes is determined by two factors: 1) ability to show a permanent place of

residence in Colorado, and 2) ability to demonstrate intent to remain in Colorado. Students prove their intent by providing documents showing 12 months of domicile in Colorado:

1. Colorado income tax returns
2. Evidence of permanent Colorado employment status
3. A Colorado drivers license or vehicle registration
4. Evidence of Colorado voter registration

The Enrollment Services office requires a minimum of two proofs of domicile, but depending on circumstances, CCA may request additional information. If students have been classified as non-resident and feel this is in error because of incorrect information provided on the initial application, a correction form must be submitted by the first day of class. If it is determined that the correction form and any supporting documentation is insufficient to prove residency, the student can petition for in-state tuition. This petition must be submitted within 30 days.

Verification of Lawful Presence (HB1023)

C.R.S. §24-76.5-101, et seq. requires that the Colorado Commission of Higher Education (CCHE) and institutions of higher education, including CCA, verify the lawful presence of all applicants for public postsecondary education benefits. Applicants who fail to meet verification requirements may be subject to non-resident tuition and removal of COF funds and other state-funded aid.

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. Participating states include Alaska, Arizona, California, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming. For more information, contact the Enrollment Services office, CentreTech Campus,

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Administration Building, Room A102, 303-360-4700 or go online at http://wue.wiche.edu.

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. For information, call 303-361-7363.

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. 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 regu-larly 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, except for extenuating circumstances due to a documented emergency (death of a family member, illness, injury, etc.).

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 Enrollment Services office, CentreTech Campus, Administration Building, Room A102, or in the Student Service office, Lowry Campus, West Quad, Room 106.

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 A207.

Schedule Changes

Students may change their schedules (add/drop) after they have registered. Here 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 first week of class for full-term classes. See Enrollment Services office, CentreTech Campus, Administration Building, Room A102,

or the Student Services office, Lowry Campus, West Quad, Room 106 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 Enrollment Services office, CentreTech Campus, Administration Building, Room A102, or in the Student Services office, Lowry Campus, West Quad, Room 106.

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 Enrollment Services office, CentreTech Campus, Administration Building, Room A102, and in the Student Services office, Lowry Campus, West Quad, Room 106, or online at www.CCAurora.edu/other/login.shtml. 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 an advisor in the Enrollment Services office, CentreTech Campus, Administration Building, Room A102, or in the Student Services office, Lowry Campus, West Quad, Room 106.

Student Records

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.

ConnectED: Campus Alert System

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

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.

Family Education Rights and Privacy Act of 1974 (FERPA): Public Information and the Security of Student Records

The Enrollment Services office 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 Enrollment Services office. If students feel the records contain errors, they may appeal in writing to the Registrar.

CCCS and CCA Rules for Student Directory Information 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.

FERPA Information General Guidelines

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 dis-

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close 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 in the college's directory:

- student name
- year of birth
- major field of study
- participation in officially recognized activities and sports
- dates of attendance (semester, not individual class dates)
- degrees, honors, and awards received
- most recent educational institution attended
- college assigned e-mail address.

Students 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 Enrollment Services 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 Veterans Administration. 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 at the Enrollment Services office, CentreTech Campus, Administrator Building, Room A102, at the Lowry Campus, West Quad, Room 106 or online at www.CCAurora.edu/students/student-right-know/ferpa.

Transcript Requests

The Records office, located at the CentreTech Campus, Administration Building, Room A102, maintains student records and issues transcripts. Students may request a copy of their Community College of Aurora transcript be sent to another college or to an employer by requesting a transcript through online services or by completing a request for transcript form available at the Enrollment Services office, CentreTech Campus, Administration Building, Room A102 or at the Student Services office, Lowry Campus, West Quad, Room 106. The college requires two to three days to process requests and will consider faster

processing only if staffing levels are appropriate to expedite the request and the student has expressed a valid need for faster processing. Students will be charged for expedited services.

Transfer Credit Evaluations

Students must be enrolled at CCA in order to have their credits evaluated. An official transcript must be mailed directly to CCA. 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. CCA may choose to transfer "D" grades on a case-by-case basis, determined by the student's chosen program and whether a "D" grade may be used to meet degree or certificate requirements.

Written confirmation of the credit awarded will be sent to each student for whom a credit evaluation is completed. Students can also check the status of their transfer credits by viewing their unofficial transcripts online at www.CCAurora.edu/ and accessing their MyCCA account. It is the responsibility of the student to provide all required documents. Documents become the property of the college and will not be released to the student or transferred to other institutions.

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) located in the Financial Aid office, CentreTech Campus, Administration Building, Room A207 or online at 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,click on the MyCCA link. For more information on financial aid programs, access www.CCAurora.edu/students/paying-college/financial-aid . This includes:

- Colorado Leveraging Educational Assistance Partnership (CLEAP)
- Colorado Student Grant (CSG)
- Colorado Work Study (CWS)
- Direct Loan (DL)
- Federal Pell Grant
- Federal Plus Loan
- Federal Student Loan Program (FAFSA)
- 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 A207, in the Student Services office, Lowry Campus, West Quad, Room 106, or online at www.CCAurora.edu/students/paying-college/scholarships.

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 graduation evaluator to review their records and ensure that they register for the appropriate courses in their final semester. Application deadlines are as shown below:

Planning to graduate at the end of:	Application Deadline:
Spring	December 1
Summer	April 1
Fall	July 1

Graduation application forms are available in the Enrollment Services office, CentreTech Campus, Administration Building, Room A102, in the Student Services office, Lowry Campus, West Quad, Room 106, and online at www.CCAurora.edu/, click on MyCCA. Applications received after the deadline may not be evaluated prior to the start of one's final semester.

Admissions, Registration, and Records

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:

Summer Semester 2010	April 1, 2010
Fall Semester 2010	May 1, 2010
Spring Semester 2011	November 1, 2010
Summer 2011	April 1, 2011
Fall 2011	May 1, 2011

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 pass an Ability to Benefit test, with specified test scores.
- Have a valid Social Security number.
- Not be in default on a federal student loan or owe a repayment on a federal grant.
- Be registered with 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 EFC (Estimated Family Contribution), 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.

One 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. Shortly 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 Stafford and/or PLUS Loans, Federal Pell Grant, Federal SEOG and CLEAP. 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 payment's mid-point. 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 A207.

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-determined 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.

Senior Citizens and State Employee Tuition Grants

Senior citizens and/or state employees 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. All classified State of Colorado employees qualify for the State Employee Tuition grant. 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 from the Financial Aid office, CentreTech Campus, Administration Building, Room A207 and online at www.CCAurora.edu/students/paying-college/financial-aid.

Student Life

Student fees help to fund free activities and events and to provide opportunities for student leadership. Sponsored organizations include: Sports clubs, academic clubs, cultural clubs, and special interest clubs. More information about activities, events, clubs and organizations is located in the Student Life office, CentreTech Campus, Student Centre Building, Room S101, 303-360-4726 or online at www.CCAurora.edu/about-cca/campus-life.

Orientation

Orientation is a free, non-credit course, AAA 075, Special Topics-Student Orientation. The course introduces students to the Community College of Aurora and the services the college provides to assist students with their educational goals. Information and online registration for new student orientation is available at www.CCAurora.edu/students/getting-started/orientation. For additional information, contact the Student Life office, CentreTech Campus, Student Centre Building, Room S101, 303-360-4726.

Student Services and Activities

Student Services and Activities

Student Government Association

The Student Government Association (SGA), funded by student fees, provides a means of organized expression in college affairs, activities, and policies. SGA coordinates and regulates student activities and funds in the interest of their peers. It presents a forum for discussion among students, administration, faculty, and staff and works with new and existing organizations to arrange and publicize campus events. For more information on SGA events, discussions, and planning, contact the Student Life office, CentreTech Campus, Student Centre Building, Room S101-B, 303-360-4726.

Student Health Insurance

Information about health insurance for students is available at the Enrollment Services office, CentreTech Campus, Administration Building, Room A102 and at the Student Services office, Lowry Campus, West Quad, Room 106.

Student ID Cards

Student ID cards are valid for fall, spring, and summer of the academic year and are issued in the Enrollment Services office, CentreTech Campus, Administration Building, Room A102 and in the Student Services office, Lowry Campus, West Quad, Room 106, during normal business hours. Obtaining a student ID card is optional but is required at the Lowry Computer Lab and the Learning Resource Center. There is no charge for the student ID card.

Advising

Students can meet with an advisor on a walk-in basis during business hours. Additional information is available at the Enrollment Services office, CentreTech Campus, Administration Building, Room A102, 303-360-4797, at the Student Services office, Lowry Campus, West Quad, Room 106, 303-340-7093, or online at www.CCAurora.edu/students/getting-started/advising.

New Student Advising

New, degree- or certificate-seeking students are required to meet with an academic advisor after assessment and prior to registration to discuss goals and program requirements. First-time college students are strongly encouraged to enroll in AAA 101, The Student Experience, a one-credit hour hybrid course (combination in-class and online). The course includes campus resources and procedures, academic and career goals, basic study skills and lifestyle issues balanced with academic commitments.

Continuing Student Advising

It is important for all continuing students to maintain contact with an advisor as they progress through their educational programs. Financial aid students, F-1, and M-1 students must meet with an advisor every semester prior to registration.

Financial Aid Student Advising

All students receiving financial aid should contact an 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.

Non-Degree Seeking Students

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

On-line Advising

Students can email the online advisor at OnlineAdvisor@CCAurora.edu using their college assigned e-mail account. Replies are provided by the next business day or before.

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 academic advisor when planning a transferable program of study.

Transfer information is available on the web, in the Enrollment Services office, CentreTech Campus, Administration

Building, Room A102, and in the Student Services office, Lowry Campus, West Quad, Room 106, or online at www. CCAurora.edu/programs-classes/transfer-options.

CCA hosts a transfer fair during both the spring and fall semesters. Other colleges and universities come on campus to answer questions our students may have about their programs or admissions requirements. Students should attend one of these fairs to find out about their options at various colleges and universities.

Academic Resources

Learning Resource Center (LRC)

The Learning Resource Center provides students instructional support activities which enhance their educational experiences at CCA. Services include Accessibility Services for students with a documented disability, practice tests, career planning software, and testing. The center has a computer lab with 35 computers for word processing and accessing the Internet. These computers are available to students at no charge throughout each semester.

In the LRC's Instructional Resource Center (the IRC), students can access the Aurora Central Library, reference materials, and audiovisual materials. In the LRC's Testing Center, students can take assessment placement tests, make up tests for classes, and take tests for online courses.

Information about tutoring is also available in the LRC, located in the Student Services office, CentreTech Campus, Student Centre Building, Room S202, in the Student Services office, Lowry Campus, West Quad, Room 106.

Assessment/Course Placement

The college assists students with course and educational program decisions through assessment and advising. Native English speakers are tested to determine their current academic skills in reading, mathematics, and English. Non-native English speakers are tested to determine their level of English language proficiency.

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 90 minutes taking the assessment. Information concerning pre-assessment workshops, study guides, and video tutorials are available online at www.CCAurora.edu/students/academic-support/testing/assessment-testing or call 303-360-4736.

Testing Center

The Testing Center proctors tests for the online courses, outside exams, classroom make-up, CLEP, DSST, pre-GED, and a variety of other tests. The General Education Development (GED) pre-test is offered to provide information indicating readiness for the official GED examination. There is a $10.00 charge for the pre-test.

CLEP is the College-Level Examination Program that helps people demonstrate their college-level knowledge and earn college credit. DSST is the Dantes Subject Standardized Test that allows students to get credit for life experiences and learning outside the conventional classroom setting.

Students enrolled in online classes may take exams in the Learning Resource Center. Students should refer to the course information sheets for details. The Testing Center is in the Learning Resource Center, CentreTech Campus, Student Centre Building, Room S202, 303-340-7542.

Early Alert Program

In order to ensure student success, the faculty at the Community College of Aurora may participate in the Early Alert Program. The Early Alert Program is designed to identify students who are having academic difficulty. Students are referred to the Advising Office by Faculty. An Academic Advisor will then attempt to address the student's needs, thereby

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increasing the likelihood of their success. The primary goal of the Early Alert Program is to identify students that are having difficulty with enough time to avoid a low mid-term grade. Generally, identification by the fourth week of the semester is best. The program is not designed to penalize students, but rather to address academic problems or difficulties early on in the semester so that a student can successfully complete the course.

Tutoring

CCA provides a variety of tutoring and other academic support programs. Assistance in accounting, math, writing skills, English as a Second Language (ESL), and Microsoft Windows Office applications is offered in the Tutoring Lab, CentreTech Campus, Classroom Building, Room C109. Math, accounting, and writing skills coaching is also offered in the Tutoring Lab, Lowry Campus, Building 901, Room 206. Tutoring for Microsoft Windows Office applications is available in the Computer Lab, Lowry Campus, West Quad, Room 107. More information is available at 303-340-7536 or online at www.CCAurora.edu/students/academic-support/tutoring-services.

Resources for Students with Disabilities

The Accessibility Services Office (ASO) operates under the mandate of Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA), amended in 2008, which prohibit discrimination on the basis of handicap against any "otherwise qualified individual." Individuals seeking accommodations must give reasonable notice and provide documentation to support their request. Reasonable accommodations will be made on a case-by-case basis in order to ensure educational accessibility. Be aware that high school and college have different expectations and requirements and different laws regarding accommodations.

For more information, go to www.CCAurora.edu/students/academic/accessibility/. The Accessibility Services office is located in the Learning Resource Center, CentreTech Campus, Student Centre Building, Room S202E, 303-361-7395 V/TDD/VP. Fax: 303-340-7551. Students may contact the Accessibility Coordinator directly via email at Reniece.Jones@CCAurora.edu.

Additional Resource

Contact the Rocky Mountain Disability and Business Technical Assistance Center,1-800-949-4232, or go online at www.ada-infonet.org.

College Library

By special contractual agreement, the Aurora Public Library (APL) maintains a portion of the college library's collection. Students are served at two primary locations: the Aurora Public Central Library, located one-half mile from the college at 14949 E. Alameda Parkway, www.auroralibrary.org, and the Instructional Resource Center (IRC), located in the Learning Resource Center, CentreTech Campus. All CCA students can obtain an APL library card and check out materials from any APL branch.

College Book Store

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

Community Services

The Community College of Aurora offers the following services to the community:

Aurora Language Center

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 English to more than 600 students at the Lowry Campus through the Aurora Literacy Initiative, a community collaborative. The coordinator and lead teacher for the life-skills program can be reached at 303-340-7086.

The ALC college preparatory program offers basic, intermediate, and advanced grammar, punctuation, conversation,

reading, and composition courses, as well as computer basics 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 program chair at 303-340-7504 or the administrative assistant at 303-340-7079.

Career Services

The college's Career Center, located in the Enrollment Services office, CentreTech Campus, helps match prospective employees with local businesses. The Center keeps a databank of more than 1,000 job listings which are available to CCA students, alumni, and the community. Businesses wishing to list jobs with the Career Center may call 303-360-4766 or fax a request to 303-360-4791.

Student Services and Activities

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 mailed every semester to all households in designated ZIP code areas. In addition, required disclosures to employees will be in the form of an enclosure in their paycheck envelopes every spring and are also available online at 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

Student Right To Know and Campus Security Act

In accordance with 20 U.S.§1092, information about graduation rates is available from the Director of Institutional Research, CentreTech Campus, Administration Building, Room A200-A. Information about campus security is available from the Director of Campus Security, CentreTech Campus, Administration Building, Room A101-A and online at www.ccaurora.edu/students/student-right-know. A list of sexual offenders in

the area can be obtained through the Aurora Police Department online at gis.auroragov.org/so/viewer.asp.

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 Enrollment Services office, CentreTech Campus, Administration Building, Room A102 and online at www.ccaurora.edu/students/student-right-know.

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 Enrollment Services office, CentreTech Campus, Student Centre Building, Room S101-A or online at www.ccaurora.edu/students/student-right-know.

Accreditation

CCA is accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools, 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 Enrollment Services office, CentreTech Campus, Administration Building, Room A102 and online at www.ccaurora.edu/students/student-right-know/.

Financial Aid

Information is available in the Financial Aid office at the CentreTech Campus, Administration Building, Room A207, at the Lowry Campus,

West Quad, Room 106 and online at www.ccaurora.edu/students/student-right-know. All students and prospective students are strongly encouraged to read the information available in the financial aid handbook.

Equal Opportunity

CCA does not discriminate on the basis of race, color, creed, nationality, sex, age or handicap, 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 201, 303-360-4752 or the Department of Education, Office for Civil Rights, Denver Office, 1244 Speer Blvd. #310, Denver, CO 80204.

Voter Registration

CCA fully supports and advocates that our students and staff register to vote. Voter registration forms are available in the Enrollment Services office, CentreTech Campus, Administration Building, A102, or online at www.elections.colorado.gov/DDefault.aspx?tid=547

Upon request in the Enrollment Services office, A102, CentreTech Campus, the Community College of Aurora will provide students, prospective students, employees, and prospective employees a paper copy of this information, including a full report of the institution's graduation rate and the annual security report.

This college catalog is subject to changes during the year. Changes and addendums are available at www.CCAurora.edu.

Academic Standards, Information, and Policies

Basic Skills 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 must undertake pre-college level work in these areas. This 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.

Reading

Students will demonstrate the ability to read and comprehend material that is similar in difficulty to the front pages and editorial pages of typical newspapers. This corresponds to at least a 10th grade reading level on standardized reading tests.

Writing

Students will demonstrate the ability to write paragraphs in standard written English with these characteristics:

1. Narrowed, focused topics and relevant, adequate support.
2. Coherent organization with appropriate transitions between ideas.
3. Sentence variety, including subordinate constructions.
4. Language appropriate to the subject matter.
5. Minimal interference of grammatical and mechanical errors.

Math

Students will demonstrate complete understanding of numerical manipulation methods. They must be able to perform the following tasks:

1. Put logical statements into mathematical form.
2. Manipulate those statements to obtain a solution.
3. Test those solutions for reasonableness.
4. Effectively communicate the process, both written and orally.

Policies

Catalog

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 change their degree or certificate programs, they will become subject to the provisions of the catalog current with their next enrollment.

Attendance

Regular, punctual class attendance is necessary if students are to obtain maximum benefits from instruction. Students are expected to comply with attendance policies 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.

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 ConnectED. Metro-area radio and television stations make announcements regarding school closings. Many of the television stations also have links to their computer websites for school closings.

Credit for Prior Learning

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.CCAurora.edu/facstaff/

resources/cpl.pdf. Payment must be made before assessment is undertaken and cannot be paid for with financial aid funds. Students must be registered for at least one semester hour of coursework at the time they submit an application for credit for prior learning (CPL). This credit will not be recorded on a transcript until at least one semester hour has been completed at CCA. Awarded credit may not 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 may be affected. Consult your advisor or transferred institution 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:

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 an academic 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 50 percent of in-state tuition per credit hour and payment must be made prior to the examination.

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.

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 50 percent of in-state tuition per credit hour and payment must be made prior to the evaluation.

Standardized Testing
CCA evaluates the results of standardized tests for the possible awarding of credit. Official copies of the student's scores must be sent by the testing service to the CCA Enrollment Services office. After evaluation, the student will be notified by the college if the scores were sufficient for the awarding of credit.

- College Level Examination Program (CLEP): Testing in both general and subject area examinations is offered in the Learning Resource Center (LRC). CLEP study guides may be purchased in the CCA bookstore. Test information, registration forms, and testing schedules are available in the LRC, located in the Student Centre Building, Room S202, 303-360-4736. For information concerning minimum score and credit transferability, contact Enrollment Services at 303-360-4797.

- Defense Activity for Non-Traditional Education Support (DANTES): Test information, registration forms, and testing schedules are available in the LRC, located in the Student Centre Building, S202, 303-360-4736.

Academic Standards, Information, and Policies

Academic Standards, Information, and Policies

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 generally are available at the end of each semester for all students. Grades may be accessed online at www.CCAurora.edu. Click on the MyCCA link and enter student ID number and PIN. Grades will not be provided by the Enrollment Services office during the time final grades are being processed. Any questions about grades during this time should be referred to the instructor.

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 fall and spring semesters used for tuition, financial aid and Veteran benefits purposes:

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

CCA Expectations for Student Performance

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 written approval from an academic advisor; this is dependent upon a GPA of 3.25 and evidence that the student can succeed.

Repeated Courses

Most courses, provided they are still offered at CCA, may be repeated for a higher grade. Full tuition is charged for repeated courses. The grades for both the initial class and the repeated class will appear on the transcript; however, only the higher grade will be used in the GPA calculation. Repeated courses apply only once to degrees and certificates.

Academic Progress Policy

Recognizing the value of measuring academic progress for all students, the Colorado Community College System (CCCS) has established the following practices for measuring and notifying students of their academic standing:

1. The academic progress procedure applies to all students who have completed 13 or more semester hours of credit in residence while attending college at the Community College of Aurora.

2. During the student's first 12 credit hours of enrollment, the college will monitor satisfactory progress through the college's academic alert process.

3. A student is considered in "Good Standing" when the cumulative grade point average (GPA) is at least 2.0 or greater for all completed college classes.

4. A student whose cumulative GPA is less than 2.0 for all completed coursework will be placed on Probation (initial).

5. A student is considered on Probation (continuing) when the cumulative GPA remains less than 2.0 for all completed coursework and the last term's GPA is 2.0 or greater.

6. A student is placed on Suspension (initial) when the cumulative GPA is less than 2.0 for all completed college coursework and the last term's GPA falls below 2.0. A student placed on Suspension (initial) cannot register for the next term; however, after meeting with an academic advisor, a student may be permitted to register for the subsequent term and may appeal the decision due to extenuating circumstances. This appeal does not guarantee the student's right to enroll for the next term.

7. A student is again placed on Suspension (second) when the cumulative GPA is less than 2.0 for all completed coursework and the last term GPA is less than 2.0 for the second time. This

Grade Quality of Work Indicated Grade Points

Grade	Implication	Grade Points
A	Excellent or Superior	4
B	Good	3
C	Average	2
D	Deficient	1
F	Failure	0
I	Incomplete	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
SP	Satisfactory Progress	NGPA
Z	Grade not yet reported	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 complete and sign an "Incomplete Grade Contract" and will submit it to the Enrollment Services office with the final grades for the semester. The Enrollment Services office will send a copy of the "Incomplete Grade Contract" to the student. The instructor must assign an Incomplete Grade on the regular grade roster 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.

AU-Audited courses are not eligible for the COF stipend and this grade is not certifiable to the V.A.

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 Instruction.

Incomplete grades which are not converted to a letter grade by the instructor after one subsequent semester (not including summer semester) will revert to an F grade.

Grade Point Average 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 and 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)
Total		**16**		**40**

Grades awarded for developmental courses will not be included in a student's grade point average (GPA). Grading for developmental courses will utilize the Developmental grade mode (S/A, S/B, S/C, 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.

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

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student is not permitted to register for the next two terms; however, the student may be allowed to register for the subsequent term after meeting with an academic advisor. The student may appeal the suspension due to mitigating circumstances. Granting a student's appeal does not guarantee that he/she will be permitted to enroll without a break in enrollment. A returning, suspended student will remain on Probation (continuing).

8. A student is again placed on Suspension (third) when the cumulative GPA of less than a 2.0 for all completed coursework, and the last term GPA is also below 2.0 for the third time. A student placed on Suspension (third) cannot register for the next two calendar years; however, a student may appeal the suspension due to mitigating circumstances. Granting a student's appeal does not guarantee that the student will be permitted to enroll without a break.

Additional Policies

1. A student's unofficial transcript will include the following notation as appropriate: Good Standing, Probation (Continued), Probation and Suspension (initial, second and third).

2. Summer semester will count as a term of non-enrollment, during a suspension.

Academic Appeals

Grade Appeals

The student should 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 explaining the problem. The dean will investigate and respond in writing within 15 days.

Academic Probation/Suspension Appeals

The student should initiate appeals regarding academic probation or suspension within 60 calendar days after the end of the semester in which the decision was rendered. To make an appeal, the student should contact the vice president of instruction and request a meeting to discuss the suspension or probation. The vice president of instruction will investigate and respond in writing within 15 days.

Graduation Requirement Appeals

The student should initiate appeals regarding completion of graduation requirements within 60 calendar days after the decision was rendered. To make an appeal, the student should contact the division dean in writing explaining the problem. The dean will investigate and respond in writing within 15 days.

Academic Renewal Policy

The purpose of academic renewal is to allow a student the opportunity to remove a maximum of 30 semester credit hours of poor academic performance from the grade point average (GPA) calculation.

Academic renewal applies only to courses taken at CCA and may be awarded only once. The original grade and credit hours remain on the permanent academic transcript and the number of credit hours is deducted from the student's remaining COF hours. A notation on the transcript indicates that the academic renewal has been awarded and the grade point average has been adjusted. Once academic renewal is granted, it is irreversible. Credit excluded from the GPA calculation cannot be used to satisfy the requirements for completion of a CCA certificate or degree.

Students applying for academic renewal must complete the Academic Renewal Application form available from the Enrollment Services office, CentreTech Campus, Administration Building, Room A102.

The following conditions must be met to apply for academic renewal:

1. The student must have a two-year period of non-attendance at CCA to apply for academic renewal.

2. The student must complete six semester credit hours upon returning to CCA with grades of C or better before applying for Academic Renewal.

3. The academic renewal form must include an academic advisor's signature. A student concerned about a poor academic record is encouraged to meet with an advisor to discuss CCA's other academic progress options and strategies for academic success.

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 their transfer admissions, financial aid, remaining stipend eligible hours, Veterans Affairs benefits, and other agencies. For clarification of the scope and definition of this policy, contact Enrollment Services office, CentreTech Campus, Administration Building, Room A102.

Grievance Procedures

A grievance is an action filed by a student or group of students stating that educational progress is being hampered or individual rights/freedoms are being denied through violation of a college policy, procedure or practice. It requires a request for some specific action to occur. The petitioner states the grievance in written form to the director of student life and should include the following information:

- What college policy, procedure, practice, or action is in question and what rights or freedoms are being affected.
- When and where this has occurred.

- What informal attempts were made to resolve the matter.
- What, in the individual's opinion, needs to be done to resolve the matter.

The director of student life will determine if the matter is a grievable offense. The matter will be closed if the situation is determined not grievable and the petitioner will be notified of the reasons. The director of student life will respond to the petitioner in writing within 15 days of receipt of the written grievance. If the response is satisfactory to the petitioner, no further action is necessary. If not, the petitioner notifies the director of student life to proceed to a hearing with the College Grievance Council. The director of student life will convene the College Grievance Council within 15 days of the grievance. Notice shall be given to all parties at least seven days prior to the hearing, unless the parties agree to a shorter time. The director of student life will select an impartial Grievance Council to include three members including one student, one faculty member and one administrator or classified employee.

The council will hear statements from, and may question, the petitioner and respondent. The council may accept statements in writing on behalf of petitioner and/or respondent. The Grievance Council may pursue other actions it deems necessary to obtain information to fulfill its role.

Within 15 days after completion of the hearing, the council will report its findings and decision to the director of student life. The college representative must notify both parties of the decision in writing as soon as possible.

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 a decision was motivated by illegal discrimination;
- and disciplinary actions taken pursuant to BP 4-30.

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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 Services. The decision of the Vice President is final.

Terms

- Complainant – One who files the complaint against the respondent.
- Days – Calendar days
- Disciplinary Action – Expulsion, probation, suspension, assignment of community services or other actions or conditions appropriate to the situation; these actions may be imposed through administrative hearing or appeals council.
- Finding – A decision as to whether it is more likely than not that a violation of the CCA Student Conduct Code occurred.
- Petitioner – One who files the grievance against the respondent.
- Probation – A status in which a student remains enrolled and in attendance, but under stated conditions.
- Respondent – One who responds to the request or complaint. In the case of student disciplinary matters, the student is the respondent.
- Student – Currently enrolled full-time or part-time student.
- Suspension – Dismissal of a student from the college or program for misconduct for a specified period of time. Suspension differs from expulsion because after the stated time period, the student is eligible for readmission.
- Warning – A status in which a student remains enrolled and in attendance, but is counseled to desist from specified undesirable course of action.

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 cumulative grade point. 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

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 the 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. Special articulation agreements exist for teacher education, business, criminal justice, and engineering. Certain majors require essential lower-division prerequisites. Students need to see an advisor and consult the transfer guide for assistance in selecting lower-division credits that will apply directly toward the baccalaureate degree. Information on statewide guaranteed courses is available online at http://highered.colorado.gov/Academics/Transfers/gtPathways/default.html. Credit earned through advanced placement, credit for prior learning, correspondence courses, CLEP, and other tested-only credit may not be applicable; the institution to which students transfer will evaluate these credits according to their own policies.

CCA has articulation agreements with many of the private four-year institutions in Colorado as well, and many of these colleges accept 60 to 90 or more credits from CCA. For more information, contact an advisor in the Enrollment Services office, CentreTech campus, Administration Building, Room A106.

If students follow the transfer guide for a specific degree program, their courses will apply toward the graduation requirements in their majors. Students who do not complete an AA or AS degree may transfer their credits to four-year colleges on a course-by-course basis. Transfer guides can be found on the Colorado Commission on Higher Education's website at http://highered.colorado.gov/Academics/Transfers/Students.html.

Note: Some Colorado colleges and universities have special scholarship programs designated for community college students who complete an AA or AS degree. Contact an advisor for more information.

To learn more about these opportunities, contact the transfer coordinator or admission director at the chosen institution as soon as possible to start the financial aid planning process.

Service Members Opportunity College

The Community College of Aurora is a member of the Service Members Opportunity College (SOC). SOC is a consortium of national higher education associations and 569 institutional members that function in cooperation with the Department of Defense and military services to help meet the voluntary higher education needs of service members. As a member of SOC, the Community College of Aurora subscribes to principles and criteria to ensure that high-quality academic programs are available to military students.

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 unethical actions:

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.

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).

Academic Standards, Information, and Policies

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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 Learning Resource Center 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 Learning Resource Center.
3. Third offense: The student may receive an F for the course and may be expelled from the college.

Procedures for Reporting Alleged Dishonesty

1. The instructor or LRC proctor who suspects a student of dishonesty must notify the student as quickly as possible after the alleged infraction. The instructor or LRC proctor will collect all pertinent materials. The LRC proctor will not make any decisions regarding the suspected dishonesty incident but will report it to the instructor. The instructor will discuss the suspected incident with the division chair. If the instructor and chair jointly decide that there is sufficient evidence to substantiate the allegation, the chair will report the incident to the Associate Dean of Instruction.
2. A student may appeal the cheating allegation according to the CCA Policy Procedure entitled Student Academic Appeals.

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/studentlife/additionalinfo/stuconduct.shtml.

Safety/Security

It is the responsibility of all persons to practice appropriate safety measures. In the event of an injury, during instruction or any other time on campus, the injured party must report the nature of the incident and the manner in which it was handled. This first report is to be filed in the Human Resources office, CentreTech Campus, Administration Building, Room A201, with a second copy filed in the Director of Facilities office, CentreTech Campus, Administration Building, Room A105-C.

Student Right to Know and Campus Security Act

CCA supports and complies with the Student Right to Know and Campus Security Act.

In accordance with 20 U.S.C.§1092, information about campus security is available online at www.CCAurora.edu/college/consumerism/sturights.shtml and from the Director of Campus Security, CentreTech Campus, Administration Building, Room A101-A. A list of crime-related statistics for the Lowry Campus can be obtained online through the Colorado Community College System Web site at www.cccs.edu. A list of sexual offenders in the area can be obtained through the Aurora Police Department at 303-739-6308 or online at http://gis.auroragov.org/so/viewer.asp. Security at the CentreTech Campus is located in the Administration Building, Room 101, 303-360-4727. The Security office for the Lowry Campus is located at 700 Boston Street, 303-419-5557 or 720-858-2731.

Level of Security

The Community College of Aurora will strive to make its facility a reasonably secure place for all members of the campus community. The college provides its students and employees with a level of security equal to that afforded similar activities throughout the community.

Administrative Responsibility

Responsibility for CCA security at the CentreTech Campus is assigned to the Campus Security office under the supervision of the Executive Vice-President for 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.

Academic Standards, Information, and Policies

Degrees and Certificates Awarded

The Community College of Aurora awards the following degrees and certificates:

Program Name	Degree
Associate of Arts Degree Core	**A.A.**
Early Childhood Education Plan of Study, Associate of Arts Degree (Regis Transfer),	A.A.
Early Childhood Education Plan of Study, Associate of Arts Degree (UNC – Center for Urban Education Transfer)	A.A.
Fine Art Plan of Study, Associate of Arts Degree	A.A.
Philosophy Plan of Study, Associate of Arts Degree	A.A.
Psychology Plan of Study, Associate of Arts Degree	A.A.
Business Transfer Distinction, Associate of Arts Degree	**A.A.**
Early Childhood Education Transfer Distinction, Associate of Arts Degree	**A.A.**
Elementary Education Transfer Distinction, Associate of Arts Degree	**A.A.**
Associate of Science Degree Core	**A.A.**
Biotechnology Plan of Study, Associate of Science	A.S.
Biology Plan of Study, Associate of Science	A.S.
Chemistry Plan of Study, Associate of Science	A.S.
Earth / Space Plan of Study, Associate of Science	A.S.
Physics Plan of Study, Associate of Science	A.S.
Pre-Health Plan of Study, Associate of Science	A.S.
Secondary Mathematics Education Plan of Study, Associate of Science Degree	A.S.
Associate of General Studies, Generalist	**A.G.S**
Criminal Justice Plan of Study, Associate of General Studies,	A.G.S.
Integrated Nursing Pathway, Associate of General Studies	A.G.S.
Accounting	**A.A.S.**
Accounting, Computerized Emphasis	Certificate
CPA Examination (Bachelor's with Business Major)	Certificate
CPA Examination (Bachelor's without Business Major)	Certificate
Full Charge Bookkeeping	Certificate
Individual Tax Preparation	Certificate
IRS Enrolled Agent Tax Preparation	Certificate
Managerial Accounting Emphasis	Certificate
Applied Technology	**A.A.S.**
Basic Law Enforcement Training Academy	Certificate
Biotechnology Technician	Certificate
Business Technology	Certificate
Computer Administrative Assistant	Certificate
Computer Information Systems (CIS) with CIS Emphasis	**A.A.S.**
CIS with Management Information Emphasis	**A.A.S.**
CIS with Web Development Emphasis	**A.A.S.**

Program Name	Degree
Computer Information Systems	Certificate
Linux / Unix System Administrator	Certificate
PC Applications Specialist	Certificate
Web Development	Certificate
CIS with IT Tech and Support Emphasis	**A.A.S.**
CIS with Networking Emphasis	**A.A.S.**
A+	Certificate
CISCO	Certificate
IT Tech and Support	Certificate
Networking / Security (Beginning)	Certificate
CIS with Programming Emphasis	**A.A.S.**
C Language Programming	Certificate
Computer Science	Certificate
Game Programming I	Certificate
Java Language Programming	Certificate
Programming	Certificate
Visual Basic Language Programming	Certificate
Criminal Justice	**A.A.S.**
Criminal Justice Community Policing	Certificate
Criminal Justice Detention	Certificate
Criminal Justice Law	Certificate
Criminal Justice Operations	Certificate
Criminal Justice Systems	Certificate
Diesel Power Mechanics Degree Currently Not Offered	
Diesel Power Mechanics Certificate Currently Not Offered	
Digital Sculpture and Modeling	Certificate
Early Childhood Education (ECE)	**A.A.S.**
ECE: Director	Certificate
ECE: Group Leader	Certificate
Engineering Transfer Distinction Gen. Education Courses	
Essential Skills for the Workplace	Certificate
Film Video Media: Cinematography Videography	**A.A.S.**
Film Video Media: Video Post Production	**A.A.S.**
Film Video Media: Writing Directing	**A.A.S.**
Film Video Media: Writing Producing	**A.A.S.**
Acting for the Screen	Certificate
Cinematography / Videography	Certificate
Video Post Production	Certificate
Writing Directing for Film and Video	Certificate

Program Name	Degree
Writing Producing	Certificate
Writing Producing Level I	Certificate
Advanced Immersion	Certificate
Fire Science Technology	**A.A.S.**
Fire Science Technology	Certificate
Technical Rescue	Certificate
Fire Services Administration	**A.A.S.**
Graphic Storytelling	**A.A.S.**
Management – Accounting Management	**A.A.S.**
Management – Computer Information Systems	**A.A.S.**
General Management	**A.A.S.**
Management – Human Resources	**A.A.S.**
Management – Paralegal	**A.A.S.**
Management – Tech Management	**A.A.S.**
Entrepreneurial	Certificate
Human Resources	Certificate
Management	Certificate
Marketing (General)	**A.A.S.**
Marketing	Certificate
Paralegal	Certificate
Paramedicine	**A.A.S.**
Emergency Medical Technician-Basic	Certificate
Emergency Medical Technician-Paramedic	Certificate
Real Estate	Certificate
Real Estate Appraisal	Certificate
Security Officer Specialist	Certificate
Solar PV Systems Technician	Certificate
Translation and Interpretation	Certificate
Trainer/Physical Fitness	Certificate
Trainer/Tactical Fitness	Certificate
Web Design	Certificate

Certificates of Achievements

Communication	Certificate of Achievement
Global Perspectives and Multiculturalism	Certificate of Achievement
World Language	Certificate of Achievement

Program Name	Degree

Articulations

Metropolitan State University

Computer Science	A.G.S.
Criminal Justice	A.G.S.
Film Video: Cinematography Videography	A.G.S.
Film Video: Post Production	A.G.S.
Film Video: Writing Directing	A.G.S.

Regis University

A.A.S. Degrees (60-hour)

Computer Information Systems	A.A.S.
Computer Networking	A.A.S.
Computer Programming	A.A.S.

A.A.S./A.G.S. Crosswalk Degrees (90-hour)

Accounting	A.A.S.
Computer Science	A.A.S.
Computer Information Systems	A.A.S.
Film Video Media: Acting for the Screen	A.G.S.
Film Video Media: Cinematography Videography	A.G.S.
Film Video Media: Video Post Production	A.G.S.
Film Video Media: Writing Directing	A.G.S.
Film Video Media: Writing Producing	A.G.S.
Management	A.A.S.
Management – CIS Emphasis	A.A.S.
Management – Human Resources Emphasis	A.A.S.
Marketing	A.A.S.
Networking	A.A.S.

What's New
Approved

Project Management	Certificate

Approval Pending
for the following Degrees and Certificates

Emergency Management and Homeland Security, Emphasis in EMS	A.A.S.
Emergency Management and Homeland Security, Emphasis in Fire Science	A.A.S.
New Media Design	A.A.S.
Respiratory Therapy	A.A.S.
Commercial Credit Analyst	Certificate
Health Information Technology Implementation and Technical Support	Certificate
Health Information Technology Trainer	Certificate

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
ASE	Auto Service Technology
ASL	American Sign Language
AST	Astronomy
BIO	Biology and Biotechnology
BTE	Business Technology
BUS	Business
CHE	Chemistry
CHI	Chinese
COM	Communication
CIS	Computer Information Systems
CNG	Computer & Networking Technology
CRJ	Criminal Justice
CSC	Computer Science
CWB	Computer Web Based
DAN	Dance
DPM	Diesel Power Mechanics
ECE	Early Childhood Education
ECO	Economics
EDU	Education
EIC	Electricity Industrial/Commercial
EMP	Emergency Management & Planning
EMS	Emergency Medical Services
ENG	English
ENV	Environmental Science
ENY	Energy Technology
ESL	English as a Second Language
ETH	Ethnic Studies
FIN	Finance
FOR	Foreign Language
FRE	French
FST	Fire Science Technology
FVM	Film and Video Media
GEO	Geography
GER	German
GEY	Geology
HEB	Hebrew
HPR	Health Professional
HWE	Health Wellness
HIS	History
HUM	Humanities
ITA	Italian
JPN	Japanese
LIT	Literature
MAN	Management
MAR	Marketing
MAT	Math
MED	Mediation
MGD	Multimedia Graphic Design
MUS	Music
PAR	Paralegal
PED	Physical Education
PER	Physical Education & Recreation
PHI	Philosophy
PHO	Photography
PHY	Physics
POS	Political Science
PSM	Public Security Management
PSV	Public Service
PSY	Psychology
REA	Reading
REE	Real Estate
RUS	Russian
SBM	Small Business Management
SCI	Science
SOC	Sociology
SPA	Spanish
THE	Theatre
TRI	Translation & Interpretation
WOL	World Languages
WST	Women's Studies

Course number

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

Section Number

A three-digit number or letter combination is assigned to all college courses. The section number is found immediately following the course number. (Ex. COM 115-111 = Section 111 of Public Speaking). This number is not indicative of the number of sections offered at CCA.

Course Title

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

Credit hours

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

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 Division Dean. No more than 6 semester hours of independent study course work may be applied to any Associate degree program.

Prerequisites

Some courses require another course or special permission before enrolling. For example, students cannot enroll in MAT 121 until MAT 106 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 CIS 118 without enrolling in CIS 161 because the material covered in the courses complement each other. Co-requisites are listed in the course description.

Special Topics Courses

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 Instructional Leadership Team. 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.

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.

Degree and Certificate Policies and Procedures

DEGREE 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. 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.

3. No more than six semester hours of special topics (courses numbered 175-177 or 275-277) may be applied to any associate degree program.

4. No more than six semester hours of independent study courses (numbered 299) may be applied to any associate degree program.

5. No more than six semester hours of directed study courses (generally numbered 295-298) may be applied to any associate degree program.

6. Courses numbered 100 and above apply to degrees (MAT 106 is an exception).

7. Credit for Prior Learning will apply toward degree requirements, but not toward guaranteed transfer or residency requirements.

8. To obtain a second degree from CCA, a student must meet all degree requirements as well as complete 15 additional semester hours at CCA.

DEGREE AND CERTIFICATE PROCEDURES

1. Students should meet with an advisor the semester before they expect to graduate for a degree or certificate check or verification. Upon completion of that meeting, a Graduation Application should be submitted.

2. 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 graduation evaluator to review their records and ensure that they register for the appropriate courses in the final semester. Application deadlines are as follows:

If students plan to graduate at the end of:	The application deadline is:
Spring	December 1
Summer	April 1
Fall	July 1

3. Students should complete the course requirements as prescribed by the specific degree or certificate program.

4. Students should complete appropriate general education requirements for the degree.

5. Students should maintain a required cumulative grade point average of 2.0 (C) in all credit counted toward a degree or certificate.

6. Students should earn at least a C in all major area or "emphasis" courses listed in each degree or certificate requirement.

7. Students must satisfactorily complete a minimum of 15 credit hours at the institution from which the degree is offered. For certificates, at least 25% of the credits must be completed in residence. Online courses with registrations through the home college will be included in residency hours.

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, 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.

*Special articulation agreements exist for Teacher Education, Business, and Engineering that specify which lower-division prerequisites are needed. Certain majors require essential lower-division prerequisites. Links to transfer guides that will help students select lower-division credits that will speed them on their way to finishing the baccalaureate degree are available on the college website.

Transfer credits, earned for prior learning, Advanced Placement, correspondence courses, CLEP and other tested-only credit may not apply. The transfer institution will evaluate these credits according to its own policies.

A list of guaranteed majors is available at: http://highered.colorado.gov/Academics/Transfers/gtPathways/programs.pdf.

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.

More transfer information is available at the Colorado Commission of Higher Education website at http://highered.colorado.gov/Academics/Transfers/gtPathways/default.html

Communication

2 courses (6 credit hours, to include a 2 course sequence of 1 introductory course, followed by 1 intermediate course.)

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

Mathematics

1 course, or a series of 3 1-credit-hour courses (3 credit hours)

- (GT-MA1)

Arts & Humanities, History, & Social and Behavioral Sciences

(15 credit hours)

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

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

History – 1 course (minimum 3 credits)

- (GT-HI1)

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

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

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

Natural and Physical Sciences

2 courses (7 credit hours)

Seven credits must include at least one SC1 course.

- Course with Required Laboratory (GT-SC1)

Includes:

- Courses that integrate a lecture and laboratory
- Separately transcripted laboratories that have an SC2 lecture course as a prerequisite or corequisite
- Lecture Course Without Required Laboratory (GT-SC2)

Guarantee Transfer Courses

Prefix/Number	Title
ANT 101	Cultural Anthropology
ANT 107	Introduction to Archaeology
ANT 111	Physical Anthropology
ANT 201	Introduction to Forensic Anthropology
ANT 215	Indians of North America
ART 110	Art Appreciation
ART 111	Art History - Ancient to Medieval
ART 112	Art History - Renaissance to Modern
ART 207	Art History, 1900 - Present
AST 101	Astronomy I
AST 102	Astronomy II
BIO 105	Science of Biology
BIO 111	General College Science Biology I with Lab
BIO 112	General College Science Biology II with Lab
BIO 201	Human Anatomy & Physiology
BIO 202	Human Anatomy & Physiology II
BIO 204	Microbiology
BIO 208	General College Microbiology
BIO 220	General Zoology
BIO 221	Botany
CHE 101	Introduction to College Chemistry I with Lab
CHE 102	Introduction to College Chemistry II with Lab
CHE 111	General College Chemistry I with Lab
CHE 112	General College Chemistry II with Lab
DAN 125	History of Dance
ECO 101	Economics of Social Issues
ECO 201	Principles of Macroeconomics
ECO 202	Principles of Microeconomics
ECO 245	Environmental Economics
ENG 121	English Composition I
ENG 122	English Composition II
ETH 200	Introduction to Ethnic Studies
FRE 211	French III
FRE 212	French IV
GEO 105	World Regional Geography
GEO 106	Human Geography
GEO 111	Physical Geography – Landforms

GER 211	German III	MAT 215	Discrete Mathematics
GER 212	German IV	MAT 255	Linear Algebra
GEY 111	Physical Geology	MAT 265	Differential Equations
GEY 121	Historical Geology	MUS 120	Music Appreciation
HIS 101	Western Civilization: Antiquity - 1650	MUS 121	Music History I
HIS 102	Western Civilization: 1650 - Present	MUS 122	Music History II
HIS 111	The World: Antiquity - 1500	MUS 123	Survey of World Music
HIS 112	The World: 1500 - Present	PHI 111	Introduction to Philosophy
HIS 201	U.S. History to Reconstruction	PHI 112	Ethics
HIS 202	U.S. History Since the Civil War	PHI 113	Logic
HIS 208	American Indian History	PHI 114	Comparative Religions
HIS 215	Women in U.S. History	PHI 214	Philosophy of Religions
HIS 225	Colorado History	PHI 218	Environmental Ethics
HIS 236	U.S. History Since 1945	PHY 105	Conceptual Physics
HIS 244	History of Latin America	PHY 111	Physics: Algebra-Based I with Lab
HIS 247	20th Century World History	PHY 112	Physics: Algebra-Based II with Lab
HIS 249	History of Islamic Civilization	PHY 211	Physics: Calculus-Based I with Lab
HIS 255	The Middle Ages	PHY 212	Physics: Calculus-Based II with Lab
HIS 260	U.S. Foreign Relations History	POS 105	Introduction to Political Science
HUM 115	World Mythology	POS 111	American Government
HUM 121	Humanities: Early Civilization	POS 125	American State and Local Government
HUM 122	Humanities: Medieval – Modern	POS 205	International Relations
HUM 123	Humanities: Modern World	POS 225	Comparative Government
ITA 211	Italian Language III	PSY 101	General Psychology I
ITA 212	Italian Language IV	PSY 102	General Psychology II
JPN 211	Japanese III	PSY 205	Psychology of Gender
JPN 212	Japanese IV	PSY 217	Human Sexuality
LIT 115	Introduction to Literature	PSY 226	Social Psychology
LIT 201	World Literature to 1600	PSY 227	Psychology of Death and Dying
LIT 202	World Literature after 1600	PSY 235	Human Growth & Development
LIT 205	Ethnic Literature	PSY 238	Child Development
LIT 211	American Literature to Civil War	PSY 240	Health Psychology
LIT 212	American Literature after the Civil War	PSY 249	Abnormal Psychology
LIT 221	British Literature to 1770	RUS 211	Russian III
LIT 222	British Literature since 1770	RUS 212	Russian IV
LIT 225	Introduction to Shakespeare	SCI 155	Integrated Science I
MAT 120	Math for Liberal Arts	SCI 156	Integrated Science II
MAT 121	College Algebra	SOC 101	Introduction to Sociology I
MAT 122	College Trigonometry	SOC 102	Introduction to Sociology II
MAT 123	Finite Mathematics	SOC 205	Sociology of Family Dynamics
MAT 125	Survey of Calculus	SOC 215	Contemporary Social Problems
MAT 135	Introduction to Statistics	SOC 220	Sociology of Religion
MAT 155	Integrated Mathematics I	SOC 231	The Sociology of Deviant Behavior
MAT 156	Integrated Mathematics II	SPA 211	Spanish III
MAT 166	Pre-Calculus	SPA 212	Spanish IV
MAT 201	Calculus I	THE 105	Theatre Appreciation
MAT 202	Calculus II	THE 211	Development of Theatre I
MAT 203	Calculus III	THE 212	Development of Theatre II
MAT 204	Calculus III with Engineering Applications	WST 200	Introduction to Women's Studies

Degree Core

The AA degree incorporates statewide guaranteed transfer courses and is transferable to four-year institutions. Admission is up to the discretion of the four-year institution. When choosing electives, it is important to contact an advisor and the transfer institution's transfer guide. For guides to CO public colleges and universities, visit http://highered.colorado.gov/Academics/Transfers/gtPathways/default.html. Some majors require specific electives.

Special articulation agreements exist for Elementary Education, Early Childhood Education, and Business. Be sure to follow the correct program and contact an advisor and your college of transfer intent early in your program.

Associate of Arts Degree: 60 credits
General Education Requirements: 38 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

English – take both courses; Communication – select 1 course

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3 credits – MA1)

Select one course
Credits over 3 will be applied to electives

Course #	Credits	Course Title
MAT 120	4	Mathematics for Liberal Arts
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 123	4	Finite Math
MAT 125	4	Survey of Calculus
MAT 135	3	Introduction to Statistics
MAT 155*	4	Integrated Math I
MAT 156*	4	Integrated Math II
MAT 166	3	Pre-Calculus
MAT 201	5	Calculus I
MAT 202	5	Calculus II
MAT 203	4	Calculus III
MAT 215	4	Discrete Math
MAT 255	3	Linear Algebra
MAT 265	3	Differential Equations

* You must take both MAT 155 and 156 to meet this requirement

Physical and Life Sciences
(8 credits– GT-SC1)

Select 2 courses
Credits over 8 will be applied to electives

Course #	Credits	Course Title
AST 101	4	Astronomy I
AST 102	4	Astronomy II
BIO 105	4	Science of Biology
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
BIO 208	5	General College Microbiology
BIO 220	5	Zoology
BIO 221	5	Botany
CHE 101	5	Introduction to Chemistry I with Lab
CHE 102	5	Introduction to Chemistry II with Lab
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 105	4	Conceptual Physics
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab
PHY 211	5	Physics: Calculus-Based I with Lab
PHY 212	5	Physics: Calculus-Based II with Lab
SCI 155	4	Integrated Science I
SCI 156	4	Integrated Science II

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 3 courses. One must be History and no more than 2 others from any 1 category

Course #	Credits	Course Title
		Category I (GT-HI1)
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America

Course #	Credits	Course Title
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History

<div align="center">Category II (GT-SS1)</div>

Course #	Credits	Course Title
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government

<div align="center">Category III (GT-SS2)</div>

Course #	Credits	Course Title
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms

<div align="center">Category IV (GT-SS3)</div>

Course #	Credits	Course Title
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 Credits)

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

Course #	Credits	Course Title

<div align="center">Category I (GT-AH1)</div>

Course #	Credits	Course Title
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II

<div align="center">Category II (GT-AH2)</div>

Course #	Credits	Course Title
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare

<div align="center">Category III (GT-AH3)</div>

Course #	Credits	Course Title
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics

<div align="center">Category IV (GT-AH4)</div>

Course #	Credits	Course Title
FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

General Education Credits **38**

Academic Achievement Strategies: AAA	Geology: GEY
Accounting: ACC 121, 122	German: GER 111+
Anthropology: ANT	Health Professional: HPR
Art: ART	Health Wellness: HWE
American Sign Language: ASL	Hebrew: HEB
Astronomy: AST	History: HIS
Biology: BIO	Humanities: HUM
Business: BUS 115, 216, 217, 226	Japanese: JPN 111+
Chemistry: CHE	Literature: LIT
Chinese: CHI	Management: MAN 226
Communications: COM	Marketing: MAR 216
Computer Information Systems: CIS 115, 118	Math: MAT 111+
Computer Science: CSC	Music: MUS
Criminal Justice: CRJ 110	Philosophy: PHI
Dance: DAN	Photography: PHO
Early Childhood Education: ECE 101, 102, 205, 238, 241	Physics: PHY
Economics: ECO	Political Science: POS
Education: EDU	Psychology: PSY
English: ENG 121+	Russian: RUS 111+
Ethnic Studies: ETH	Science: SCI 155, 156
Foreign Language: FOR 111+	Sociology: SOC
French: FRE 111+	Spanish: SPA 111+
Geography: GEO	Theatre: THE
	Women's Studies: WST

Total General Education Credits.. 38

Total Elective Credits.. 22

A.A. DEGREE TOTAL REQUIRED CREDITS 60

The new State Guaranteed Transfer Courses and the new Colorado Community College General Education requirements have been incorporated into the degree.

NOTE: This guarantee excludes majors in Education, Business, Engineering, or Nursing, as well as exempt majors in the colleges of liberal arts and sciences.

Associate of Arts Degree

Early Childhood Education Plan of Study

Regis University

NOTE: This degree will be conferred as an Associate of Arts. Early Childhood Education will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for those students intending to transfer to Regis University

General Education Requirements

Communication/English
(9 credits – GT-CO1, GT-CO2)

Course #	Credits	Course Title
COM 115	3	Public Speaking
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Literature/Humanities
(6 Credits)

LIT 115-275 (3 SH required)

Choose any one class from selection below:

ART 110-269	LIT 115-275
COM 125-268	MUS 100-111, 120-154
ENG 131-230	PHO 101-260
FVT 105-275	THE 105, 165, 200-248
HUM 103-266	

Global Issues
(6 Credits)

Course #	Credits	Course Title
GEO 105	3	World Regional Geography

Choose any one class from selection below:

Course #	Credits	Course Title
ANT 101	3	Cultural Anthropology
ANT 215	3	Indians of North America
HIS 101	3	Western Civilization: Antiquity-1650
HIS 102	3	Western Civilization: 1650-Present
HIS 111	3	The World: Antiquity-1500
HIS 112	3	The World: 1500-Present
HIS 251	3	Christianity - Reformation
HUM 115	3	World Mythology
POS 205	3	International Relations
POS 225	3	Comparative Government

Social Sciences
(6 credits)

Course #	Credits	Course Title
HIS 201	3	US History to Reconstruction
OR		
HIS 202	3	US History Since Civil War

Choose any one class from selection below:

ANT 101-263	GEO 105-200
CRJ 109-153, 205-240, 249-269	HIS 101-260
ECO 101-118, 201-245, 287	POS 105, 111-175, 205, 215-275
ECE 101, 103, 104, 111, 125-129, 145, 191,	PSY 100-116, 200-269
195-228, 237-260, 262-266	SOC 100-158, 201-265
EDU 221-265	WST 200
ETH 106-224	

Mathematics
(3 Credits – MA1)

Course #	Credits	Course Title
MAT 120 or higher	3	Math for Liberal Arts: MA1

Natural Sciences
(3 credits– GT-SC1)

Choose any one class from selection below:

AST 101-102	GEO 107-165
BIO 105-204	HWE 100
CHE 101-212	PHY 105-213
ENY 101	MET 150
GEY 111-135, 143-205	SCI 116-156

Philosophy/Religious Studies
(12 Credits)

Course #	Credits	Course Title
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 115	3	World Religions - West
PHI 116	3	World Religions - East
PHI 214	3	Philosophy of Religion

Required Education Courses: 15 Hours

Course #	Credits	Course Title
PSY 235 OR	3	Human Growth & Development
PSY 238	3	Child Development
LIT 255	3	Children's Literature
ECE 101	3	Intro to Early Childhood Education
EDU 261	3	Teaching, Learning & Technology
EDU 240 OR	3	Teaching Exceptional Learners
ECE 260	3	Exceptional Child

Total General Education Credits... **45**

Total Required Credits.. **15**

A.A. DEGREE, EARLY CHILDHOOD EDUCATION PLAN OF STUDY (REGIS), TOTAL REQUIRED CREDITS...................... **60**

Early Childhood Education Plan of Study

UNC CENTER FOR URBAN EDUCATION

NOTE: This degree will be conferred as an Associate of Arts. Early Childhood Education will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for those students intending to transfer to UNC-Center for Urban Studies

General Education Requirements: 24 credits

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
MAT 155	3	Integrated Mathematics I
MAT 156	3	Integrated Mathematics II
ART 110	3	Art Appreciation
HIS 201	3	US History to Reconstruction
GEO 105	3	World Regional Geography
POS 111	3	American Government

Total General Education Required Credits **24**

Major Requirements
(21 credits)

Course #	Credits	Course Title
ECE 101	3	Introduction to Early Childhood Education
ECE 102	3	Introduction to Early Childhood Lab Techniques
ECE 205	3	Nutrition, Health, and Safety
ECE 220	3	Curriculum Development: Methods and Techniques
ECE 238	3	Child Growth and Development
LIT 255	3	Children's Literature
COM 115	3	Public Speaking

Total Major Required Credits.. **21**

Early Childhood Education Requirements
(15 credits)

Course #	Credits	Course Title
EDU 221	3	Introduction to Education
EDU 261	3	Teaching, Learning, and Technology
EDU 288	3	Practicum II
EDU 240 OR	3	Teaching Exceptional Learners
ECE 260	3	Exceptional Child
ECE 103	3	Guidance Strategies for Children

Total Early Childhood Education Required credits **15**

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Associate of Arts

Fine Art Plan of Study

NOTE: This degree will be conferred as an Associate of Arts Degree. Fine Art will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This Plan of Study is designed to provide a foundation of contemporary artistic knowledge and development of basic visual communication skills. The AA is ideal for students planning to transfer to a four-year college or university to complete a major in Art.

Associate of Arts Degree: 60 credits

General Education Requirements: 39 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

English – take both courses; Communication – select 1 course

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communications

*This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(4 credits – MA1)

Select one course

Course #	Credits	Course Title
MAT 120	4	Mathematics for Liberal Arts
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 123	4	Finite Math
MAT 125	4	Survey of Calculus
MAT 135	3	Introduction to Statistics
MAT 155*	4	Integrated Math I
MAT 156*	4	Integrated Math II
MAT 166	3	Pre-Calculus
MAT 201	5	Calculus I
MAT 202	5	Calculus II
MAT 203	4	Calculus III
MAT 215	4	Discrete Math
MAT 255	3	Linear Algebra
MAT 265	3	Differential Equations

* You must take both MAT 155 and 156 to meet this requirement

Physical and Life Sciences
(8 Credits – GT-SC1)

Select 2 courses

Course #	Credits	Course Title
AST 101	4	Astronomy I
AST 102	4	Astronomy II
BIO 105	4	Science of Biology
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
BIO 208	5	General College Microbiology
BIO 220	5	Zoology
BIO 221	5	Botany
CHE 101	5	Introduction to Chemistry I with Lab
CHE 102	5	Introduction to Chemistry II with Lab
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 105	4	Conceptual Physics
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab
PHY 211	5	Physics: Calculus-Based I with Lab
PHY 212	5	Physics: Calculus-Based II with Lab
SCI 155	4	Integrated Science I
SCI 156	4	Integrated Science II

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 3 courses.
One must be History and no more than
2 others from any 1 category

Course #	Credits	Course Title
	Category I (GT-HI1)	
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History

HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History

Category II (GT-SS1)

ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government

Category III (GT-SS2)

GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms

Category IV (GT-SS3)

ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits)

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

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
	Category II (GT-AH2)	
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
	Category III (GT-AH3)	
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics
	Category IV (GT-AH4)	
FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV

SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

General Education Credits 39

Required Associate of Art/Fine Art Electives
(21 credits)

Course #	Credits	Course Title
ART 110	3	Art Appreciation
ART 121	3	Drawing I
ART 131	3	2D Design
ART 132	3	3D Design
ART 150	3	Digital Art Foundations

Choose any two of the following (six credits)

Course #	Credits	Course Title
ART 122	3	Drawing II
ART 161	3	Ceramics I
ART 156	3	Figure Drawing I
ART 138	3	Photography I

General Education Credits 39

Required Fine Art Electives 21

A.A. DEGREE, FINE ART PLAN OF STUDY,
   TOTAL REQUIRED CREDITS.. 60

Associate of Arts

Philosophy Plan of Study

NOTE: This degree will be conferred as an Associate of Arts. Philosophy will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for those students intending to transfer to Regis University's College for Professional Studies to major in a Bachelor of Arts in Liberal Arts with a specialization in Philosophy. This degree can also be applied to any major in Regis' College for Professional Studies. In addition, this degree fulfills the lower division requirements for those students intending to transfer to Regis University to major in Philosophy.

Students need to take any 5 out of the 6 following classes – either as General Education Arts and Humanities credits or General Electives:

PHI 111	Intro to Philosophy	PHI 114	Comparative Religion
PHI 112	Ethics	PHI 214	Philosophy of Religion
PHI 113	Logic	PHI 218	Environmental Ethics

Associate of Arts Degree: 60 credits

General Education Requirements: 38 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

*English – take both courses;
Communication – select 1 course*

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

Mathematics
(3 credits – MA1)

*Select one course
Credits over 3 will be applied to electives*

Course #	Credits	Course Title
MAT 120	4	Mathematics for Liberal Arts
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 123	4	Finite Math
MAT 125	4	Survey of Calculus
MAT 135	3	Introduction to Statistics
MAT 155*	4	Integrated Math I
MAT 156*	4	Integrated Math II
MAT 166	3	Pre-Calculus
MAT 201	5	Calculus I
MAT 202	5	Calculus II
MAT 203	4	Calculus III
MAT 255	3	Linear Algebra
MAT 265	3	Differential Equations

* You must take both MAT 155 and 156 to meet this requirement

Physical and Life Sciences
(8 Credits – GT-SC1)

*Select 2 courses
Credits over 8 will be applied to electives*

Course #	Credits	Course Title
AST 101	4	Astronomy I
AST 102	4	Astronomy II
BIO 105	4	Science of Biology
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
BIO 220	5	Zoology
CHE 101	5	Introduction to Chemistry I with Lab
CHE 102	5	Introduction to Chemistry II with Lab

Course #	Credits	Course Title
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 105	4	Conceptual Physics
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab
PHY 211	5	Physics: Calculus-Based I with Lab
PHY 212	5	Physics: Calculus-Based II with Lab

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 3 courses. One must be History and no more than 2 others from any 1 category

Course #	Credits	Course Title
	Category I (GT-HI1)	
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: Antiquity - 1650I
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History
	Category II (GT-SS1)	
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government
	Category III (GT-SS2)	
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms
	Category IV (GT-SS3)	
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies

Course #	Credits	Course Title
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 Credits)

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

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
	Category II (GT-AH2)	
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
	Category III (GT-AH3)	
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics

PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics

<div align="center">Category IV (GT-AH4)</div>

FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

Total General Education Credits.. 38

Associate of Arts Electives:
22 credits

See a CCA advisor and transfer guide to assist in selecting appropriate electives/courses for your major/transfer institution.

Certain majors have specific prerequisites. Electives must be numbered 100 or above, unless specifically noted.

Courses may only apply once toward degree requirements.

Academic Achievement Strategies: AAA
Accounting: ACC 121, 122
Anthropology: ANT
Art: ART
American Sign Language: ASL
Astronomy: AST
Biology: BIO
Business: BUS 115, 216, 217, 226
Chemistry: CHE
Chinese: CHI
Communications: COM
Computer Information Systems:
CIS 115, 118
Computer Science: CSC
Criminal Justice: CRJ 110
Dance: DAN
Early Childhood Education: ECE 101, 102,
205, 238, 241
Economics: ECO
Education: EDU
English: ENG 121+
Ethnic Studies: ETH
Foreign Language: FOR 111+
French: FRE 111+
Geography: GEO

Geology: GEY
German: GER 111+
Health Professional: HPR
Health Wellness: HWE
Hebrew: HEB
History: HIS
Humanities: HUM
Japanese: JPN 111+
Literature: LIT
Management: MAN 226
Marketing: MAR 216
Math: MAT 111+
Music: MUS
Philosophy: PHI
Photography: PHO
Physics: PHY
Political Science: POS
Psychology: PSY
Russian: RUS 111+
Science: SCI 155, 156
Sociology: SOC
Spanish: SPA 111+
Theatre: THE
Women's Studies: WST

Total General Education Credits.. 38

Total Elective Credits.. 22

A.A. DEGREE, PHILOSOPHY PLAN OF STUDY,

TOTAL REQUIRED CREDITS.. 60

The new State Guaranteed Transfer Courses and the new Colorado Community College General Education requirements have been incorporated into the degree.
NOTE: This guarantee excludes majors in Education, Business, Engineering, or Nursing, as well as exempt majors in the colleges of liberal arts and sciences.

Associate of Arts Degree

Psychology Plan of Study

NOTE: This degree will be conferred as an Associate of Arts. Psychology will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission. This program is designed for those students intending to transfer to Metro State University to major in a Bachelor of Arts in Psychology.

Psychology
(12 credits)

The following classes must be taken as General Electives and will count toward AA Electives. These four courses are required for the Metro 2+2 Program.

Course #	Credits	Course Title
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 226	3	Social Psychology
PSY 235	3	Human Growth and Development

Additional Optional Psychology Courses:

PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 227	3	Psychology of Death and Dying
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology

**Associate of Arts
Degree: 60 credits**

**General Education
Requirements: 38 credits**

Communication/English
(9 credits – GT-CO1, GT-CO2)

English-take both courses, Communication-select 1course

Course #	Credits	Course Title
ENG 121	3	English Composition I
AND		
ENG 122	3	English Composition II
AND		
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3 credits – MA1)

Select one course

Credits over 3 will be applied towards electives.

Course #	Credits	Course Title
MAT 120	4	Mathematics for Liberal Arts
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 123	4	Finite Math
MAT 125	4	Survey of Calculus
MAT 135	3	Introduction to Statistics
MAT 155*	4	Integrated Math I
MAT 156*	4	Integrated Math II
MAT 166	3	Pre-Calculus
MAT 201	5	Calculus I
MAT 202	5	Calculus II
MAT 203	4	Calculus III
MAT 265	3	Differential Equations

* You must take both MAT 155 and 156 to meet this requirement

Physical and Life Sciences
(8 credits – GT-SC1)

Credits over 8 will be applied to electives.

Course #	Credits	Course Title
BIO 105	4	Science of Biology
OR		
BIO 111	5	General College Biology I with Lab
AND		
Select 1 other course		
AST 101	4	Astronomy I
AST 102	4	Astronomy II
BIO 105	4	Science of Biology
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
BIO 220	5	Zoology
CHE 101	5	Introduction to Chemistry I with Lab
CHE 102	5	Introduction to Chemistry II with Lab
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II w/ Lab
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 105	4	Conceptual Physics
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab
PHY 211	5	Physics: Calculus-Based I with Lab
PHY 212	5	Physics: Calculus-Based II with Lab
SCI 155	4	Integrated Science I
SCI 156	4	Integrated Science II

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 3 courses. One must be History and no more than 2 others from any 1 category. *6 credit hours of Social and Behavioral Sciences CANNOT be in PSY

Course #	Credits	Course Title
Category I (GT-HI1)		
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History
Category II (GT-SS1)		
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government
Category III (GT-SS2)		
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms
Category IV (GT-SS3)		
ANT 101	3	Cultural Anthropology

ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

Arts and Humanities
(9 credits)

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

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
	Category II (GT-AH2)	
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
	Category III (GT-AH3)	
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics
	Category IV (GT-AH4)	
FRE 211	3	French III
FRE 212	3	French IV

Associate of Arts Electives
(10 credits)

See a CCA advisor and transfer guide to assist in selecting appropriate electives/courses for your minor at MSCD. Certain majors/minors have specific prerequisites. Electives must be numbered 100 or above, unless specifically noted.

Courses may only apply once toward degree requirements.

Recommended Multicultural Requirement
3 credits

This course should meet the MSCD multicultural requirement. Confirm with MSCD prior to making your course selection.

ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
HIS 208	3	American Indian History
HIS 215	3	Women In U.S. History
HIS 250	3	African American History

Academic Achievement Strategies: AAA	Geology: GEY
Accounting: ACC 121, 122	German: GER 111+
Anthropology: ANT	Health Professional: HPR
Art: ART	Health Wellness: HWE
American Sign Language: ASL	Hebrew: HEB
Astronomy: AST	History: HIS
Biology: BIO	Humanities: HUM
Business: BUS 115, 216, 217, 226	Japanese: JPN 111+
Chemistry: CHE	Literature: LIT
Chinese: CHI	Management: MAN 226
Communications: COM	Marketing: MAR 216
Computer Information Systems: CIS 115, 118	Math: MAT 111+
Computer Science: CSC	Music: MUS
Criminal Justice: CRJ 110	Philosophy: PHI
Dance: DAN	Photography: PHO
Early Childhood Education: ECE 101, 102, 205, 238, 241	Physics: PHY
Economics: ECO	Political Science: POS
Education: EDU	Psychology: PSY
English: ENG 121+	Russian: RUS 111+
Ethnic Studies: ETH	Science: SCI 155, 156
Foreign Language: FOR 111+	Sociology: SOC
French: FRE 111+	Spanish: SPA 111+
Geography: GEO	Theatre: THE
	Women's Studies: WST

Total Psychology Credits Required 12

Total General Education Credits 38

Total Elective Credits 10

A.A. DEGREE, PSYCHOLOGY PLAN OF STUDY,
TOTAL REQUIRED CREDITS....................................60

*The new State Guaranteed Transfer Courses and the new Colorado Community College
General Education requirements have been incorporated into the degree.

NOTE: This guarantee excludes majors in Education, Business, Engineering, or Nursing,
as well as exempt majors in the colleges of liberal arts and sciences.

Associate of Arts

Business Transfer Distinction

STATEWIDE BUSINESS TRANSFER AGREEMENT

Colorado community college students who have completed the degree requirements for an Associate of Arts (AA) degree with an emphasis in Business, maintained a minimum 2.0 cumulative GPA, and earned a C or better in all business courses shall be fully considered for admission into the business programs offered by the participating four-year public colleges. If offered admission, the student will enter with junior standing in the school of business, provided that all courses follow the guidelines. See an advisor for more information.

This agreement does not guarantee admission to the School of Business. It does guarantee, however, that admitted students who follow the conditions of this agreement will be guaranteed complete transfer of the AA degree up to the maximum allowable course credits.

Students who have earned other two-year degrees, or who have not fully completed the degree requirements for an AA degree, will be evaluated on a course-by-course basis. Individual business courses may transfer and count toward the graduation requirements for a four-year business degree, but the transferable courses are limited to course equivalents specified in the curricula of the four-year Business Administration degree programs.

General Education Requirements:
40 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(8 credits – GT-MA1)

Select 121 or 123, 125 is required

Course #	Credits	Course Title
MAT 121	4	College Algebra
OR		
MAT 123	4	Finite Mathematics
MAT 125	4	Survey of Calculus

Physical and Life Sciences
(8 credits – GT-SC1)

Select 2 courses (credits over 8 will be applied to electives)

Course #	Credits	Course Title
AST 101	4	Astronomy I
AST 102	4	Astronomy II
BIO 105	4	Science of Biology
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
BIO 208	5	General College Microbiology
BIO 220	5	Zoology
CHE 101	5	Introduction to Chemistry I with Lab
CHE 102	5	Introduction to Chemistry II with Lab
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 105	4	Conceptual Physics
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab
PHY 211	5	Physics: Calculus-Based I with Lab
PHY 212	5	Physics: Calculus-Based II with Lab
SCI 155	4	Integrated Science I - Physics & Chemistry
SCI 156	4	Integrated Science II - Earth & Life Science

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1)

Select 1 HIS course and 2 ECO courses

Course #	Credits	Course Title
	Category I (GT-HI1)	
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History

HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History

Category II (GT-SS1)

| ECO 201 | 3 | Principles of Macroeconomics |
| ECO 202 | 3 | Principles of Microeconomics |

Arts and Humanities
(6 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

*Select 2 courses from any one of
the following categories*

Course #	Credits	Course Title

Category I (GT-AH1)

ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II

Category II (GT-AH2)

HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare

Category III (GT-AH3)

PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion

Category IV (GT-AH4)

| FRE 211 | 3 | French III |
| FRE 212 | 3 | French IV |

GER 211	3	German III
GER 212	3	German IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

Total General Education Credits... **40**

Business Requirements: 20 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business I
BUS 217	3	Business Communication and Report Writing
BUS 226	3	Business Statistics

Total Business Credits.. **20**

**A.A. DEGREE, BUSINESS STATEWIDE TRANSFER,
   TOTAL REQUIRED CREDITS**.. **60**

NOTE: The four-year college or university will accept all eligible credits earned
within ten years of transfer. Courses earned more than ten years earlier will be evaluated on an
individual basis.

Associate of Arts

Early Childhood Education

STATEWIDE EARLY CHILDHOOD EDUCATION
TRANSFER AGREEMENT

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, Mesa State College, 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.

General Education Requirements
35 credits

Communication/English
(6 credits – GT-CO1, GT-CO2)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Mathematics
(6 credits – GT-MA1)
Choose 2 courses

Course #	Credits	Course Title
MAT 120 **OR**	4	Mathematics for Liberal Arts
MAT 121 **AND**	4	College Algebra
MAT 135 **OR**	3	Introduction to Statistics
MAT 155 **AND**	3	Integrated Math I
MAT 156	3	Integrated Math II

Science
(8 Credits – GT-SC1)

Course #	Credits	Course Title
SCI 155 **AND**	4	Integrated Science I – Physics and Chemistry
SCI 156	4	Integrated Science II – Earth and Life Science

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2)

Course #	Credits	Course Title
HIS 201	3	US History I
POS 111	3	American Government
GEO 105	3	World Regional Geography

Arts and Humanities
(6 credits)
Select one from each category

Course #	Credits	Course Title
		Category I
ART 110	3	Art Appreciation
MUS 120	3	Music Appreciation
		Category II
LIT 115	3	Introduction to Literature
LIT 255	3	Children's Literature

Total General Education Credits.. 35

Early Childhood Education Requirements: 25 credits

Course #	Credits	Course Title
ECE 101	3	Introduction to Early Childhood Education
ECE 102	3	Introduction to Early Childhood Lab
ECE 205	3	Nutrition, Health & Safety
ECE 238	4	Child Growth and Development
ECE 241	3	Human Relations for Child Development
COM 115	3	Public Speaking (grade B or higher)

Early Childhood Education Required Credits.......................19

Electives (to be determined by CCA and transfer institution)....6

A.A. DEGREE, EARLY CHILDHOOD EDUCATION, TOTAL REQUIRED CREDITS.. 60

*(Depending on your selection of science courses, you may have 59 credits. In this case, please contact the ECE Dept. at 303-340-7563)

Associate of Arts

Elementary Education

STATEWIDE ELEMENTARY EDUCATION TRANSFER AGREEMENT

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, Mesa State College, 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.

General Education Requirements: 32 credits

Communication/English
(6 credits – GT-CO1, GT-CO2)
Must complete ENG 121 with a B or better

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Mathematics
(6 credits – GT-MA1)

Course #	Credits	Course Title
MAT 155	3	Integrated Math I
MAT 156	3	Integrated Math II

Science

Course #	Credits	Course Title
SCI 155	4	Integrated Science I
SCI 156	4	Integrated Science II

Social and Behavioral Sciences
(9 Credits)

Course #	Credits	Course Title
GEO 105	3	World Regional Geography
HIS 201	3	US History I
POS 111	3	American Government

Humanities
(3 Credits – AH2)

Choose one course

Course #	Credits	Course Title
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 211	3	American Literature to Civil War
LIT 212	3	American Lit after Civil War

General Education
Requirements: 9 credits

Education
(9 Credits)

Course #	Credits	Course Title
EDU 221	3	Introduction to Education
PSY 238	3	Child Development
COM 115	3	Public Speaking

Total CCA Education Requirements Credits............................ 41

Elective credits based on transfer institution 19

**Total Electives determined jointly by CCA and
  transfer institution 19**
Consult an advisor at the transfer institution to determine appropriate electives.

**A.A. DEGREE, ELEMENTARY EDUCATION STATEWIDE
  TRANSFER, TOTAL REQUIRED CREDITS............................. 60**

Associate of Science

Degree Core

The AS degree incorporates statewide guaranteed transfer courses and is transferable to four-year institutions. Admission, however, is up to the discretion of the four-year institution. When choosing electives, it is important to contact an advisor and the transfer institution's transfer guide. For guides to CO public colleges and universities, visit http://highered.colorado.gov/Academics/Transfers/gtPathways/default.html. Some majors require specific electives.

CCA offers the state guaranteed general education for the Engineering transfer distinction. Depending upon the intended transfer institution the student may be able to fit the required 39 credits into an Associate of Science degree. Students should contact an advisor for more information. Be sure to follow the correct program and contact an advisor and your college of transfer intent early in your program.

Associate of Science Degree: 60 credits

**General Education Core
Requirements: 38 credits**

Communication/English
(9 credits – GT-CO1, GT-CO2)

English – take both courses; Communication – select 1 course

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3, 4 or 5 credits – GT-MA1)

Select from the following

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 201	5	Calculus I
MAT 202	5	Calculus II
MAT 203	4	Calculus III
MAT 204	5	Calculus III with Engineering Applications
MAT 215	4	Discrete Math
MAT 255	3	Linear Algebra
MAT 265	3	Differential Equations

Physical and Life Sciences
(8 credits – GT-SC1)

Select 2 courses (credits over 8 will be applied to electives)

Course #	Credits	Course Title
AST 101	4	Astronomy I
AST 102	4	Astronomy II
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
BIO 208	5	General College Microbiology
BIO 220	5	Zoology

BIO 221	5	Botany
CHE 101	5	Intro to Chemistry I with Lab
CHE 102	5	Intro to Chemistry II with Lab
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab
PHY 211	5	Physics: Calculus-Based I with Lab
PHY 212	5	Physics: Calculus-Based II with Lab

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

*Select 1 HIS course and
2 courses from at least 1 other category*

Course #	Credits	Course Title
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History
Category II (GT-SS1)		
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government
Category III (GT-SS2)		
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms
Category IV (GT-SS3)		
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology

ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits – GT-AH1, GT-AH2, GT-AH3)

Select 3 courses from at least 2 different categories

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
	Category II (GT-AH2)	
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770

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LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare

Category III (GT-AH3)

PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics

Category IV (GT-AH4)

FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

General Education Core Credits .... 38, 39 or 40

Associate of Science
Electives: 20, 21, or 22 credits

See a CCA advisor and consult the transfer guide to assist in selecting appropriate electives/courses for your intended major/transfer institution. Certain majors have specific prerequisites.

Select from the following

(Courses must be 100-level and above, except when noted)

Astronomy: AST
Biology: BIO
Chemistry: CHE
Computer Information Systems: CIS 115, 118
Computer Science: CSC
Economics: ECO
French: FRE 111+

Geology: GEY
German: GER 111+
Health Professional: HPR
Health Wellness: HWE
History: HIS
Japanese: JPN 111+
Math: MAT 111+
Physics: PHY
Russian: RUS 111+
Science: SCI 155, 156

Spanish: SPA 111+

Courses may be applied only once toward degree requirements.

Total General Education Core Credits .... 38, 39 or 40
(depending on MAT)

Total Elective Credits .... 16, 17 or 18

A.S. DEGREE TOTAL REQUIRED CREDITS 60

The new State Guaranteed Transfer Courses and the new Colorado Community College General Education requirements have been incorporated into the degree.

NOTE: This guarantee excludes majors in Education, Business, Engineering, or Nursing, and certain Liberal Arts and Sciences majors.

Biotechnology Plan of Study

NOTE: This degree will be conferred as an Associate of Science. Biotechnology will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for students intending transfer to a public college or university in Colorado; however, taking biotech courses may not work for all science majors, and prerequisite courses may be needed upon transfer. Students should discuss transfer with their advisors and the intended transfer institution early in the program.

General Education Requirements: 40 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

English – take both courses, Communication – select 1

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115 **OR**	3	Public Speaking
COM 125*	3	Interpersonal Communication

This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3 credits – GT-MA1)

Select 1 course (credits over 3 will be applied to electives)

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 201	5	Calculus I
MAT 202	5	Calculus II

Physical and Life Sciences
(10 credits – GT-SC1)

Select 2 courses (Credits over 8 will be applied to electives)

Course #	Credits	Course Title
BIO 111	5	General College Biology I with Lab
CHE 111	5	General College Chemistry I with Lab

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

*Select 1 HIS course and
1 or 2 courses from at least 1 other category*

Course #	Credits	Course Title
		Category I (GT-HI1)
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650- Present

HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History

Category II (GT-SS1)

ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government

Category III (GT-SS2)

GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms

Category IV (GT-SS3)

ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

*Select 3 courses from at least
2 different categories*

Course #	Credits	Course Title
		Category I (GT-AH1)
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
		Category II (GT-AH2)
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
		Category III (GT-AH3)
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics
		Category IV (GT-AH4)
FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV

SPA 211	3	Spanish III
SPA 212	3	Spanish IV

General Education Credits **40**

Electives: 21 credits

Course #	Credits	Course Title
BIO 204	4	Microbiology
CHE 112	5	General College Chemistry II
BIO 269	4	Nucleic Acid Techniques
BIO 268	4	Cell Biology & Immunology
CHE 211L	1	Organic Chemistry I Lab
ENG 131	3	Technical Writing

Elective Credits **21**

**A.S. DEGREE, BIOTECH PLAN OF STUDY,
   TOTAL REQUIRED CREDITS**.. **61**

Associate of Science

Biology Plan of Study

NOTE: This degree will be conferred as an Associate of Science. Biology will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for students intending transfer to a public college or university in Colorado to major in biology. Students should discuss transfer with their advisors and the intended transfer institution early in the program.

General Education Requirements: 38 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and
is in addition to the statewide guaranteed transfer courses.

Mathematics
(3-5 credits – GT-MA1)

*Select from the following
(credits over 3 will be applied to electives)*

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 201	5	Calculus I
MAT 202	5	Calculus II

Physical and Life Sciences
(8 credits – GT-SC1)

*Take both courses
(Credits over 8 will be applied to electives)*

Course #	Credits	Course Title
BIO 111	5	General College Biology I
BIO 112	5	General College Biology II

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

*Select 1 HIS course and
1 or 2 courses from at least 1 other category*

Course #	Credits	Course Title
		Category I (GT-HI1)
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History
		Category II (GT-SS1)
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government
		Category III (GT-SS2)
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms
		Category IV (GT-SS3)
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology

ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 3 courses from at least 2 different categories

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
	Category II (GT-AH2)	
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare

	Category III (GT-AH3)	
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics
	Category IV (GT-AH4)	
FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

General Education Credits **38**

Math/Science Electives:
22 credits

Chemistry classes are required

Course #	Credits	Course Title
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab

*Select from the following courses.
Be sure to account for any math credits In excess of 3 credits and science credits in excess of 8 In the General Education classes taken.*

BIO 204	4	Microbiology
BIO 220	5	Zoology
BIO 221	5	Botany
MAT 135	3	Introduction to Statistics

Elective Credits **22**

**A.S. DEGREE, BIOLOGY PLAN OF STUDY
TOTAL REQUIRED CREDITS**... **60**

Associate of Science

Chemistry Plan of Study

This degree will be conferred as an Associate of Science. Chemistry will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for students intending transfer to a public college or university in Colorado to major in chemistry. Students should discuss transfer with their advisors and the intended transfer institution early in the program.

General Education Requirements: 38 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

English – take both courses, Communication – select 1

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3-5 credits – GT-MA1)

*Select from the following
(credits over 3 will be applied to electives).*

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 201	5	Calculus I
MAT 202	5	Calculus II

Physical and Life Sciences
(8 credits – GT-SC1)

*Both courses required. Select from the following
(credits over 8 will be applied to electives).*

Course #	Credits	Course Title
CHE 111	5	General College Chemistry I
CHE 112	5	General College Chemistry II

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

*Select 1 HIS course and
1 or 2 courses from at least 1 other category*

Course #	Credits	Course Title
	Category I (GT-HI1)	
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History
	Category II (GT-SS1)	
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government
	Category III (GT-SS2)	
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms
	Category IV (GT-SS3)	
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 3 courses from at least 2 different categories)

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval

ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II

Category II (GT-AH2)

HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare

Category III (GT-AH3)

PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics

Category IV (GT-AH4)

FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

General Education Credits 38

Math/Science Electives: 22 credits

Select from the following

*Be sure to account for any math credits In excess
of 3 credits and any science credits in excess of 8 in the
General Education classes taken.*

Course #	Credits	Course Title
PHY 211	5	Physics: Calculus Based I with Lab
PHY 212	5	Physics: Calculus Based II with Lab
CHE 211	5	Organic Chemistry I
CHE 212	5	Organic Chemistry II
MAT 203	4	Calculus III

Elective Credits 22

A.S. DEGREE, CHEMISTRY PLAN OF STUDY, TOTAL REQUIRED CREDITS.. 60

Associate of Science

Earth / Space Plan of Study

NOTE: This degree will be conferred as an Associate of Science. Earth/Space will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for students intending transfer to a public college or university in Colorado to major in earth or space science. Students should discuss transfer with their advisors and the intended transfer institution early in the program.

General Education Requirements: 38 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

English – take both courses, Communication – select 1

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Speech (select 1)

COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and is in
addition to the statewide guaranteed transfer courses.

Mathematics
(3-5 credits – GT-MA1)

*Select from the following
(credits over 3 will be applied to electives).*

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry

Course #	Credits	Course Title
MAT 201	5	Calculus I
MAT 202	5	Calculus II

Physical and Life Sciences
(8 credits – GT-SC1)

Select 2 from the following
(credits over 8 will be applied to electives).

Course #	Credits	Course Title
AST 101	4	Astronomy I
AST 102	4	Astronomy II
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 1 HIS course and
1 or 2 courses from at least 1 other category

Course #	Credits	Course Title
	Category I (GT-HI1)	
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History
	Category II (GT-SS1)	
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government
	Category III (GT-SS2)	
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms
	Category IV (GT-SS3)	
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology

Course #	Credits	Course Title
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 3 courses from at least
2 different categories

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
	Category II (GT-AH2)	
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War

LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare

Category III (GT-AH3)

PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics

Category IV (GT-AH4)

FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

General Education Credits **38**

Math/Science Electives: 22 credits

Select from the following. Be sure to account for any math credits In excess of 3 credits and any science credits In excess of 8 in the General Education classes taken.

Course #	Credits	Course Title
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab
GEY 275	3	Earth Science
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab

Elective Credits **22**

A.S. DEGREE, EARTH/SPACE PLAN OF STUDY

TOTAL REQUIRED CREDITS **60**

Associate of Science

Physics Plan of Study

NOTE: This degree will be conferred as an Associate of Science. Physics will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for students intending transfer to a public college or university in Colorado to major in physics or engineering. Students should discuss transfer with their advisors and the intended transfer institution early in the program.

General Education Requirements: 38 credits

Communication / English
(9 credits – GT-CO1, GT-CO2)

English (take both courses)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3-5 credits – GT-MA1)

*Select from the following
(credits over 3 will be applied to electives)*

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 201	5	Calculus I

Physical and Life Sciences
(8 credits – GT-SC1)

Credits over 8 will be applied to electives.

Course #	Credits	Course Title
PHY 211	5	Physics: Calculus Based I with Lab
PHY 212	5	Physics: Calculus Based II with Lab

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

*Select 1 HIS course and
1 or 2 courses from at least one other category*

Course #	Credits	Course Title
		Category I (GT-HI1)
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500

HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History

Category II (GT-SS1)

ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government

Category III (GT-SS2)

GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms

Category IV (GT-SS3)

ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 3 courses from at least 2 different categories

Course #	Credits	Course Title
		Category I (GT-AH1)
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
		Category II (GT-AH2)
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
		Category III (GT-AH3)
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics
		Category IV (GT-AH4)
FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV

| SPA 211 | 3 | Spanish III |
| SPA 212 | 3 | Spanish IV |

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

General Education Credits 38

Math/Science Electives:
22 credits

Select from the following

*Be sure to account for any math credits In excess
of 3 credits and any science credits in excess of 8 in the
General Education classes taken.*

Course #	Credits	Course Title
CHE 111	5	General College Chemistry I
CHE 112	5	General College Chemistry II
MAT 202	5	Calculus II
MAT 203	4	Calculus III
MAT 255	3	Linear Algebra
MAT 265	3	Differential Equations

Elective Credits 22

A.S. DEGREE, PHYSICS AND ENGINEERING
PLAN OF STUDY, TOTAL REQUIRED CREDITS 60

Associate of Science

Pre-Health Plan of Study

NOTE: This degree will be conferred as an Associate of Science. Pre-Health will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

This degree is designed for students intending transfer to a public college or university in Colorado to major in one of the Health Sciences. Students should discuss transfer with their advisors and the intended transfer institution early in the program.

General Education Requirements: 38 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3-5 credits – GT-MA1)

*Select from the following
(credits over 3 will be applied to electives)*

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 201	5	Calculus I
MAT 202	5	Calculus II

Physical and Life Sciences
(10 credits – GT-SC1)

*Take both courses
(Credits over 8 will be applied to electives).*

Course #	Credits	Course Title
BIO 111	5	General College Biology I
CHE 111	5	General College Chemistry I

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

*Select 1 HIS course and
1 or 2 courses from at least one other category*

Course #	Credits	Course Title
		Category I (GT-HI1)
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History
		Category II (GT-SS1)
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government

		Category III (GT-SS2)
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms
		Category IV (GT-SS3)
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 3 courses from at least 2 different categories

Course #	Credits	Course Title
		Category I (GT-AH1)
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
		Category II (GT-AH2)
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature

LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
		Category III (GT-AH3)
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics
		Category IV (GT-AH4)
FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

General Education Credits 38

Math/Science Electives: 22 credits
Select from the following

*Be sure to account for any math credits In excess of
3 credits and science credits in excess of 8 credits in the
General Education classes taken.*

Course #	Credits	Course Title
BIO 201	4	Human Anatomy and Physiology I
BIO 202	4	Human Anatomy and Physiology II
BIO 204	4	Microbiology

Select 8 or more credits from the following:

HWE 100	3	Human Nutrition
HPR 178	2	Medical Terminology
BIO 112	5	General College Biology II
MAT 135	3	Introduction to Statistics

Elective Credits 22

**A.S. DEGREE, PRE-HEALTH PLAN OF STUDY
  TOTAL REQUIRED CREDITS... 60**

Secondary Mathematics Education
Plan of Study

NOTE: This degree will be conferred as an Associate of Science. Mathematics Education will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission.

The Associate of Science Degree with A Secondary Mathematics Education Plan of Study is designed for the student who wishes to transfer to a Regis University's secondary mathematics education licensure program. Students who complete the A.S. degree and concentration at Aurora Community College with a grade point average of 2.5 or better (with a grade of "C" or better in all mathematics coursework) will qualify for acceptance to the Regis University Secondary Mathematics Education program offered through the College of Professional Studies and may complete their baccalaureate program by completing just 51 additional credit hours.

The specific nature of the courses required for both the degree and optional emphasis are aligned with the basic knowledge and mathematics requirements specified by the Colorado Department of Education Mathematics Model Content Standards as well as state-required coursework for secondary licensed teachers.

Associate of Science Degree: 60 credits

General Education Core Requirements: 38 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(3 credits)

Course #	Credits	Course Title
MAT 135	3	Introduction to Statistics

Physical and Life Sciences
(8 credits – GT-SC1)

Select 2 courses (credits over 8 will be applied to electives)

Course #	Credits	Course Title
AST 101	4	Astronomy I
AST 102	4	Astronomy II
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
BIO 208	5	General College Microbiology
BIO 220	5	Zoology
BIO 221	5	Botany
CHE 101	5	Intro to Chemistry I with Lab
CHE 102	5	Intro to Chemistry II with Lab
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 105	4	Conceptual Physics
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab
PHY 211	5	Physics: Calculus-Based I with Lab
PHY 212	5	Physics: Calculus-Based II with Lab

Social and Behavioral Sciences
(9 credits)

Take required Psychology and 1 HIS course

Course #	Credits	Course Title

Required Psychology courses

PSY 101	3	General Psychology I
PSY 235	3	Human Growth & Development

Select one course

HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 247	3	20th Century World History

Arts and Humanities
(9 credits)

Take two Philosophy required course, select one other course

Course #	Credits	Course Title
	Category I (GT-AH1)	

Required courses

PHI 112	3	Ethics
PHI 113	3	Logic

Select one course

ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I

MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II

Category II (GT-AH2)

HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare

Category III (GT-AH3)

PHI 111	3	Introduction to Philosophy
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics

Category IV (GT-AH4)

FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

General Education Core Credits **38**

Required Mathematics
(22 credits)

MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 201	5	Calculus I
MAT 202	5	Calculus II
MAT 203	4	Calculus III
MAT 255	3	Linear Algebra

Total Mathematics Credits... **22**

SECONDARY MATHEMAT0ICS EDUCATION EMPHASIS
(25 credits)

Note: These additional hours will be accepted by Regis University and applied toward the baccalaureate degree

EDU 188	1	Practicum I
EDU 221	3	Introduction to Education
EDU 234	3	Multicultural Education
EDU 240	3	Teaching the Exceptional Learner
EDU 261	3	Teaching, Learning and Technology
MAT 109	3	Geometry
PSY 245	3	Educational Psychology

Philosophy (Select two courses)

PHI 114	3	Comparative Religions
PHI 115	3	World Religions–West
PHI 116	3	World Religions–East
PHI 124	3	Introduction to Islam
PHI 214	3	Philosophy of Religion
PHI 250	3	Eastern Wisdom

Total Secondary Mathematics Emphasis Credits **25**

A.S. DEGREE TOTAL REQUIRED CREDITS **60**

Additional Credits for Regis **25**

TOTAL REQUIRED CREDITS………………....................……. **87**

Associate of General Studies

Generalist

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.

Associate of General Studies Degree: 60 credits

General Education Core Requirement: 15 credits

Communication/English
(3 credits – GT-CO1)

Course #	Credits	Course Title
ENG 121	3	English Composition I

Mathematics
(3 credits – GT-MA1)

(Credits over 3 will be applied to electives)

Course #	Credits	Course Title
MAT 120	4	Mathematics for the Liberal Arts
		Or higher level Math

Physical and Life Sciences
(3 credits)
(Credits over 3 will be applied to electives)

Astronomy: AST	Health Professional: HPR
Biology: BIO	Health Wellness: HWE
Chemistry: CHE	Physics: PHY
Geology: GEY	Science: SCI

Social and Behavioral Sciences
(3 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 1 course

Course #	Credits	Course Title
	Category I (GT-HI1)	
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 208	3	American Indian History
HIS 215	3	Women in U.S. History
HIS 225	3	Colorado History
HIS 236	3	U.S. History Since 1945
HIS 244	3	History of Latin America
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 255	3	The Middle Ages
HIS 260	3	U.S. Foreign Relations History
	Category II (GT-SS1)	
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 125	3	American State and Local Government
POS 205	3	International Relations
POS 225	3	Comparative Government
	Category III (GT-SS2)	
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
GEO 111	4	Physical Geography - Landforms
	Category IV (GT-SS3)	
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies

PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 240	3	Health Psychology
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 220	3	Sociology of Religion
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(3 credits – GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Select 1 course

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
	Category II (GT-AH2)	
HUM 115	3	World Mythology
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
	Category III (GT-AH3)	
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics

PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
PHI 218	3	Environmental Ethics

Category IV (GT-AH4)

FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

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

General Education Core Credits 15

General Education Electives: 15 credits**

Select from the general education courses not taken to meet requirements listed above. Courses must be numbered 100 or higher. Communication classes also apply.

***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. Courses may only apply once toward degree requirements. Up to 30 credits from a completed Pickens Tech Certificate are eligible.

Select from the following

Academic Achievement Strategies: AAA	Economics: ECO
Accounting: ACC	Education: EDU
Anthropology: ANT	Emergency Medical Services: EMS
Art: ART	English: ENG 121+
American Sign Language: ASL	Ethnic Studies: ETH
Astronomy: AST	Film and Video Media: FVM
Biology: BIO	Fire Science Technology: FST
Biotechnology: BIO	Foreign Language: FOR
Business: BUS	French: FRE
Chemistry: CHE	Geography: GEO
Chinese: CHI	Geology: GEY
Communications: COM	German: GER
Computer Information Systems: CIS	Health Professional: HPR
Computer & Networking Technology: CNG	Health Wellness: HWE
Computer Science: CSC	Hebrew: HEB
Computer Web Based: CWB	History: HIS
Criminal Justice: CRJ	Humanities: HUM
Dance: DAN	Japanese: JPN
Diesel Powered Mechanics: DPM	Literature: LIT
Early Childhood Education: ECE	Management: MAN

Marketing: MAR	Psychology: PSY
Math: MAT 107+	Real Estate: REE
Music: MUS	Russian: RUS
Paralegal: PAR	Science: SCI
Philosophy: PHI	Sociology: SOC
Photography: PHO	Spanish: SPA
Physics: PHY	Theatre: THE
Political Science: POS	Women's Studies: WST
Public Security Management: PSM	World Languages: WOL

Total General Education Core Requirements 15

Total General Education Electives 15

Total Electives.. 30

**A.G.S. DEGREE, GENERALIST
    TOTAL REQUIRED CREDITS... 60**

Associate of General Studies

Criminal Justice Plan of Study

NOTE: This degree will be conferred as an Associate of General Studies. Criminal Justice will not be listed on the student's transcript or diploma, but will be recognized by transferring institutions for program admission. This degree is designed for those students intending to transfer to the University of Colorado Denver's School of Public Affairs. Contact a CCA and UCD advisor for details.

General Education Requirements: 44 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

English (both courses required)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115 **OR**	3	Public Speaking
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3 credits – GT-MA1)

Course #	Credits	Course Title
MAT 135	3	Introduction to Statistics

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

Complete any two courses

Course #	Credits	Course Title
AST 101	4	Astronomy I

AST 102	4	Astronomy II
BIO 105	4	Science of Biology
BIO 111	5	General College Biology I, w/lab
BIO 112	5	General College Biology II, w/lab
BIO 201	4	Human Anatomy and Physiology I
BIO 202	4	Human Anatomy and Physiology II
BIO 204	4	Microbiology
CHE 101	5	Introduction to Chemistry I, w/lab
CHE 102	5	Introduction to Chemistry II, w/lab
CHE 111	5	General College Chemistry I
CHE 112	5	General College Chemistry II
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 111	5	Physics: Algebra-based I, w/lab
PHY 112	5	Physics: Algebra-based II, w/lab
PHY 211	5	Physics: Calculus-based I, w/lab
PHY 212	5	Physics: Calculus-based II, w/lab
SCI 155	4	Integrated Science I**
SCI 156	4	Integrated Science II**

**both SCI 155 and SCI 156 must be completed for transfer status

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select one History course and two courses from two other categories

Course #	Credits	Course Title
	Category I (GT-HI1)	
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 247	3	20th Century World History
	Category II (GT-SS1)	
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 205	3	International Relations
POS 225	3	Comparative Government
	Category III (GT-SS2)	
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
	Category IV (GT-SS3)	
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology

ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Art
(15 credits GT-AH1,GT-AH2, GT-AH3, GT-AH4)

Select 1 Art and 4 Humanities classes

Course #	Credits	Course Title
	Category I (GT-AH1)	
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
	Category II (GT-AH2)	
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
	Category III (GT-AH3)	
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics

PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion

<div align="center">Category IV (GT-AH4)</div>

FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III
RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

General Education Credits 44

Criminal Justice Requirements: 18 credits

Required Courses
(9 credits)

Course #	Credits	Course Title
CRJ 110	3	Introduction to Criminal Justice
CRJ 230	3	Criminology
SOC 101	3	Introduction to Sociology I

Elective Courses
(9 credits)
Select any three courses

Course #	Credits	Course Title
CRJ 111	3	Substantive Criminal Law
CRJ 112	3	Procedural Criminal Law
CRJ 119	3	Legal and Ethical Concepts
CRJ 135	3	Judicial Functions
CRJ 145	3	The Correctional Process
CRJ 205	3	Principles of Criminal Law
CRJ 210	3	Constitutional Law
CRJ 216	3	Juvenile Law and Procedure
CRJ 220	3	Human Relations and Social Conflicts

General Education Requirements.. 44

Criminal Justice Required Credits 9

Elective Credit.. 9

A.G.S. DEGREE, CRIMINAL JUSTICE PLAN OF STUDY
  TOTAL REQUIRED CREDITS.. 62

<div align="center">Associate of General Studies</div>

Integrated Pathway to Baccalaureate Nursing Education Program

INTEGRATED NURSING PATHWAY

The Community College of Aurora and the University of Colorado, College of Nursing offer a unique, integrated pathway to earn a Bachelor of Science in nursing. Students will also earn an Associate of General Studies from Community College of Aurora within the Program. This is a selective program. Students may apply to the Integrated Nursing Pathway when program prerequisite requirements are close to being completed.

Students interested in this program may contact Nancy K. Case, Dean of Health Sciences at Nancy.Case@ccaurora.edu or call 303.340.7073 to schedule an appointment.

Associate of General Studies Degree: 62 credits

Program Pre-Requisite Requirements for Integrated Nursing Pathway: 32 credits

Communication/English
(3 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I

Mathematics
(7 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 135	3	Introduction to Statistics

Physical and Life Sciences
(10 credits)

Course #	Credits	Course Title
BIO 111	5	General College Biology I w/Lab
CHE 101	5	Introduction to Chemistry I w/ Lab

Social and Behavioral Sciences
(9 credits)

Course #	Credits	Course Title
ANT 101	3	Cultural Anthropology
PSY 101	3	General Psychology I
SOC 101	3	Introduction to Sociology I

Arts and Humanities
(3 credits)

Select 1 course

Course #	Credits	Course Title
		Category I (GT-AH1)
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
DAN 125	3	History of Dance
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
MUS 123	3	Survey of World Music
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II

Required Pre-requisite Credits... 32

Note: Colorado Minimum Academic Preparation Standards (MAPS) for foreign language – two years of high school or one year of college will be applied to the Integrated Pathway Program.

Required Pathway Courses: 30 credits

Application to Integrated Nursing Pathway is required

Course #	Credits	Course Title
ENG 122	3	English Composition II
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
PSY 235	3	Human Growth & Development
HPR 209	3	Professional Nursing Pathway
HIS 247	3	20th Century World History
HWE 101	3	Human Nutrition
PHI 120	3	Applied Ethics

Required Integrated Nursing Pathway Credits........................ 30

Total Required Pre-Requisite Credits ………………..……….32

Total Required Integrated Nursing Pathway Credits 30

A.G.S. DEGREE, INTEGRATED NURSING PATHWAY
   TOTAL REQUIRED CREDITS.. 62

Associate of Applied Science Degree

The Associate of Applied Science (AAS) Degree prepares students for entry-level employment in a given occupation or for upgrading/stabilizing employment. These programs are not intended for transfer to baccalaureate degree programs; however, certain courses and degrees may be accepted toward a bachelor's degree at some institutions. All occupational degree programs have been approved by the State Board for Community Colleges and Occupational Education. A student who is interested in earning the AAS degree must successfully complete a minimum of 60 credits. The number of general education courses, degree required courses, and electives are specified for each AAS degree program. In many cases, certificates also are offered in the same program as an AAS degree. Examples include Accounting, Computer Information Systems, Criminal Justice, Management, and Public Service. Students are urged to consult an academic advisor for further information about the specific program of interest to them.

Associate of Applied Science

Accounting

The accounting programs are designed for students whose objectives are to obtain technical degrees and/or certificates. Graduates find employment in many areas of business and government.

Students should consult an academic advisor before selecting courses. ACC 101 is not applicable toward either the CCA certificate in Accounting or the Associate of Applied Science degree in Accounting, but is a good introductory course for students who are new to accounting. The Accounting degree and certificate program (Computerized Emphasis or Governmental Emphasis) can be designed to specific student needs with the approval of the Accounting Coordinator.

General Education Requirements: 18 credits

English
(3 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Mathematics or Science
(3 credits)
Select from the following

Credits	Course Discipline
3	Astronomy(101 or higher), Biology(105,111,121,201,202,204,208,220), Chemistry(101,102,105,111,112), Geology(111,121), Mathematics (121 or higher), Physics (105 or higher), or Science (155 or 156)

Social and Behavioral Sciences
(3 credits)
Select any GT course from the following

Credits	Course Discipline
3	Anthropology, Ethnic Studies, Geography, History, Political Science, Psychology, Sociology, or Women's Studies

Humanities
(3 credits)
Select any GT course from the following

Credits	Course Discipline
3	Art, Foreign Language (211 or higher), Humanities, Literature, Music, Philosophy, Theatre

Additional General Education
Requirements: 6 credits
Take both courses

Course #	Credits	Course Title
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics

General Education Credits 18

Degree Requirements: 31 credits
Take all courses

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
ACC 211	4	Intermediate Accounting I
ACC 232	3	Auditing
BUS 216	3	Legal Environment of Business I
BUS 217	3	Business Communication and Report Writing
CIS 118	3	Introduction to PC Applications
CIS 155	3	Concepts PC Spreadsheet
CIS 161	1	Presentation Graphics I
ACC 132	2	Tax Help Colorado
ACC 133	1	Tax Help Colorado Site Practicum

Required Degree Credits.. 31

Electives: 12 credits
Select a minimum of 12 credit hours from the following – at least 6 credit hours must be 200 level ACC courses:

Course #	Credits	Course Title
ACC 115	3	Payroll Accounting
ACC 125	3	Computerized Accounting I
ACC 225	3	Computerized Accounting II
ACC 131	3	Individual Income Tax
ACC 212	4	Intermediate Accounting II
ACC 216	3	Governmental and Not-for-Profit Acct.
ACC 226	3	Cost Accounting I
ACC 227	3	Cost Accounting II
CIS 145	3	Complete PC Database
MAN 225	3	Managerial Finance
MAT 112	3	Financial Mathematics

Elective Credits 12

A.A.S. DEGREE, ACCOUNTING TOTAL REQUIRED CREDITS.. 61

Accounting, Computerized Emphasis

CERTIFICATE

Computerized Emphasis
Requirements: 24 credits
Take all courses

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
ACC 125	3	Computerized Accounting I
ACC 225	3	Computerized Accounting II
BUS 217	3	Business Communication and Report Writing
CIS 161	1	Presentation Graphics I
CIS 118	3	Introduction to PC Applications
CIS 155	3	Concepts PC Spreadsheet

Required Computer Emphasis Credits 24

Computerized Emphasis
Electives: 3 credits
Select from the following

Course #	Credits	Course Title
ACC 115	3	Payroll Accounting
ACC 131	3	Income Tax
ACC 132	2	Tax Help Colorado
ACC 133	1	Tax Help Colorado Site Practicum
ACC 211	3	Intermediate Accounting I
ACC 212	3	Intermediate Accounting II

Course #	Credits	Course Title
ACC 216	3	Governmental and Not-for-profit Accounting
ACC 226	3	Cost Accounting I
ACC 227	3	Cost Accounting II
CIS 145	3	Complete PC Database
MAT 112	3	Financial Math

Accounting Degree Elective Credits 3

**ACCOUNTING, COMPUTERIZED EMPHASIS CERTIFICATE
TOTAL REQUIRED CREDITS** 27

Accounting

CERTIFICATE

**Uniform CPA Examination
Education Requirements
(Bachelor's Degree with business major)**

Required Accounting Courses

Course #	Credits	Course Title
ACC 131	3	Income Tax
OR		
ACC 132	2	Tax Help Colorado
AND		
ACC 133	1	Tax Help Colorado Practicum
ACC 211	4	Intermediate Accounting I
ACC 212	4	Intermediate Accounting II
ACC 226	3	Cost Accounting I
ACC 232	3	Auditing
ACC 275	3	Advanced Accounting

Total Certificate Requirements .... 20 credits

Accounting

CERTIFICATE

**Uniform CPA Examination
Education Requirements
(Bachelor's Degree with non-business major)**

Required Accounting Courses

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
ACC 131	3	Income Tax
OR		
ACC 132	2	Tax Help Colorado
AND		
ACC 133	1	Tax Help Colorado Practicum
ACC 211	4	Intermediate Accounting I
ACC 212	4	Intermediate Accounting II

ACC 226	3	Cost Accounting I
ACC 232	3	Auditing
ACC 275	3	Advanced Accounting

Required Accounting Course Credits 28

**Required Business,
Management Courses**

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business I
BUS 217	3	Business Communications and Report Writing
BUS 226	3	Business Statistics
MAN 225	3	Managerial Finance
MAN 226	3	Principles of Management

Elective: 3

choose one course from

BUS/ECO/MAN/MAR not listed above

Required Business, Management Courses 21

**ACCOUNTING CERTIFICATE
TOTAL CREDITS REQUIRED** 49

Full Charge Bookkeeping

CERTIFICATE

**Required Core Courses for
Business Certificate**

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Total Credits 9

**Full Charge Bookkeeping
Required Courses**

Course #	Credits	Course Title
ACC 101	3	Fundamentals of Accounting
OR		
ACC 121	4	Accounting Principles I
ACC 115	3	Payroll Accounting
ACC 125	3	Computerized Accounting I
ACC 225	3	Computerized Accounting II

Required Full Charge Bookkeeping Credits .... 12 or 13

**FULL CHARGE BOOKKEEPING CERTIFICATE
TOTAL REQUIRED CREDITS** .... 21 or 22

Individual Tax Preparation

Required Core Courses for Business Certificate

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Required Core Credits... 9

Individual Tax Preparation Required Courses

Course #	Credits	Course Title
ACC 101	3	Fundamentals of Accounting
OR		
ACC 121	4	Accounting Principles I
ACC 132	2	Tax Help Colorado
ACC 133	1	Tax Help Colorado Site Practicum

Required Individual Tax Preparation Credits .... 6 or 7

INDIVIDUAL TAX PREPARATON CERTIFICATE
TOTAL REQUIRED CREDITS...................................... 15 or 16

IRS Enrolled Agent Tax Preparation

Required Core Courses for Business Certificate

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Required Core Credits... 9

IRS Enrolled Agent Tax Preparation Required Courses

Course #	Credits	Course Title
ACC 121	4	Accounting Principles I
ACC 132	2	Tax Help Colorado
ACC 133	1	Tax Help Colorado Site Lab
ACC 131	3	Individual Tax Preparation
ACC 231	3	Business Taxation
ACC 265	3	Review Course Enrolled Agent

Required IRS Enrolled Agent Tax Preparation Credits............. 16

IRS ENROLLED AGENT TAX PREPARATION
TOTAL REQUIRED CREDITS... 25

Managerial Accounting

Required Core Courses for Business Certificate

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Required Core Credits... 9

Managerial Accounting Required Courses

Course #	Credits	Course Title
BUS 226	3	Business Statistics
ACC 121	4	Accounting Principles I
ACC 122	4	Accounting Principles II
ACC 226	3	Cost Accounting I
ACC 227	3	Cost Accounting II

Required Managerial Accounting Credits 17

MANAGERIAL ACCOUNTING CERTIFICATE
TOTAL REQUIRED CREDITS.. 26

Applied Technology

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 FVT. Specific courses must be selected in consultation with a CCA Department Chair.

Community College of Aurora General Education Requirements: 15 credits

Communication (3 credits)
Select 1 course from the following

Course #	Credits	Course Title
COM 115	3	Public Speaking
OR		
COM 125	3	Interpersonal Communication

Mathematics or Science
(6 credits)

Select from the following

Credits	Course Discipline
6	Astronomy, Biology, Chemistry, Computer Science, Geology, Health Professions, Health Wellness Education, Mathematics 107 or higher, Physics 105, Science

Social/Behavioral Science
(3 credits)

Select from the following

Credits	Course Discipline
3	Anthropology, Economics, Ethnic Studies, Geography, History, Political Science, Psychology, Sociology, Women's Studies

Humanities
(3 credits)

Select from the following

Credits	Course Discipline
3	Art, American Sign Language, Communication, English, Foreign Languages 111 or higher, Humanities, Literature, Music, Philosophy, Photography, Speech, Theatre

CCA General Education Requirements 15

Total Area Vocational School Credits .... up to 45
If credits transferred in equal less than 45, students must take enough credits to equal 60

A.A.S. DEGREE, APPLIED TECHNOLOGY,
   TOTAL REQUIRED CREDITS.. 60

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.

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 http://www.ago.state.co.us/post/Misdemeanors.pdf.

   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 (excluding traffic ticket offenses except DUI, DWAI and Reckless Driving), to include shoplifting or disturbing the peace. 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.

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.

7. CANNOT have more than six points on your driving record at the time of application to the academy.

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 Accuplacer assessment test, conducted on the CCA campus (check with the Learning Resource

Center for times and location) with a score of 84 or higher on the written and reading portions, or show similar proof of English reading and writing proficiency by a transcript of relevant completed English college-level courses (ENG 121 or higher) 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, pre-existing injuries, communicable conditions or physical or emotional conditions, not currently protected under the ADA, 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 merely 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 condition and appear to be able to engage in moderately strenuous physical exercise and training.

14. MUST be at least 21 years of age by the completion date of the academy.

Certain other conditions apply. For more information call the Academy Program Director at 303-340-7211, or send an email with your questions to: michael.carter@ccaurora.edu

Graduates of the Aurora Police Academy and the Basic Law Enforcement Training Academy will receive credit for the following courses:

Course #	Credits	Course Title
LEA 101	6	Basic Police Academy I
LEA 102	12	Basic Police Academy II
LEA 105	8	Basic Law
LEA 106	3	Arrest Control Techniques
LEA 107	3	Law Enforcement Driving
LEA 108	3	Firearms
EMS 115	3	First Responder

POLICE ACADEMY CERTIFICATE
TOTAL REQUIRED CREDITS.. 38

Biotechnology Technician

CERTIFICATE

The Biotechnology Certificate is designed to prepare students to work as technicians in the biotech industry. The certificate program is also a valuable supplement to other educational programs in biology, chemistry, medical technology, or education. The certificate provides the minimal essential background for

students who are interested in careers in biomedical research. Students are strongly urged to work with the Biotech Department in planning their course of study. Register early, as space is limited.

Certificate Requirements: 34 credits

Course #	Credits	Course Title
BIO 111	5	General College Biology I
BIO 204	4	Microbiology
BIO 268	4	Methods in Cell Biology and Immunology
BIO 280	3	Biotechnology Internship
BIO 269	4	Nucleic Acid Techniques and Molecular Cloning
CHE 111	5	General College Chemistry I
CHE 112	5	General College Chemistry II
CHE 211L	1	Organic Chemistry I Lab
ENG 131	3	Technical Writing

BIOTECHNOLOGY RESEARCH AND DEVELOPMENT CERTIFICATE, TOTAL REQUIRED CREDITS 34

Business Technology

CERTIFICATE

This certificate is geared for people who are in transition and interested in learning additional skills needed to meet the demands of employers in the job market. A certificate in Business Technology prepares students with the job skills needed to enter or re-enter the workforce and to add to their career portfolios.

Business Technology Requirements: 25 credits
Take all of the following

Course #	Credits	Course Title
CIS 110	1	Introduction to the PC
CIS 115	3	Introduction to Computer Information Systems
CIS 118	3	Introduction to the PC Applications
CIS 161	1	Presentation Graphics I
CIS 128	3	Windows Complete
BUS 217	3	Business Communications and Report Writing
BUS 115	3	Introduction to Business
MAN 226	3	Principals of Management
MAR 160	3	Customer Service

Select 2 courses from the following

Course #	Credits	Course Title
COM 260	1	Listening at Work
COM 262	1	Communicating with Impossible People
COM 263	1	Conflict Resolution
COM 266	1	Decision Making

Course #	Credits	Course Title
COM 267	1	Team Work

Certificate Requirements.. 25

Business Technology Certificate
Electives: 9 credits

Select 9 credits from the following

Course #	Credits	Course Title
CIS 129	3	Advanced Windows
CIS 135	3	Completed PC Word Processing
CIS 145	3	Completed PC Database (Access)
CIS 155	3	PC Spreadsheet (Excel)
CIS 165	3	Complete Presentation Graphics (PP)
CIS 218	3	Advanced PC Applications
CIS 162	1	Advanced Presentation Graphics
CWB 205	3	Web Scripting
CNG 101	3	Introduction to Networking
CNG 160	3	Telecommunications
CNG 121	3	Computer Technician I-A+
CNG 122	3	Computer Technician II-A+
CSC 116	3	Logic and Program Design
CSC 154	3	Visual Basic.Net Programming
ACC 101	3	Fundamentals of Accounting
ACC 121	4	Principles of Accounting I
BUS 216	3	Legal Environment I
MAN 116	3	Principles of Supervision
MAN 200	3	Human Resources Management I
MAR 216	3	Principles of Marketing
CWB 110	3	Complete Web Authoring (HTML)

Certificate Electives.. 9

BUSINESS TECHNOLOGY CERTIFICATE
TOTAL REQUIRED CREDITS.. 34

Computer Administrative Assistant

CERTIFICATE

Administrative Assistant Required Courses

Course #	Credits	Course Title
CIS 135	3	Complete PC Word Processing
CIS 136	1	M/S Office Specialist Cert: Word
CIS 155	3	PC Spreadsheet Concepts
CIS 159	1	M/S Office Specialist Crt:Excel
CIS 165	3	Complete Presentation Graphics
CIS 169	1	M/S Office Specialist Crt:Powerpnt
BTE 225	3	Office Management
ACC 101	3	Fundamentals of Accounting

ADMINISTRATIVE ASSISTANT CERTIFICATE
TOTAL REQUIRED CREDITS.. 18

Computer Information Technologies

The objective of this program is to prepare students as entry-level employees in the selected emphasis area(s). The program provides a choice of the following emphasis areas: Computer Information Systems, Computer Programming, Management Information Systems, Networking, IT Tech and Support, and Web Development.

Only grades of C or better in courses with a CIS or CSC, CNG or CWB prefix will count toward a degree or certificate.

Computer Information Systems with Computer Information Emphasis

ASSOCIATE OF APPLIED SCIENCE

General Education
Requirements: 15 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
CIS 110	1	Introduction to the PC
CIS 115	3	Introduction to Computer Information Systems
BUS 217	3	Business Communication and Report Writing
MAT 121	4	College Algebra

General Education Credits 15

Degree Requirements:
12 credits

Course #	Credits	Course Title
CIS 128	3	PC Windows Complete
CIS 268	3	Systems Analysis and Design I
CNG 101	3	Introduction to Networking
CSC 116	3	Logic & Program Design

Degree Requirements.. 12

Emphasis Requirements:
10 credits

Select from the following

Course #	Credits	Course Title
CIS 118	3	Introduction to PC Applications
CIS 161	1	Presentation Graphics I
CIS 220	3	Fundamentals of Unix
CNG 130	3	PC Technology

Emphasis Requirements 10

Emphasis Electives:
23 credits

Select a minimum of 23 credits:

Course #	Credits	Course Title
ACC 122	4	Principles of Accounting II
CIS 124	3	Introduction to Operating Systems (DOS and Windows)
CIS 129	3	Advanced Windows (Power Users)
CIS 162	1	Advanced Presentation Graphics
CIS 218	3	Advanced PC Applications (Office)
CIS 232	3	Unix Shell Programming
CNG 121	4	Computer Technician I: A+
CNG 122	4	Computer Technician II: A+
CNG 131	3	Network Security Fundamentals
CNG 132	3	Principles of Information Security
CNG 160	3	Introduction to Telecommunications
CSC 154	3	Visual Basic.NET Program
CSC 160	4	Computer Science I (C++)
CSC 161	4	Computer Science II (C++)
CSC 225	4	Computer Architecture/ Assembly Language Programming
CSC 236	4	C# Programming
CSC 240	3	Java Programming
CWB 110	3	Complete Web Authoring (HTML)
CWB 130	3	Complete Web Edit. Tools (Editor)
CWB 162	3	Intro. to Imaging Editing (Photoshop)
CWB 205	3	Complete Web Scripting (Scripting Language)
CWB 245	3	Complete Web Animation: (Software)

Electives (minimum) 23

A.A.S. DEGREE, COMPUTER INFORMATION SYSTEMS
CIS EMPHASIS, TOTAL REQUIRED CREDITS.................... 60

Computer Information Systems with Management Information Emphasis

ASSOCIATE OF APPLIED SCIENCE

This emphasis is designed to prepare students for employment in the computer information field with an emphasis in business, management, and accounting skills.

General Education Requirements:
15 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
CIS 161	1	Presentation Graphics I
CIS 118	3	Introduction to PC Applications
BUS 217	3	Business Communication and Report Writing
MAT 121	4	College Algebra

General Education Credits 15

Degree Requirements:
12 credits

Course #	Credits	Course Title
CIS 128	3	PC Windows Complete
CIS 268	3	Systems Analysis and Design I
CNG 101	3	Introduction to Networking
CSC 116	3	Logic and Program Design

Degree Requirements... 12

Emphasis Requirements:
27 credits

Course #	Credits	Course Title
ACC 122	4	Principles of Accounting II
CIS 115	3	Introduction to Computer Information Systems
CIS 110	1	Introduction to the PC
CIS 218	3	Advanced PC Applications
CIS 162	1	Advanced Presentation Graphics
CIS 220	3	Fundamentals of Unix
CNG 130	3	PC Technology (Basic Hardware)
MAN 226	3	Principles of Management
MAN 242	3	Project Management: Tool & Techniques
MAN 289	3	Management Information Systems

Emphasis Requirements... 27

Emphasis Electives: 7
credits

Select a minimum of 7 credits

Course #	Credits	Course Title
CIS 124	3	Introduction to Operating Systems (DOS and Windows)
CIS 129	3	Advanced Windows (Power Users)
CIS 232	3	Unix Shell Programming
CIS 263	3	PC Help Desk Skills
CNG 131	3	Network Security Fundamentals
CNG 132	3	Principles of Information Security
CNG 160	3	Introduction to Telecommunications
CSC 154	3	Introduction to MS Visual Basic.NET
CSC 160	4	Computer Science I (C++)
CSC 225	4	Computer Architecture/ Assembly Language Programming
CSC 236	4	C# Programming
CSC 240	3	Java Programming
CWB 110	3	Complete Web Authoring (HTML)
CWB 130	3	Complete Web Edit. Tools (Dreamweaver)

| CWB 205 | 3 | Complete Web Scripting (Java) |
| CWB 245 | 3 | Complete Web Animation (Flash) |

Electives (minimum) **7**

A.A.S. DEGREE, COMPUTER INFORMATION SYSTEMS MANAGEMENT INFORMATION SYSTEMS EMPHASIS TOTAL REQUIRED CREDITS.. **61**

Computer Information Systems with Web Development Emphasis

ASSOCIATE OF APPLIED SCIENCE

This area of emphasis is designed to prepare the student for an entry-level position in Internet or Web development.

General Education Requirements: 15 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
CIS 110	1	Introduction to the PC
CIS 115	3	Introduction to Computer Information Systems
BUS 217	3	Business Communication and Report Writing
MAT 121	4	College Algebra

General Education Credits **15**

Degree Requirements: 12 credits

Course #	Credits	Course Title
CIS 128	3	Windows Complete
CIS 268	3	Systems Analysis and Design I
CNG 101	3	Introduction to Networking
CSC 116	3	Logic and Program Design

Degree Requirements.. **12**

Emphasis Requirements: 26 credits

Course #	Credits	Course Title
CIS 118	3	Introduction to PC Applications
CIS 161	1	Presentation Graphics I: (Software)
CIS 145	3	Complete PC Database
CSC 154	3	Intro. to MS Visual Basic.NET (OOP)
CSC 157	4	Adv. Visual Basic.NET Programming
CWB 110	3	Complete Web Authoring (HTML)
CWB 130	3	Web Editing Tools: (Dreamweaver)
CWB 205	3	Complete Web Scripting (Java)
CWB 245	3	Complete Web Animation: (Flash)

Emphasis Requirements Credits **26**

Emphasis Electives: 9 credits

Course #	Credits	Course Title
CIS 220	3	Fundamentals of Unix
CNG 130	3	PC Technology
CWB 162	3	Introduction to Image Editing: Photoshop

Electives (minimum) **9**

A.A.S. DEGREE, COMPUTER INFORMATION SYSTEMS WEB DEVELOPMENT EMPHASIS TOTAL REQUIRED CREDITS.. **62**

Computer Information Systems

CERTIFICATE

This certificate prepares students for employment in the computer information field. The certificate allows for specialty areas of study within the computer information systems discipline. Students may select a course of study from networking, programming, and Web development.

Certificate Requirements: 17 credits

Select from the following

Course #	Credits	Course Title
CIS 110	1	Introduction to the PC
CIS 115	3	Introduction to Computer Information Systems
CIS 118	3	Introduction to PC Applications (Office)
CIS 161	1	Presentation Graphics I
CIS 128	3	PC Windows Complete
CNG 101	3	Introduction to Networking
CSC 116	3	Logic and Program Design

Required Credits **17**

Electives: 9 credits

Select a minimum of 9 credits

Course #	Credits	Course Title
CIS 218	3	Advanced PC Applications (Office)
CIS 162	1	Advanced Presentation Graphics
CNG 131	3	Network Security Fundamentals
CNG 160	3	Introduction to Telecommunications
CSC 154	3	Introduction to MS Visual Basic.NET
CSC 240	3	Java Programming
CWB 130	3	Complete Web Edit. Tools (HTML)
CWB 245	3	Complete Web Animation: (Flash)

Certificate Elective Credits (minimum)..................................... **9**

COMPUTER INFORMATION SYSTEMS CERTIFICATE, TOTAL CREDITS.. **26**

Linux / Unix System Administrator

This certificate program prepares students as entry-level Unix or Linux administrators. Graduates can configure, troubleshoot, and install Unix/Linux and create networks of machines running Unix/Linux.

Certificate Requirements: 12 credits

Course #	Credits	Course Title
CIS 220	3	Fundamentals of Unix
CIS 222	3	Unix: (Linux) System Administrator
CIS 232	3	Advanced Unix: Unix Shell Programming
CNG 101	3	Introduction to Networking

Electives: 4 credits

Choose from approved general education or computer courses

Electives 4

LINUX/UNIX SYSTEMS ADMINISTRATION CERTIFICATE,
   TOTAL REQUIRED CREDITS... 16

PC Applications Specialist

This certificate program prepares students for careers as micro-computer specialists with an emphasis in applications software, integration, and application programming.

Certificate Requirements: 11 credits

Course #	Credits	Course Title
CIS 118	3	Introduction to PC Applications
CIS 161	1	Presentation Graphics I
CIS 128	3	PC Windows Complete
CIS 218	3	Advanced PC Applications (Office)
CIS 162	1	Presentation Graphics II

Electives: 5 credits

Choose from approved general education or computer courses

Electives 5

PC APPLICATION SPECIALIST CERTIFICATE,
   TOTAL REQUIRED CREDITS... 16

Web Development

This certificate prepares students as entry-level Web developers. Graduates can analyze, design, implement, and support web applications. This program is intended to provide students with broad exposure to web development.

Certificate Requirements: 18 credits

Course #	Credits	Course Title
CSC 116	3	Logic and Program Design
CWB 205	3	Complete Web Script
CSC 125	3	Programming for the Internet
CWB 164	3	XML
CWB 204	3	Cascading Style Sheets
CWB 206	3	Web Data Base

WEB DEVELOPMENT CERTIFICATE,
   TOTAL REQUIRED CREDITS... 18

Computer Information Systems with IT Tech and Support Emphasis

This program prepares students as entry-level computer specialists. Graduates can configure and repair personal computers and peripherals, install and use both operating systems and application software packages, and gain a basic understanding of networking concepts.

General Education Requirements: 15 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
CIS 110	1	Introduction to the PC
CIS 115	3	Introduction to Computer Information Systems
BUS 217	3	Business Communication and Report Writing
MAT 121	4	College Algebra

General Education Credits 15

Degree Requirements: 12 credits

Course #	Credits	Course Title
CIS 128	3	PC Windows Complete
CIS 268	3	Systems Analysis and Design I
CNG 101	3	Introduction to Networking
CSC 116	3	Logic and Program Design

Degree Requirements... 12

Emphasis Requirements: 21 credits

Course #	Credits	Course Title
CIS 118	3	Introduction to PC Applications
CIS 161	1	Presentation Graphics I
CIS 124	3	Introduction to Operating Systems (DOS and Windows)
CIS 220	3	Fundamentals of Unix
CIS 263	3	PC Help Desk Skills
CNG 121	4	Computer Technician I: A+
CNG 122	4	Computer Technician II: A+

Emphasis Requirements Credits 21

Emphasis Electives: 12 credits

Select a minimum of 12 credits

Course #	Credits	Course Title
CIS 129	3	Advanced Windows (Power Users)
CIS 218	3	Advanced PC Applications (Office)
CIS 162	1	Advanced Presentation Graphics
CIS 222	3	Unix (Linux) System Administrator
CIS 232	3	Unix Shell Programming
CNG 130	3	PC Technology
CNG 131	3	Network Security Fundamentals
CNG 132	3	Principles of Information Security
CNG 160	3	Introduction to Telecommunications

Electives (minimum) 12

A.A.S. DEGREE, COMPUTER INFORMATION SYSTEMS COMPUTER SUPPORT EMPHASIS, TOTAL REQUIRED CREDITS... 60

Computer Information Systems with Networking Emphasis

ASSOCIATE OF APPLIED SCIENCE

This degree program prepares students with the general entry level skills and knowledge requisite to establish and monitor local area networks and offers a brief introduction to wide area networks. The CCA Networking emphasis program provides students with a tier one skill-set sought by employers hiring network engineer technicians. The program is intended to provide an overall or broad exposure to networks without concentrating on any specific proprietary certification.

General Education Requirements: 15 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
CIS 110	1	Introduction to the PC
CIS 115	3	Introduction to Computer Information Systems
BUS 217	3	Business Communication and Report Writing
MAT 121	4	College Algebra

General Education Credits 15

Degree Requirements: 12 credits

Course #	Credits	Course Title
CIS 128	3	PC Windows Complete
CIS 268	3	Systems Analysis and Design I
CNG 101	3	Introduction to Networking
CSC 116	3	Logic and Program Design

Degree Requirements.. 12

Emphasis Requirements: 12 credits

Course #	Credits	Course Title
CIS 220	3	Fundamentals of Unix
CNG 130	3	PC Technology (Basic Hardware)
CNG 131	3	Network Security Fundamentals
CNG 160	3	Telecommunications I

Emphasis Requirements 12

Emphasis Electives: 21 credits

Course #	Credits	Course Title
ACC 122	4	Principles of Accounting II
CIS 124	3	Introduction to Operating Systems (DOS and Windows)
CIS 129	3	Advanced Windows (Power Users)
CIS 222	3	Unix: (Linux) System Administrator
CIS 232	3	Unix Shell Programming
CIS 263	3	PC Help Desk Skills
CNG 132	3	Principles of Information Security

Emphasis Electives (minimum) 21

A.A.S. DEGREE, COMPUTER INFORMATION SYSTEMS NETWORKING EMPHASIS, TOTAL REQUIRED CREDITS... 60

A+

CERTIFICATE

Certificate Requirements: 8 credits

Course #	Credits	Course Title
CNG 121	4	Computer Technician I: A+
CNG 122	4	Computer Technician II: A+

Electives: 8 credits

Choose from approved general education or computer courses

Electives……………………… ....…………………………8

A+ CERTIFICATE, TOTAL REQUIRED CREDITS...................... 16

CISCO

Game Programming I Required Courses

CNG 260	5	CISCO Network Associate I
CNG 261	5	CISCO Network Associate II
CNG 262	5	CISCO Network Associate III
CNG 263	5	CISCO Network Associate IV

CISCO CERTIFICATE TOTAL REQUIRED CREDITS................ 20

IT Tech and Support

CERTIFICATE

This certificate program prepares students as entry-level computer specialists. Graduates can configure and repair personal computers and peripherals and install and use PC operating systems and application software.

Certificate Requirements: 16 credits

Course #	Credits	Course Title
CIS 118	3	Introduction to PC Applications
CIS 161	1	Presentation Graphics I
CIS 128	3	PC Windows Complete
CIS 220	3	Fundamentals of Unix
CIS 263	3	PC Help Desk Skills
CNG 130	3	PC Technology

COMPUTER SERVICE TECHNICIAN CERTIFICATE, TOTAL REQUIRED CREDITS... 16

Beginning Networking / Security

CERTIFICATE

This certificate program prepares students with the general entry level skills and knowledge requisite to securely establish and monitor local area networks and offers a brief introduction to wide area networks. The program is intended to provide an overall or broad exposure to networks and their security issues without concentrating on any specific proprietary certification.

Certificate Requirements: 9 credits

Course #	Credits	Course Title
CNG 101	3	Introduction to Networking
CNG 131	3	Network Security Fundamentals
CNG 132	3	Principals of Information Security

Electives: 7 credits

Choose from approved general education or computer courses

Electives 7

BEGINNING NETWORKING/SECURITY CERTIFICATE TOTAL REQUIRED CREDITS.. 16

Computer Information Systems with Programming Emphasis

ASSOCIATE OF APPLIED SCIENCE

The objective of this degree is to prepare students with the skills necessary for entry-level programming positions.

General Education Requirements: 15 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
CIS 110	1	Introduction to the PC
CIS 115	3	Introduction to Computer Information Systems
BUS 217	3	Business Communication and Report Writing
MAT 121	4	College Algebra

General Education Credits 15

Degree Requirements: 12 credits

Course #	Credits	Course Title
CIS 128	3	PC Windows Complete
CIS 268	3	Systems Analysis and Design I
CNG 101	3	Introduction to Networking
CSC 116	3	Logic and Program Design

Degree Requirements... 12

Emphasis Requirements: 16 credits

Course #	Credits	Course Title
CSC 154	3	Introduction to MS Visual Basic.Net
CSC 157	4	Advanced Visual Basic.Net Programming
CSC 230	3	C Language Programming
CIS 220	3	Fundamentals of Unix
CIS 232	3	Unix Shell Programming

Emphasis Requirements 16

Emphasis Electives: 17 credits

Select a minimum of 17 credits

Course #	Credits	Course Title
CSC 160	4	Computer Science I: (Language)
CSC 161	4	Computer Science II: (Language)
CSC 225	4	Computer Architecture/ Assembly Language Programming
CIS 222	3	Unix (Linux) System Administrator
CSC 231	3	Advanced C Language Programming
CSC 240	3	Java Programming

CSC 241	3	Advanced Java Programming
CSC 236	4	C# Programming
CSC 237	4	Advanced C# Programming

Emphasis Electives (minimum) 17

A.A.S. DEGREE, COMPUTER INFORMATION SYSTEMS PROGRAMMING EMPHASIS, TOTAL REQUIRED CREDITS 60

C Language Programming

This certificate program is designed to provide students with the C Language Programming skills necessary for entry level C Language programming positions in industry.

Certificate Requirements: 9 credits

Select from the following

Course #	Credits	Course Title
CSC 116	3	Logic and Program Design
CSC 230	3	C Programming: Platform
CSC 231	3	Advanced C Programming: Platform

Electives: 7 credits

Choose from approved general education or computer courses

Electives 7

C LANGUAGE CERTIFICATE, TOTAL REQUIRED CREDITS 16

Computer Science

Certificate Requirements: 11 credits

Course #	Credits	Course Title
CSC 116	3	Logic and Program Design
CSC 160	4	Computer Science I: C++
CSC 161	4	Computer Science II: C++

Electives: 5 credits

Choose from approved general education or computer courses

Electives 5

COMPUTER SCIENCE CERTIFICATE, TOTAL REQUIRED CREDITS 16

Game Programming I

Game Programming I Required Courses

Course #	Credits	Course Title
CSC 116	3	Logic and Program Design
CSC 126	3	Game Design and Development
CSC 154	3	Intro to MS Visual Basic
CSC 160	4	Computer Science I (C++)
CSC 240	3	Java Programming

GAME PROGRAMMING I CERTIFICATE TOTAL REQUIRED CREDITS 16

Java Language Programming

This certificate program is designed to provide students with the Java programming skills necessary for entry-level Java programming position in industry.

Certificate Requirements: 9 credits

Course #	Credits	Course Title
CSC 116	3	Logic and Program Design
CSC 240	3	Java Programming
CSC 241	3	Advanced Java Programming

Electives: 7 credits

Choose from approved general education or computer courses

Electives 7

JAVA LANGUAGE PROGRAMMING CERTIFICATE, TOTAL REQUIRED CREDITS 16

Programming

This certificate program is designed to provide students with the programming skills necessary for entry-level programming positions in the industry.

Certificate Requirements: 6 credits

Course #	Credits	Course Title
CIS 220	3	Fundamentals of Unix
CSC 116	3	Logic and Program Design

Required credits 6

Programming Electives: 12 credits
Select a minimum of 12 Credits

Course #	Credits	Course Title
Note: One advanced programming class is required. CIS 232 does not satisfy this advanced programming requirement.		
CIS 232	3	Advanced Unix: Unix Shell Programming
CSC 154	3	Introduction to MS Visual Basic.NET
CSC 157	4	Advanced Visual Basic.NET Program
CSC 160	4	Computer Science I (Language)
CSC 161	4	Computer Science II (Language)
CSC 225	4	Computer Architecture/ Assembly Language Programming
CSC 230	3	C Language Programming: (Platform)
CSC 231	3	Advanced C Language Programming: (Platform)
CSC 236	4	C# Programming
CSC 237	4	Advanced C# Programming
CSC 240	3	Java Programming
CSC 241	3	Advanced Java Programming

Total Electives (minimum)... 12

PROGRAMMING CERTIFICATE,
   TOTAL REQUIRED CREDITS.. 18

Visual Basic Language Programming

CERTIFICATE

This certificate program is designed to provide students with the Visual Basic.Net programming skills necessary for entry-level Visual Basic.Net programming positions in industry.

Certificate Requirements: 10 credits

Course #	Credits	Course Title
CSC 116	3	Logic and Program Design
CSC 154	3	Introduction to MS Visual Basic.NET
CSC 157	4	Advanced Visual Basic.Net Programming

Electives: 6 credits
Choose from approved general education or computer courses

Electives 6

VISUAL BASIC CERTIFICATE,
   TOTAL REQUIRED CREDITS.. 16

Criminal Justice

The Criminal Justice programs are designed for students whose objectives are to obtain AAS degrees or certificates in pursuit of upgrading, or employment in the areas of corrections, courts, and law enforcement.

Working in the law enforcement or criminal justice field demands individuals of high character and ability. Students considering careers in the criminal justice field, please note that, by law, those with prior felony and certain misdemeanor convictions, including those involving theft, moral turpitude, domestic violence, and other crimes against persons, cannot apply for law enforcement positions or the academy, but may be eligible to work in the fields of counseling, mediation, private security, and other legal fields under certain conditions.

FOR PRIVATE SECURITY EMPHASIS, PLEASE SEE "SECURITY OFFICER SPECIALIST"

Criminal Justice

ASSOCIATE OF APPLIED SCIENCE

General Education Requirements: 18 credits

English
(6 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 131	3	Technical Writing I

Science
(3 credits)

Course #	Credits	Course Title
ANT 201	3	Introduction to Forensic Anthropology

Social and Behavioral Sciences
(6 credits)

Course #	Credits	Course Title
POS 111	3	American Government
OR		
POS 125	3	American State and Local Government
AND		
SOC 101	3	Introduction to Sociology
OR		
PSY 101	3	General Psychology I

Communication
(3 credits)

Course #	Credits	Course Title
COM 115	3	Public Speaking
OR		
COM 125	3	Interpersonal Communication

General Education Required Credits....................................... 18

Criminal Justice General Education Requirements: 36 credits

Students must complete the following courses

Course #	Credits	Course Title
CRJ 110	3	Introduction to Criminal Justice
CRJ 111	3	Substantive Criminal Law
CRJ 112	3	Procedural Criminal Law
CRJ 125	3	Law Enforcement Operations
CRJ 135	3	Judicial Functions
CRJ 145	3	Correctional Process
CRJ 210	3	Constitutional Law
CRJ 220	3	Human Relations and Social Conflicts
CRJ 230	3	Criminology
PSM 132	3	Threat/Vulnerability Assessment and Counterintelligence
PSM 133	3	Homeland Security: WMD
PSM 204	3	Terrorism

Degree Credits **36**

Criminal Justice Electives: 6 credits

Students must complete an additional 6 credit hours from any of the remaining criminal justice courses

For information on transferability of Law Enforcement Training Academy credits to this degree, contact the Chair.

Course #	Credits	Course Title
LEA 103	2	Basic Law Enforcement Academy III
LEA 104	1	Basic Law Enforcement Academy IV
LEA 109	2	Culture and Conflict Resolution
LEA 118	3	Report Writing
LEA 126	3	Patrol Procedures
CRJ 127	3	Crime Scene Investigation
CRJ 141	2	Introduction to Industrial Security
CRJ 150	3	Victims of Crime and Trauma
CRJ 151	3	Domestic Violence
CRJ 216	3	Juvenile Law and Procedure
CRJ 239	3	Managing Emergency Worker Stress
LEA 240	3	Criminal Investigation
LEA 241	3	Security of Specialized Facilities
CRJ 245	3	Interviewing and Interrogation
LEA 246	3	Traffic Investigation and Management
LEA 260	3	Police Photography
CRJ 264	3	Practical Homicide Crime Scene Investigation
CRJ 275	1-12	Special Topics
CRJ 285	1-12	Independent Study
CRJ 286	1-12	Directed Studies
MED 101	3	Introduction to Mediation

Total Electives.. **6**

A.A.S. DEGREE, CRIMINAL JUSTICE
    TOTAL REQUIRED CREDITS... **60**

Criminal Justice Community Policing

Certificate Requirements: 12 credits

Course #	Credits	Course Title
CRJ 110	3	Introduction to Criminal Justice
CRJ 119	3	Legal and Ethical Concepts
CRJ 125	3	Law Enforcement Operations
CRJ 220	3	Human Relations and Social Conflicts

CRIMINAL JUSTICE COMMUNITY POLICING CERTIFICATE
    TOTAL REQUIRED CREDITS... **12**

Criminal Justice Detention

Certificate Requirements: 12 credits

Course #	Credits	Course Title
CRJ 146	3	Community Based Corrections
CRJ 215	3	Constitutional Rights of Inmates
CRJ 225	3	Crisis Intervention
CRJ 256	3	Classification and Treatment of Offenders

CRIMINAL JUSTICE DETENTION CERTIFICATE
    TOTAL REQUIRED CREDITS... **12**

Criminal Justice Law

Certificate Requirements: 12 credits

Course #	Credits	Course Title
CRJ 110	3	Introduction to Criminal Justice
CRJ 111	3	Substantive Criminal Law
CRJ 112	3	Procedural Criminal Law
CRJ 210	3	Constitutional Law

CRIMINAL JUSTICE LAW CERTIFICATE
    TOTAL REQUIRED CREDITS... **12**

Criminal Justice Operations

CERTIFICATE

Certificate Requirements: 12 credits

Course #	Credits	Course Title
CRJ 110	3	Introduction to Criminal Justice
CRJ 125	3	Law Enforcement Operations
CRJ 135	3	Judicial Functions
CRJ 145	3	Corrections

CRIMINAL JUSTICE OPERATIONS CERTIFICATE
TOTAL REQUIRED CREDITS.. 12

Criminal Justice Systems

CERTIFICATE

Certificate Requirements: 12 credits

Course #	Credits	Course Title
CRJ 110	3	Introduction to Criminal Justice
CRJ 119	3	Legal and Ethical Concepts
CRJ 220	3	Human Relations and Social Conflicts
CRJ 230	3	Criminology

CRIMINAL JUSTICE SYSTEMS CERTIFICATE
TOTAL REQUIRED CREDITS.. 12

> ## The Diesel Degree and Certificate are not currently being offered at CCA

Diesel Power Mechanics

The Diesel Power Mechanics program trains entry-level diesel technicians for any industries were 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 303-340-7246.

This program is not restricted to students working in the field but is restricted in class size. A maximum of 25 students will be allowed to start. The Wagner Equipment Apprenticeship Program has priority in filling the AAS degree. Any open slots after the Wagner registration will then be filled to a maximum of 25 students. Any qualifying student turned away from the daytime program may sign up for the night certificate program and still complete the AAS degree.

The Diesel Power Mechanics AAS Degree is a 2 year program that has been condensed into a very fast paced twelve-month program. The Program starts in early July of each year. Students will graduate the following year. The 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 AAS Degree Program will be filled on a first come first serve basis with a maximum of 25 students. For more details or an information package, contact the diesel admin office at 303-340-7070 or 7076.

Diesel Power Mechanics

ASSOCIATE OF APPLIED SCIENCE

General Education Requirements: 16 credits

Course #	Credits	Course Title
ENG 131	3	Technical Writing I
ENG 132	3	Technical Writing II
MAT 107	3	Career Mathematics
COM 125	3	Interpersonal Communications
CIS 110	1	Introduction to Computers
CIS 115	3	Introduction to Computer Information Systems

General Education Credits 16

Degree Requirements: 44 credits

Course #	Credits	Course Title
DPM 101	2	Diesel Shop Safety
DPM 100	2	Introduction to Diesel Mechanics
DPM 105	3	H/D Powertrain I
DPM 205	3	H/D Powertrain II
DPM 207	3	H/D Brakes II
DPM 140	3	H/D Steering and Suspension I
DPM 121	3	Hydraulic Systems I
DPM 122	3	Hydraulic Systems II
ASE 120	2	Basic Electricity
ASE 123	2	Battery/Starting/Charging
ASE 221	4	Vehicle Electrical
DPM 103	4	Diesel Engines I
DPM 203	4	Diesel Engines II

DPM 106	3	Diesel Fuel Systems
DPM 210	1	Diesel Air Induction
DPM 111	3	Preventive Maintenance I

Degree required credits **45**

A.A.S. DEGREE, DIESEL POWER MECHANICS SERVICE TECHNICIAN TOTAL REQUIRED CREDITS **61**

The diesel certificate program is designed for the student that wants the diesel education without the required general education courses or they have completed general education prior the entering the diesel program. The program is designed for students that work a full time job during the day but wish to continue their education in the evenings. Proficiency in college-level mathematics, reading and sentence skills is mandatory. Students may transfer their certificate credits into the degree program with the addition of hydraulics and general education classes. For more details or an information package, contact the diesel admin office at 303-340-7070 or 7076.

Diesel Power Mechanics

CERTIFICATE

This certificate program is taught at night for three semesters, starting spring semester.

Degree Requirements: 42 credits

Course #	Credits	Course Title
ASE 120	2	Basic Electricity
ASE 123	2	Battery/Starting/Charging
ASE 221	4	Vehicle Electrical
DPM 101	2	Diesel Shop Orientation
DPM 100	2	Introduction to Diesel Mechanics
DPM 103	4	Diesel Engines I
DPM 203	4	Diesel Engines II
DPM 105	3	H/D Powertrain I
DPM 205	3	H/D Powertrain II
DPM 106	3	Diesel Fuel Systems
DPM 111	3	Preventive Maintenance I
DPM 140	3	H/D Steering and Suspension I
DPM 206	3	Heavy Duty Brakes I
DPM 207	3	H/D Brakes II
DPM 210	1	Diesel Air Induction

Degree required credits **42**

DIESEL POWER MECHANICS SERVICE TECHNICIAN CERTIFICATE, TOTAL REQUIRED CREDITS **42**

Digital Sculpture and Modeling

CERTIFICATE

This certificate prepares students for entry level work in the industries of digital sculpture and modeling. The curriculum introduces students to tools and techniques essential in the commercial and artistic practice of digital 3D sculpture and design. Skills can be applied to 3D modeling for medial, forensic, architectural, gaming, graphic design and legal industries.

Certificate Requirements: 18 credits

Course #	Credits	Course Title
MGD 119	3	Maya 1
MGD 122	3	Sculpting for Digital Media
MGD 125	3	3D Modeling for Gaming
ART 132	3	Visual Concepts 3D Design
MGD 219	3	Maya 2
ART 258	3	Computer Animation

DIGITAL SCULPTURE AND MODELING, TOTAL REQUIRED CREDITS **18**

Early Childhood Education

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.

Early Childhood Education

ASSOCIATE OF APPLIED SCIENCE

General Education Requirements: 25 credits

English
(6 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Mathematics/Science
(7 credits)*

Course #	Credits	Course Title
MAT 155	3	Integrated Math I
OR		
MAT 156	3	Integrated Math II
AND		
SCI 155	4	Integrated Science I
OR		
SCI 156	4	Integrated Science II

Social and Behavioral Sciences
(6 credits)

Select 2 of the following

Course #	Credits	Course Title
GEO 105	3	World Regional Geography
HIS 201	3	U.S. History to Reconstruction
POS 111	3	American Government

Art/Humanities
(3 credits)

Choose any Art or Humanities GT class

Additional General Education Requirements: 3 credits

***Select 1 course from the following**

Credits	Course Discipline
3	LIT 115, LIT 255, POS 111

General Education Credits **25**

Degree Requirements: 30 credits

Course #	Credits	Course Title
ECE 101	3	Intro. to Early Childhood Education
ECE 102	3	Introduction to ECE Lab Techniques
ECE 103	3	Guidance Strategies for Children
ECE 205	3	Nutrition, Health, and Safety
ECE 220	3	Curriculum Development: Methods & Techniques
ECE 240	3	Administration of Early Childhood Care and Education Programs
ECE 241	3	Administration: Human Relations for the Early Childhood Professions
ECE 260	3	The Exceptional Child
ECE 288	3	Practicum: Early Childhood Education
PSY 238	3	Child Development

Required Degree Credits **30**

Degree Electives: 6 credits**

Select 6 hours from ECE/EDU courses

Early Childhood Education Elective Credits **6**

A.A.S. DEGREE, EARLY CHILDHOOD EDUCATION, TOTAL REQUIRED CREDITS **61**

*See an advisor for transfer requirements.
** Each course may apply only once toward degree requirements.

Early Childhood Education: Director

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 30 credits of Childhood Education courses to satisfy the academic requirement. The Division of Child Care also requires 3640 hours (24 months) of experience working directly with children under first grade in a child development program.

Certificate Requirements: 27 credits

Course #	Credits	Course Title
ECE 101	3	Introduction to Early Childhood Professions
ECE 102	3	Introduction to ECE Lab Techniques
ECE 103	3	Guidance Strategies for Young Children
ECE 205	3	Nutrition, Health, and Safety
ECE 220	3	Curriculum Development: Methods and Techniques
ECE 240	3	Administration of EC Care and Educational Programs
ECE 241	3	Administration: Human Relations for EC Professions
ECE 260	3	The Exceptional Child
PSY 238	3	Child Development

Required Certificate Credits **27**

Degree Elective: 3 credits

Select one course from the list below

ECE 111	3	Infant and Toddler Theory and Practice
ECE 226	3	Creativity and the Young Child
ECE 228	3	Language and Literacy
ECE 256	3	Working with Parents, Families and Community Systems

Total Electives **3**

EARLY CHILDHOOD EDUCATION DIRECTOR CERTIFICATE, TOTAL REQUIRED CREDITS **30**

Early Childhood Education: Group Leader

The Group Leader 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 child care providers in

a licensed setting. Students must complete 15 credit hours of required Early Childhood Education courses to satisfy the academic requirements. Division of Child Care requires 1395 hours (nine months) of work experience in a group care environment.

Certificate Requirements: 15 credits

Course #	Credits	Course Title
ECE 101	3	Introduction to Early Childhood Education
ECE 102	3	Introduction to EC Lab Techniques
ECE 103	3	Guidance Strategies for Children
ECE 220	3	Curriculum Development: Methods and Techniques
PSY 238	3	Child Development

EARLY CHILDHOOD EDUCATION GROUP LEADER CERTIFICATE TOTAL REQUIRED CREDITS 15

Engineering

GENERAL EDUCATION COURSES

STATE RECOGNIZED GENERAL EDUCATION COURSES FOR ENGINEERING TRANSFER DISTINCTION*

State Recognized General Education for Engineering

The courses listed in each category below are eligible for transfer. The student must contact the institution to which they are transferring to determine which courses in each category apply to the degree requirements for a particular program. Those applicable courses, as determined by the institution to which the student is transferring, are guaranteed for transfer. See institution to which you are transferring for applicable courses.

Mathematics

Course #	Credits	Course Title
MAT 201		Calculus I
MAT 202		Calculus II
MAT 203		Calculus III
MAT 215		Discrete Math
MAT 265		Differential Equations
MAT 255		Linear Algebra

Science

Course #	Credits	Course Title
PHY 211		Calculus-Based Physics I
PHY 212		Calculus-Based Physics II
CHE 111		College Level Chemistry I/ lab
CHE 112		College Level Chemistry II/ lab
BIO 111		Biology I /lab
BIO 112		Biology II /lab

Arts /Humanities and Social/Behavioral Sciences

Consult institution to which you are transferring for specific recommendations

Communications

Consult institution to which you are transferring for specific recommendations

Electives

Additional transfers in the engineering major, supporting courses and electives will be handled on a case-by-case basis in accordance with the transfer policies in force at each institution.

Section II: Advising Practice

Students are responsible for contacting an advisor at the transferring and destination institutions. Transfer students will be advised with the objective of assuring the continued success of transfer students in engineering programs.

Section III: Transfer of Credit

A. Grade Eligibility

Only academic courses with a letter grade of "C-" or better will be accepted for transfer, though competitive admissions standards may require minimum grades of "B" in science, mathematics, and engineering courses.

B. Treatment of advanced placement, national standardized test scores, and other non-traditional methods of awarding credit.

Students who have earned acceptable scores on Advanced Placement (AP) or have earned an International Baccalaureate (IB) diploma may be awarded college credit at the destination institution. College credit that is granted will be recorded on a student's transcript in accordance with the destination institution's grade policy, and will count toward graduation if the AP or IB courses are consistent with that institution's graduation requirements. If students have questions regarding the transfer of AP or IB credit, they should see their advisor at the destination institution.

C. Statute of Limitations

The destination college or university will accept all approved credits earned within ten years of transfer, provided that course content has not changed substantially within that time period. Credits earned more than ten years earlier may be evaluated on a case-by-case basis.

Essential Skills for the Workplace

Certificate Requirements: 21 credits

Course #	Credits	Course Title
PSY 275	1	Special Topics
COM 263	1	Conflict Resolution
COM 266	1	Decision Making
PSY 204	1	Relationship: Challenges and Choices
CIS 135	3	Complete PC Word Processing
CIS 128	3	Windows Complete
BTE 100	1	Computer Keyboarding
MAR 158	1	Basic Customer Service
PSY 110	3	Career Development
CIS 155	3	Spreadsheet Concepts
CIS 145	3	PC Database

Electives: 3 credits

Choose from ACC, BUS, CIS, CRJ, PSY, ECE or other approved electives

ESSENTIAL SKILLS CERTIFICATE
TOTAL REQUIRED CREDITS.. 24

Film Video Media

The Film Video Media program is designed for students seeking professional preparation for careers in Film Video and related industries. Upon completion of degree requirements, students will be prepared for employment in the television, industrial video, network, cable, and internet production, commercial production, educational video, and feature film production industries.

Film Video Media

General Education Requirements: 15 credits

English
(6 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Social Science
(3 credits)

Course #	Credits	Course Title
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II

Arts, Humanities, Social Science
(6 credits)

Select two of the following

Course #	Credits	Course Title
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
COM 115	3	Public Speaking
COM 125	3	Interpersonal Communication
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
THE 111	3	Acting I

General Education Credits 15

Common Core

Students entering into the Film Video Media Program are first required to take the common core certificate classes. Upon completion of the core, students proceed to their degree or certificate emphasis.

Film Video Common Core
(15 credits)

Course #	Credits	Course Title
FVM 105	3	Video Production I
FVM 117	3	Understanding the Actor's Process
FVM 136	3	Short Script Analysis
FVM 150	3	Development of Film Expression
FVM 160	3	Video Post Production I

Film Video Media: Cinematography Videography Emphasis

Cinematography Videography Emphasis: 30 credits

Course #	Credits	Course Title
FVM 153	3	Introduction to Film Production
FVM 181-FVM 188	3	Topics in Film Studies
FVM 185	3	The Documentary Film
FVM 200	3	Video Production II
FVM 205	3	Camera Techniques
FVM 206	3	Film Video Lighting
FVM 213	3	Cinematography
FVM 220	3	16mm/HD Production
FVM 273	3	Professional Documentary Production
FVM 287	3	Industry Internship

Videography Cinematography Emphasis Required Credits **45**

A.A.S. DEGREE, FILM VIDEO MEDIA CINEMATOGRAPHY VIDEOGRAPHY EMPHASIS, TOTAL REQUIRED CREDITS.. **60**

Film Video Media: Video Post-Production Emphasis

Video Post-Production Emphasis: 30 credits

Course #	Credits	Course Title
MGD 111	3	Adobe Photoshop I
MGD 141	3	Web Design: Dreamweaver
FVM 164	3	Digital Editing: Final Cut Pro
FVM 165	3	Introduction to Digital Editing: Avid
FVM 208	3	Sound for Film Video
FVM 248	3	Post Production Sound
MGD 143	3	Motion Graphic Design I
FVM 215	3	Video Post Production II
FVM 264	3	Digital Effects
FVM 287	3	Industry Internship

Video Post-Production Emphasis Required Credits **45**

A.A.S. DEGREE, FILM VIDEO MEDIA VIDEO POST-PRODUCTION EMPHASIS, TOTAL REQUIRED CREDITS.. **60**

Film Video Media: Writing Directing Emphasis

Writing Directing Emphasis: 30 credits

Course #	Credits	Course Title
FVM 202	3	Film Video Business
FVM 155	3	Writing the Short Script
FVM 181-FVM 188	3	Topics in Film Studies
FVM 200	3	Video Production II
FVM 205 **OR**	3	Camera Techniques
FVM 206	3	Film Video Lighting
FVM 209	3	Production Management
FVM 215	3	Video Post Production II
FVM 220 **OR**	3	16mm/HD Production
FVM 207	3	Directing Workshop
FVM 250	3	Writing for Broadcast Media
FVM 287	3	Internship

Writing & Directing Emphasis Required Credits **45**

A.A.S. DEGREE, FILM VIDEO MEDIA WRITING & DIRECTING EMPHASIS, TOTAL REQUIRED CREDITS **60**

Film Video Media: Writing Producing

Writing Producing Emphasis: 30 credits

Course #	Credits	Course Title
FVM 202	3	Film Video Business
FVM 155	3	Writing the Short Script
FVM 181-FTV 188	6	Topics in Film Studies
FVM 209	3	Production Management
FVM 216	3	Producing the Independent Feature
FVM 220	3	16mm/HD Production
FVM 236	3	Creative Producing I
FVM 250	3	Scriptwriting for Film & Video
FVM 287	3	Internship

Writing Producing Emphasis Required Credits **45**

A.A.S. DEGREE, FILM VIDEO MEDIA WRITING PRODUCING EMPHASIS, TOTAL REQUIRED CREDITS.. **60**

Film Video Media

CERTIFICATES

The Film Video Media and Certificate programs are designed for students seeking professional preparation for careers in Film, Video, and related industries. Students will be prepared for employment in the television, industrial video, network, cable, and internet production, commercial production, educational video, and feature film production industries, or for entry into graduate study programs.

Film Video Common Core
(15 credits)

Course #	Credits	Course Title
FVM 105	3	Video Production I
FVM 117	3	Understanding the Actor's Process
FVM 136	3	Short Script Analysis
FVM 150	3	Development of Film Expression
FVM 160	3	Video Post Production I

Select one emphasis area below

Acting for the Screen

CERTIFICATE

Acting for the Screen Emphasis:
15 credits

Course #	Credits	Course Title
FVM 118	3	Screen Actor Improvisation Techniques
FVM 217	3	Acting for the Screen
FVM 218	3	Actor Movement & Action
FVM 219	3	Screen Performance Workshop
MGD 266	3	DVD Authoring

ACTING FOR THE SCREEN CERTIFICATE
 TOTAL REQUIRED CREDITS.. 30

Cinematography Videography

CERTIFICATE

Cinematography Videography Emphasis:
30 credits

Course #	Credits	Course Title
FVM 153	3	Introduction to Film Production
FVM 181-FTV 188	3	Topics in Film Studies
FVM 185	3	The Documentary Film
FVM 200	3	Video Production II
FVM 205	3	Camera Techniques
FVM 206	3	Film Video Lighting
FVM 213	3	Cinematography I
FVM 220	3	16mm/HD Production
FVM 273	3	Professional Documentary Production
FVM 287	3	Internship

CINEMATOGRAPHY VIDEOGRAPHY CERTIFICATE
 TOTAL REQUIRED CREDITS.. 45

Video Post-Production

CERTIFICATE

Video Post-Production Emphasis:
30 credits

Course #	Credits	Course Title
MGD 111	3	Photoshop for Editors
FVM 164	3	Digital Editing: FCP
FVM 165	3	Digital Editing: Avid
FVM 215	3	Video Post Production II
FVM 208	3	Sound for Film & Video
FVM 248	3	Audio Sweetening
MGD 141	3	Web Design: Dreamweaver
MGD 143	3	Motion Graphic Design I
FVM 264	3	Introduction Digital FX
FVM 287	3	Internship

VIDEO POST-PRODUCTION CERTIFICATE
 TOTAL REQUIRED CREDITS.. 45

Writing Directing for Film & Video

CERTIFICATE

Writing Direction for
Film & Video Emphasis: 30 credits

Course #	Credits	Course Title
FVM 202	3	Film/Video Business
FVM 155	3	Writing the Short Script
FVM 181-FTV 188	3	Topics in Film Studies
FVM 200	3	Video Production II
FVM 205	3	Camera Techniques
OR		
FVM 206	3	Film Video Lighting
FVM 209	3	Production Management
FVM 215	3	Video Post Production II
FVM 220	3	16mm/HD Production
OR		
FVM 207	3	Directing Workshop
FVM 250	3	Scriptwriting for Film Video
FVM 287	3	Internship

WRITING DIRECTING FOR FILM & VIDEO CERTIFICATE
 TOTAL REQUIRED CREDITS.. 45

Writing Producing

Writing Producing Emphasis:
30 credits

Course #	Credits	Course Title
FVM 202	3	Film/Video Business
FVM 155	3	Writing the Short Script
FVM 181-FTV 188	3	Topics in Film Studies
FVM 185	3	Documentary Film
FVM 209	3	Production Management
FVM 216	3	Producing the Independent Feature
FVM 220	3	16mm/HD Production
FVM 236	3	Creative Producing
FVM 250	3	Scriptwriting for Film Video
FVM 287	3	Internship

WRITING PRODUCING CERTIFICATE
TOTAL REQUIRED CREDITS... 45

Common Core Certificate

Students entering into the Film Video Media Program are first required to take the common core certificate classes. Upon completion of the core, students proceed to their degree or certificate emphasis.

Writing Producing Level I

Film Video Common Core:
15 credits

Course #	Credits	Course Title
FVM 105	3	Video Production I
FVM 117	3	Understanding the Actor's Process
FVM 136	3	Short Script Analysis
FVM 150	3	Development of Film Expression
FVM 160	3	Video Post Production I

WRITING PRODUCING CERTIFICATE
TOTAL REQUIRED CREDITS... 15

Advanced Immersion

(11-MONTH)

Certificate Requirements: 60 credits

Pentamester I

Course #	Credits	Course Title
FVM 105	3	Video Production I
FVM 136	3	Short Script Analysis
FVM 150	3	Development of Film Expression
FVM 160	3	Video Post Production I

Pentamester II

Course #	Credits	Course Title
FVM 117	3	Understanding the Actor's Process
FVM 155	3	Writing the Short Script
FVM 200	3	Video Production II
FVM 209	3	Production Management

Pentamester III

Course #	Credits	Course Title
FVM 206	3	Film Video Lighting
FVM 229	3	Production Preparation
FVM 215	3	Video Post Production II
FVM 207	3	Directing Workshop

Pentamester IV

Course #	Credits	Course Title
FVM 205	3	Film Video Camera
FVM 208	3	Sound for Film Video
FVM 202	3	Film Video Business
FVM 270	3	Film Video Production III

Pentamester V

Course #	Credits	Course Title
FVM 265	3	DVD Authoring with DVD Studio Pro
FVM 216	3	Producing the Independent Feature
FVM 271	3	Post Production III
FVM 250	3	Scriptwriting for Film and Video

ADVANCED IMMERSION PROGRAM CERTIFICATE
TOTAL REQUIRED CREDITS... 60

Fire Science

The Fire Science programs are designed for students desiring to pursue a career in fire service, or are currently employed as full-time 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 director, Michael Carter at 303.340.7211

Programs are

Fire Science Technology A.A.S.

Fire Science Technology Certificate

Technical Rescue Certificate

Fire Service Administration A.A.S.

Fire Science Technology

ASSOCIATE OF APPLIED SCIENCE

General Education Requirements: 16 credits

English
(3 credits)

Course #	Credits	Course Title
ENG 131	3	Technical Writing

Mathematics
(4 credits)

Course #	Credits	Course Title
MAT 120	4	Mathematics for Liberal Arts

Science
(5 credits)

Course #	Credits	Course Title
BIO 111	5	General College Biology I with Lab

Social and Behavioral Sciences
(3 credits)

Course #	Credits	Course Title
SOC 101	3	Introduction to Sociology

Other
(1 credits)

Course #	Credits	Course Title
PED 110	1	Physical Fitness Activity I

General Education Credits 16

**Degree Requirements:
44 credits**

Course #	Credits	Course Title
FST 100	9	Firefighter I
FST 101	6	Firefighter II
FST 102	3	Introduction to Fire Science and Suppression
FST 103	3	Firefighter Occupational Health and Safety
FST 104	3	Fire Protection Systems
FST 105	3	Building Plans and Construction
FST 106	3	Fire Inspection Practices
FST 107	3	Hazardous Materials Operations (Level I)
EMS 125	9	EMT Basic
EMS 136	1	EMT/Paramedic Safety Issues in the Field
EMS 170	1	EMT/Basic Clinical

Degree Required Credits.. 44

A.A.S. DEGREE, FIRE SCIENCE TECHNOLOGIES
TOTAL REQUIRED CREDITS.. 60

Fire Science Technology

CERTIFICATE

**Certificate Requirements:
33 credits**

Course #	Credits	Course Title
FST 100	9	Firefighter I
FST 101	6	Fighter II
FST 102	3	Intro to Fire Science and Support
FST 103	3	Firefighter Occupational Health and Safety
FST 104	3	Fire Protection Systems
FST 105	3	Building Plans and Construction
FST 106	3	Fire Inspection Practices
FST 107	3	Hazardous Materials Operations (Level I)

FIRE SCIENCE TECHNOLOGY CERTIFICATE,
TOTAL REQUIRED CREDITS... 33

Technical Rescue

CERTIFICATE

Certificate Requirements: 16 credits

Course #	Credits	Course Title
FST 121	4	Technical Rope Rescue
FST 132	2	Structural Collapse
FST 133	2	Trench Rescue

FST 134	2	Confined Space Rescue
FST 135	2	Ice Water Rescue
FST 136	2	Swift Water Rescue
FST 137	2	Vehicle Extrication

TECHNICAL RESCUE CERTIFICATE,
  TOTAL REQUIRED CREDITS.. **16**

Fire Services Administration

ASSOCIATE OF APPLIED SCIENCE

General Education Requirements:
15 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
COM 115	3	Public Speaking
COM 225	3	Organizational Communications
ENG 131	3	Technical Writing

Social and Behavioral Sciences
(6 credits)

Course #	Credits	Course Title
POS 125	3	American State and Local Government
PSY 268	3	Organizational Psychology

General Education Credits **15**

Degree Requirements:
45 credits

Course #	Credits	Course Title
MAN 116	3	Principles of Supervision
MAN 200	3	Human Resource Management I
CRJ 220	3	Human Relations and Social Conflict
PAR 216	3	Employment Law
FST 201	3	Instructional Methodology
FST 202	3	Firefighting Strategy and Tactics
FST 204	3	Fire Codes and Ordinances
FST 205	3	Fire Cause Determination
FST 206	3	Fire Company Supervision and Leadership
FST 207	3	Firefighting Strategy and Tactics II
FST 251	3	Fire Service and the Law
FST 253	3	Fire Ground Organization and Command
FST 255	3	Fire Service Management
FST 257	3	Fire Department Administration
FST 275	3	Special Topics

Total Required Credits 45

FIRE SERVICE ADMINISTRATION A.A.S. DEGREE
  TOTAL REQUIRED CREDITS.. **60**

Graphic Storytelling

ASSOCIATE OF APPLIED SCIENCE

The AAS degree in Graphic Storytelling prepares students for entry into the commercial and artistic field of comic and graphic novel production. Students will develop technical and critical thinking skills related to writing and illustrating contemporary narrative works. Students will learn digital and traditional illustration techniques, as well as important design skills essential for producing effective visual communication.

English
(6 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 221	3	Creative Writing

Math
(3 credits)

Course #	Credits	Course Title
MAT 107	3	Career Mathematics

Arts, Humanities, Social Science
(6 credits)

Course #	Credits	Course Title
ART 110 **OR**	3	Art Appreciation
LIT 201 **AND**	3	World Literature to 1600
SOC 215 **OR**	3	Contemporary Social Problems
PSY 226	3	Social Psychology

Degree Requirements: 39 credits

Course #	Credits	Course Title
ART 121	3	Drawing I
ART 131	3	2D Design
ART 150	3	Digital Art Foundations
ART 156	3	Figure Drawing
MGD 111	3	Photoshop I
MGD 223	3	Graphic Storytelling I*
MGD 224	3	Graphic Storytelling II*
MGD 225	3	Graphic Storytelling III*
MGD 226	3	Graphic Storytelling IV*
MGD 235	3	Word and Image I
MGD 236	3	Word and Image II
MGD 256	3	Graphic Design Production
ART 264	3	Marketing for the Visual Artist

Degree Electives: 6 credits

Course #	Credits	Course Title
ART 111	3	Art History - Ancient to Medieval
OR		
ART 112	3	Art History - Renaissance to Modern
AND		
ART 122	3	Drawing II
OR		
ART 256	3	Advanced Figure Drawing

General Education .... 15 credits

Degree Requirements.. 39 credits

Degree Electives .... 6 credits

**A.A.S. GRAPHIC STORYTELLING DEGREE,
   TOTAL CREDITS.. 60 CREDITS**

Please note that a revision to this degree program is pending. Graphic Storytelling I-IV courses will replace the previously established Illustration I-IV courses – MGD 207, MGD 208, MGD 209, and MGD 210.

Management

This program provides the student with the broad-based business and management concepts needed for advanced and entry level positions. The program allows the student flexibility in designing a management program of study. In addition to the required core of courses, students may select courses within a program emphasis area. Graduates of this program may be employed in all areas of service and retail industries. Graduates with limited work experience will begin at entry-level positions. Graduates with extensive work experience may begin at a higher level. Individual courses may be taken by those wishing to move up the career ladder. Students who complete the degree requirements for the Paralegal emphasis will also receive the Paralegal Certificate. There are very specific general education requirements for Paralegal students. To ensure ABA compliance, students must meet with an academic advisor/program coordinator of Paralegal. The Associate of Arts, Business Transfer Distinction on page 44 is designed for students planning to transfer into a 4-year business degree.

Management

ASSOCIATE OF APPLIED SCIENCE

General Education Requirements: 15 credits

English
(3 credits)

Course #	Credits	Course Title
ENG 121*	3	English Composition I
BUS 217	3	Business Communication and Report Writing

Paralegal students are required to complete

Mathematics or Science
(3 credits)

Select from the following

Credits	Course Discipline
3	Astronomy, Biology, Chemistry, Geology,* Mathematics 120 or higher, Physics 105 and higher

Not acceptable for Paralegal

Social and Behavioral Sciences
(6-9 credits)

Course #	Credits	Course Title
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics

*Paralegal students must also select
1 course from the following*

Course #	Credits	Course Title
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
SOC 101	3	Sociology I
SOC 102	3	Sociology II

Art/Humanities
(3 credits)

*Recommended***

Course #	Credits	Course Title
COM 115**	3	Public Speaking
OR		
COM 125**	3	Interpersonal Communication

Or select from the following

Credits	Course Discipline
3	Art, Foreign Language 111 or above, Humanities, Literature, Music, Philosophy, Theatre

** *Paralegal students are required to complete COM 115 or COM 125.*

General Education Credits 15-18

Degree Requirements

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
BUS 216	3	Legal Environment of Business I
MAN 200	3	Human Resources Management I
MAN 226	3	Principles of Management
MAN 287/PAR 280**	3	Internship
OR		
MAN 285/PAR 285**	3	Directed Studies

**PAR 285 or 280, is required for students in the Paralegal emphasis.*

Management Degree Required Credits.................................... 16

Select 1 area of emphasis from the following

Accounting Management
Computer Information Systems Management
General Management
Human Resources Management
Paralegal
Small Business Management
Tech Management.

Management: Accounting

Emphasis Requirements: 24 credits

Course #	Credits	Course Title
ACC 122	4	Principles of Accounting II
ACC 211	4	Intermediate Accounting I
ACC 226	3	Cost Accounting I
ACC 227	3	Cost Accounting II
CIS 161	1	Introduction to the PC
CIS 118	3	Introduction to Computer Information Systems
CIS 155	3	Complete PC Spreadsheet
MAN 116	3	Principles of Supervision

Accounting Management Emphasis, Required Credits........... 24

Electives: 6 credits
Select from the following

Course #	Credits	Course Title
ACC 115	3	Payroll Accounting
ACC 125	3	Computerized Accounting
ACC 131	3	Income Tax I
ACC 132	2	Tax Help Colorado
ACC 133	1	Tax Help Colorado Site Lab
ACC 216	3	Governmental and Not-for-Profit Accounting
ACC 225	3	Computerized Accounting II
ACC 232	3	Auditing
BUS 115	3	Introduction to Business
BUS 226	3	Business Statistics
MAN 225	3	Managerial Finance
MAN 289	3	Management Information Systems
MAR 216	3	Principles of Marketing

Elective Credits 6

A.A.S. DEGREE, MANAGEMENT ACCOUNTING EMPHASIS, TOTAL REQUIRED CREDITS.. 61

Management: Computer Information Systems

Emphasis Requirements: 16 credits

Course #	Credits	Course Title
CNG 101	3	Introduction to Networking
CNG 131	3	Network Security Fundamentals
CIS 118	3	Introduction to PC Applications
CIS 161	1	Presentation Graphics I
CWB 130	3	Complete Web Editing Tools (Dreamweaver)
MAN 116	3	Principles of Supervision

Computer Information Systems Management, Emphasis Required Credits 16

Electives: 14 credits
Select from the following

Course #	Credits	Course Title
ACC 122	4	Principles of Accounting II
BUS 115	3	Introduction to Business
BUS 226	3	Business Statistics
CIS 226		Not in CCNS
CSC 116	3	Logic and Program Design
CSC 160	4	Computer Science I C++
CWB 110	3	Computer Web Authoring
CNG 130	3	PC Hardware
MAN 289	3	Management Information Systems
MAR 216	3	Principles of Marketing

Elective Credits 14

A.A.S. DEGREE, MANAGEMENT COMPUTER INFORMATION SYSTEMS EMPHASIS, TOTAL REQUIRED CREDITS........... 61

General Management

Emphasis Requirements: 23-25 credits
Select ACC 122, or ACC 226 and ACC 227

Course #	Credits	Course Title
ACC 122 **OR**	4	Principles of Accounting II
ACC 226 **AND**	3	Cost Accounting I
ACC 227	3	Cost Accounting II
BUS 115	3	Introduction to Business
CIS 118	3	Introduction to PC Applications
CIS 161	1	Presentation Graphics I

MAN 116	3	Principles of Supervision
MAN 225	3	Managerial Finance
MAN 289	3	Management Information Systems
MAR 216	3	Principles of Marketing

General Management Emphasis, Required Credits 23-25

Electives: 7 credits

Select from the following
Accounting (all courses), ACC 122 recommended
Business (all courses), BUS 226 recommended
Communication (260-268 only*)
Computer Information Systems (all courses)
Management (all courses)
Marketing (all courses)
Real Estate (all courses)

*Note: Only 3 credits from Communication courses may apply toward electives

Elective Credits 7

**A.A.S. DEGREE, GENERAL MANAGEMENT
TOTAL REQUIRED CREDITS.. 61-63**

Management: Human Resources

ASSOCIATE OF APPLIED SCIENCE

Emphasis Requirements: 22 credits

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
CIS 118	3	Introduction to PC Applications
CIS 161	1	Presentation Graphics I
MAN 116	3	Principles of Supervision
MAN 129	3	Labor Relations
MAN 201	3	Human Resources Management II
MAN 289	3	Management Information Systems
MAR 216	3	Principles of Marketing

Human Resources Management Emphasis Credits 22

Electives: 10 credits

Select from the following:
ACC 122
Business (BUS 226 recommended)
Communication (260-268 only*)
Computer Information Systems (all courses)
Management (all courses)
Marketing (all courses)
Real Estate (all courses)

*Note: Only 3 credits from Communication courses may apply toward electives
**Courses apply once toward degree requirements

Elective Credits 10

**A.A.S. DEGREE, HUMAN RESOURCES MANAGEMENT
EMPHASIS, TOTAL REQUIRED CREDITS........................... 63**

Management: Paralegal

ASSOCIATE OF APPLIED SCIENCE

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 the University of Colorado at Denver.

Emphasis Requirements: 18 credits

Course #	Credits	Course Title
PAR 115	3	Introduction to Law
PAR 116*	3	Torts
OR		
PAR 205*	3	Criminal Law
PAR 118	3	Contracts
PAR 201	3	Civil Litigation
PAR 213	3	Legal Research and Writing I
PAR 214	3	Legal Research and Writing II

*Students may take either Torts or Criminal Law to meet the emphasis requirements, or they may take both courses, one as an elective.

Paralegal Emphasis, Required Credits 18

Electives: 9 credits

Select three courses from the following

Course #	Credits	Course Title
MED 101	3	Introduction to Mediation
PAR 116*	3	Torts
PAR 117	3	Family Law
PAR 125	3	Property Law
PAR 205*	3	Criminal Law
PAR 206	3	Business Organizations
PAR 207	3	Current Issues in Law
PAR 208	3	Probate and Estates
PAR 209	3	Constitutional Law
PAR 216	3	Employment Law
PAR 218	3	Bankruptcy Law

| PAR 227 | 3 | Immigration Law |
| PAR 275 | 3 | Special Topics in Paralegal |

Elective Credits **9**

A.A.S. DEGREE, PARALEGAL MANAGEMENT EMPHASIS, TOTAL REQUIRED CREDITS... **61**

Management: Tech Management

ASSOCIATE OF APPLIED SCIENCE

The AAS degree in Management with an emphasis in Tech Management may be taken at CCA only by students who complete CCCS approved certificates at Pickens Technical College. This degree requires the completion of at least 62 semester credit hours. Credits from Pickens Technical College that apply to the degree vary in number according to the certificate program offered by Pickens Technical College. A maximum number of 30 certificate credits may be applied toward the Management, Tech Management Emphasis degree. Students must complete at least 32 credit hours at CCA. Students whose certificate program taken at Pickens Technical College requires less than 30 hours must complete more than the 32 required credit hours at CCA in order to bring the total number of semester credit hours to 62. Courses needed to meet the total number of credits must be either from the approved General Education course list or Business and or Computer courses approved by a CCA Department Chair.

Community College of Aurora
General Education Requirements: 15 credits

English
(3 credits)

Select 1 course from the following

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 131	3	Technical Writing
BUS 217	3	Business Communication and Report Writing

Mathematics or Science
(3 credits)

Select from the following

Credits	Course Discipline
3	Astronomy, Biology, Chemistry, Geology,* Mathematics 120 or higher, Physics 105 and higher

*Not acceptable for Paralegal

Social/Behavioral Science
(3 credits)

Select 1 course from the following

Course #	Credits	Course Title
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics

Humanities
(3 credits)

Select 1 course from the following

Course #	Credits	Course Title
COM 115	3	Public Speaking
OR		
COM 125	3	Interpersonal Communication

Or select from the following

Credits	Course Discipline
3	Art, Foreign Language 111 or above, Humanities, Literature, Music, Philosophy, Theatre

** Paralegal students are required to complete COM 115 or COM 125.

CCA General Education Credits... **15**

BUS 115 may be counted as a general education elective.

CCA Degree Requirements: 11 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
CIS 161	1	Introduction to the PC
CIS 118	3	Introduction to Computer Information Systems
MAN 226	3	Principles of Management

CCA Required Degree Credits.. **11**

CCA Electives: 6 credits

Select from the following

Course #	Credits	Course Title
ACC 122	4	Principles of Accounting II
BUS 102	4	Entrepreneurial Operations
BUS 216	3	Legal Environment of Business I
CIS 135	3	Complete PC Word Processing
MAN 116	3	Principles of Supervision
BTE 225	3	Office Management
MAN 200	3	Human Resource Management I
MAN 289	3	Management Information Systems
MAR 216	3	Principles of Marketing
SBM 101	1	Start Your Own Business

CCA Elective Credits.. **6**

Total CCA Requirements **32**

Total Pickens Technical College Credits .... **up to 30**

A.A.S. DEGREE MANAGEMENT – TECH MANAGEMENT EMPHASIS, TOTAL REQUIRED CREDITS........................... **62**

Management

ENTREPRENEURIAL PROGRAM

Required Courses

Course #	Credits	Course Title
SBM 101	1	Start Your Own Business
BUS 102	3	Entrepreneurial Operations
BUS 116	3	Personal Financial Planning

Total Certificate Requirements .... 7 credits

Human Resource Management

CERTIFICATE

**Required Core Courses for
Business Certificate**

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Required Core Credits 9

**Human Resource Management
Required Courses**

Course #	Credits	Course Title
MAN 200	3	Human Resources I
MAN 201	3	Human Resources II
MAN 226	3	Principles of Management

Required Human Resource Management Credits 9

**HUMAN RESOURCE MANAGEMENT CERTIFICATE TOTAL
REQUIRED CREDITS.. 18**

Management

CERTIFICATE

Required Core Courses for Business Certificate

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Required Core Credits... 9

Management Required Courses

Course #	Credits	Course Title
MAN 116	3	Principles of Supervision
MAN 225	3	Managerial Finance
MAN 289	3	Management Information Systems

Required Management Credits 9

**MANAGEMENT CERTIFICATE
TOTAL REQUIRED CREDITS... 18**

Marketing

ASSOCIATE OF APPLIED SCIENCE

This program provides students with the knowledge and skills needed in a variety of positions in marketing. In addition to the required core courses, students may design an individualized plan of study by selecting courses that relate to their career goals. Graduates of this program may be employed in many areas of the service, manufacturing, and retailing industries. Individual courses should be considered by those wishing to move up the career ladder.

General Education Requirements: 15 credits

English
(3 credits)

Select from the following

Course #	Credits	Course Title
ENG 121 **OR**	3	English Composition I
BUS 217	3	Business Communication and Report Writing

Mathematics or Science
(3 credits)

Select from the following

Credits	Course Discipline
3	AST 101 or higher, BIO 111 or higher, CHE 111 or higher, GEY 111 or higher, MAT 120 or higher, PHY 105 or higher

Social and Behavioral Sciences
(6 credits)

Course #	Credits	Course Title
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics

Other Required

Course #	Credits	Course Title
COM 115 **OR**	3	Public Speaking
COM 125	3	Interpersonal Communication

General Education Credits 15

Degree Requirements: 41 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business I
CIS 161	1	Introduction to the PC
CIS 118	3	Introduction to Computer Information Systems
MAN 226	3	Principles of Management
MAR 160	3	Customer Service
MAR 220	3	Advertising and Promotion
MAR 216	3	Principles of Marketing
BUS 226	3	Business Statistics
BUS 227	3	Principles of Purchasing
MAN 225	3	Managerial Finance
MAR 117	3	Retail Management
MAR 240	3	International Marketing

General Marketing Emphasis Credits......................................41

Electives: 6 credits

Select from the following

ACC 122

Business (all courses)

Computer Info. Systems (all courses)

Management (all courses)

Marketing (all courses)

Real Estate (all courses)

Small Business Management (SBM 101)

*Note: only 3 credits from Communication courses may apply toward electives.

Elective Credits 6

A.A.S. DEGREE, MARKETING
  TOTAL REQUIRED CREDITS.. 62

Marketing

CERTIFICATE

Required Core Courses for Business Certificate

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Required Core Credits... 9

Marketing Required Courses

Course #	Credits	Course Title
MAR 216	3	Principles of Marketing
MAR 220	3	Advertising and Promotion
MAR 240	3	International Marketing

Required Marketing Credits 9

MARKETING CERTIFICATE
  TOTAL REQUIRED CREDITS.. 18

> ## Mediation Certificates are no longer being offered at CCA

Paralegal

CERTIFICATE

A paralegal is a person, qualified by education, training, or work experience, who is employed or retained by a lawyer, law office, corporation, governmental agency, or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. 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. 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. Five years of law-related work experience may be substituted in some cases for the 30 semester hour academic coursework requirement. Requests for waiver based on work experience must be submitted during the student's first semester in the Paralegal Program.

Certificate Requirements: 30 credits

Emphasis Requirements

Course #	Credits	Course Title
PAR 115	3	Introduction to Law
PAR 116*	3	Torts
OR		
PAR 205*	3	Criminal Law
PAR 118	3	Contracts
PAR 201	3	Civil Litigation
PAR 213	3	Legal Research and Writing I
PAR 214	3	Legal Research and Writing II

PAR 280	3	Internship
OR		
PAR 285	3	Independent Study

Students may take either Torts or Criminal Law to meet the emphasis requirements, or they may take both courses, one as an elective.

Paralegal Certificate Required Credits.................................. 21

Electives: 9 credits
Select three courses from the following

Course #	Credits	Course Title
MED 101	3	Introduction to Mediation
PAR 116*	3	Torts
PAR 117	3	Family Law
PAR 125	3	Property Law
PAR 205*	3	Criminal Law
PAR 206	3	Business Organizations
PAR 207	3	Current Issues in Law
PAR 208	3	Probate and Estates
PAR 209	3	Constitutional Law
PAR 216	3	Employment Law
PAR 218	3	Bankruptcy Law
PAR 227	3	Immigration Law
PAR 275	3	Special Topics in Paralegal

Elective Credits 9

PARALEGAL CERTIFICATE
 TOTAL REQUIRED CREDITS.. 30

Paramedicine

ASSOCIATE OF APPLIED SCIENCE

EMERGENCY MEDICAL SERVICES (EMS)

General Education Requirements: 15 credits

English
(3 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I

Mathematics
(3 credits)

Course #	Credits	Course Title
MAT 107	3	Career Mathematics

Science
(9 credits)

Course #	Credits	Course Title
BIO 201	4	Human Anatomy and Physiology I
BIO 202	4	Human Anatomy and Physiology II
HPR 178	1	Medical Terminology

General Education Credits 15

Requirement Paramedicine: 45 credits

Course #	Credits	Course Title
EMS 225	3	Fundamentals of Paramedic Practice
EMS 226	2	Fundamentals of Paramedic Practice Lab
EMS 227	3	Paramedic Special Considerations
EMS 228	2	Paramedic Special Considerations Lab
EMS 229	3	Paramedic Pharmacology
EMS 230	2	Paramedic Pharmacology Lab
EMS 231	5	Paramedic Cardiology
EMS 232	1	Paramedic Cardiology Lab
EMS 233	4	Paramedic Medical Emergencies
EMS 234	1	Paramedic Medical Emergencies Lab
EMS 235	4	Paramedic Trauma Emergencies
EMS 236	1	Paramedic Trauma Emergencies Lab
EMS 237	2	Paramedic Internship Preparatory
EMS 280	6	Paramedic Internship I
EMS 281	6	Paramedic Internship II

Required Total Credits.. 45

A.A.S. DEGREE, EMS/PARAMEDICINE
 TOTAL REQUIRED CREDITS.. 60

Emergency Medical Provider 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-Basic to EMT-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.

Emergency Medical Technician-Basic

CERTIFICATE

Certificate Requirements: 11 Credits

Course #	Credits	Course Title
EMS 125	9	EMT Basic
EMS 136	1	EMT/Paramedic Safety Issues in the Field
EMS 170	1	EMT/Basic Clinical

EMERGENCY MEDICAL TECHNICIAN, BASIC EMPHASIS
 CERTIFICATE, TOTAL REQUIRED CREDITS 11

Contact the EMS Dept. for information at 303-340-7070 or cindy.smith@ccaurora.edu

Emergency Medical Technician-Paramedic

Students must be EMT-Basic certified from another institution, or complete the courses above and earn the EMT-Basic Emphasis Certificate at CCA. Enrollment in EMT-Paramedic level courses require Colorado EMT-B Certification, IV, and CPR Certification.

Certificate Requirements: 45 credits

Course #	Credits	Course Title
EMS 225	3	Fundamentals of Paramedic Practice
EMS 226	2	Fundamentals of Paramedic Practice Lab
EMS 227	3	Paramedic Special Considerations
EMS 228	2	Paramedic Special Considerations Lab
EMS 229	3	Paramedic Pharmacology
EMS 230	2	Paramedic Pharmacology Lab
EMS 231	5	Paramedic Cardiology
EMS 232	1	Paramedic Cardiology Lab
EMS 233	4	Paramedic Medical Emergencies
EMS 234	1	Paramedic Medical Emergencies Lab
EMS 235	4	Paramedic Trauma Emergencies
EMS 236	1	Paramedic Trauma Emergencies Lab
EMS 237	2	Paramedic Internship Preparatory
EMS 280	6	Paramedic Internship I
EMS 281	6	Paramedic Internship II

**EMERGENCY MEDICAL TECHNICIAN,
  PARAMEDIC EMPHASIS CERTIFICATE,
  TOTAL REQUIRED CREDITS**... 45

Real Estate

Students who complete this certificate program are eligible for the REC-33 form from the Enrollment Services office, required to sit for the Colorado Real Estate Associate Broker Examination.

Certificate Requirements: 12 credits

Course #	Credits	Course Title
REE 201	6	Real Estate Broker I
REE 202	6	Real Estate Broker II

**REAL ESTATE CERTIFICATE,
  TOTAL REQUIRED CREDITS**... 12

Real Estate Appraisal

The college offers courses, conferences, workshops, and seminars for upgrading skills as well as for personal enrichment. Successful completion of courses of this type may result in the granting of a "Recognition of Achievement Certificate." This certificate may be requested from the appropriate instructional program.

To satisfy the requirements for this certificate and be eligible to sit for the state appraiser examination, students must successfully complete the course REE 118, Principles of Real Estate Appraisal.

Certificate Requirements: 5 credits

Course #	Credits	Course Title
REE 118	4	Principles of Real Estate Appraisal
REE 119	1	15-hour National USPAP Course

**RECOGNITION OF ACHIEVEMENT CERTIFICATE,
  REAL ESTATE APPRAISAL,
  TOTAL REQUIRED CREDITS**... 5

Security Officer Specialist

Enrollment in the Security Officer Specialist academy requires the permission of the CCA Law Enforcement Training Academy Director. Due to the nature of the certificate, certain legal, physical fitness and background/character/drug use conditions apply. For enrollment dates, requirements and restrictions and to complete a Security Academy application, interested students need to contact the academy director, Michael Carter, at 303.340.7211.

This program will prepare and train those interested in a career in the Security Officer profession and will enhance the skills of those who are just starting out in the industry, but have no formal training. Emphasis will be on legal issues, the duties of a security officer working in diverse and complex environments, the prevention of crime using proper tactics and current technology, and tactical training to assist security officers in the safe execution of their duties.

Certificate Requirements: 21 credits

Course #	Credits	Course Title
PSM 101	3	Introduction to Private Security
PSM 103	3	Loss Prevention and Management
PSM 111	3	Workplace Violence
PSM 230	3	Physical Security

PSM 231	3	Patrol, Surveillance and Countermeasures
PSM 232	3	Premise Liability for the Security Professional
CRJ 275	3	Special Topics

SECURITY OFFICER SPECIALIST CERTIFICATE,
TOTAL REQUIRED CREDITS.……................................... 21

Solar PV Systems Technician

CERTIFICATE

This certificate program is designed to provide the student with the knowledge and skills needed to work as an entry-level technician for a photovoltaic (PV) dealer, installer or contractor. In this course of study, the student is introduced to basic electrical theory, system design criteria, installation methods, safety considerations, and maintenance practices through classroom study and field work applications. This certificate is beneficial to individuals who plan to be employed in or who currently work in the solar PV industry.

Certificate Requirements: 17 credits

Course #	Credits	Course Title
ENY 101	3	Intro to Energy Technologies
MAT 107	3	Career Mathematics
OSH 127	1	10-HR OSHA Construction Industry Standards
EIC 105	4	Basics of AC and DC Electricity
ENY 121	3	Solar Photovoltaic Components
ENY 127	3	Solar PV System Install

SOLAR PV SYSTEMS TECHNICIAN CERTIFICATE,
TOTAL REQUIRED CREDITS.............................. 17 CREDITS

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). This certificate will be offered in 10-week sessions with multiple entries throughout the year.

Prerequisites:
1. Provide evidence of proficiency in English with one of the following:

   a. ACT score on the English subtest of 19 or above or SAT Verbal score of 440 or above

   b. TOEFL score of 173 on the computer test or 500 on the paper test

   c. 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

Required Courses: 11 credits

Course #	Credits	Course Title
TRI 101	3	Introduction to Translation and Interpretation
TRI 102	2	The Business of Translation and Interpretation
TRI 201	3	Consecutive Interpretation
TRI 202	3	Simultaneous Interpretation

TRANSLATION AND INTERPRETATION CERTIFICATE,
TOTAL REQUIRED CREDITS............................... 11 CREDITS

Personal Fitness Trainer

CERTIFICATE

This program will prepare and train students interested in becoming personal fitness trainers. Students will be prepared and trained to work with the fitness needs of the general public, as well as the public sector including police, fire, and EMS personnel who have specialized fitness training needs. At the completion of the certificate, students will be able to test for the Personal Trainer Certification from the American Council on Exercise.

Required Courses

Course #	Credits	Course Title
HWE 103	1	Community First Aid and CPR
HWE 245	3	Physiology of Exercise
HWE 248	3	Exercise Testing & Prescription
HWE 255	3	Certified Personal Trainer Preparatory Course
HPR 117	3	Anatomical Kinesiology
PED 275	3	Special Topics

PERSONAL FITNESS TRAINER CERTIFICATE,
TOTAL REQUIRED CREDITS............................... 16 CREDITS

Tactical Fitness Trainer

This certificate program will specifically focus on training law enforcement, military, and firefighter fitness facilitators and tactical profession fitness trainers in the latest specific instructional methods to bring public service professionals to, and keep them at, a high level of operational strength, cardio and conditioning fitness to be able to carry out their professional missions.

Certificate Requirements

Course #	Credits	Course Title
PED 112	1	Conditioning Lab
PED 113	1	Fitness Concepts
PED 116	1	Weight Training
PED 117	1	Cross Training
PED 119	1	Fitness Circuit Training
PED 136	2	Advanced Weight Training
PED 275	4	Special Topics
HWE 110	2	Fitness Conditioning and Wellness
HWE 245	3	Physiology of Exercise

TACTICAL FITNESS TRAINER CERTIFICATE, TOTAL REQUIRED CREDITS.. 16

Web Design

Students will learn the fundamentals of web site development and design from experienced instructors in a new, state of the art computer lab. The Web Design curriculum is based on the latest Adobe productivity suite of software, CS4 Master Collection. Courses are focused on teaching real world approaches to web site development and design, including site planning, graphic design and interface design.

Certificate Requirements: 18 credits

MGD 111	3	Adobe Photoshop I
MGD 112	3	Adobe Illustrator I
MGD 141	3	Web Design I
MGD 143	3	Motion Graphic Design I: (Software)
MGD 241	3	Web Design II
MGD 268	2	Commercial Art Business

WEB DESIGN CERTIFICATE, TOTAL REQUIRED CREDITS.. 17

Certificates of Achievement

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

Communication

Communication

Course #	Credits	Course Title
ENG 131 **AND**	3	Technical Writing I
ENG 132 **OR**	3	Technical Writing II
ENG 121 **AND**	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking
COM 125	3	Interpersonal Communication

Select three additional classes from the list below

COM 260	1	Listening
COM 261	1	Effective Meetings
COM 262	1	Dealing with Difficult People
COM 263	1	Conflict Resolution
COM 266	1	Decision Making
COM 267	1	Teamwork
COM 269	1	Leadership

COMMUNICATION CERTIFICATE, TOTAL REQUIRED CREDITS.. 15

Global Perspectives and Multiculturalism

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.

Choose at least 15 credits from the following categories.
You must choose credits in at least two categories.

Communication

Course #	Credits	Course Title
COM 220	3	Intercultural Communication

Social and Behavioral Sciences

Course #	Credits	Course Title
ANT 101	3	Cultural Anthropology
ANT 215	3	Indians of North America
ECO 235	3	International Economics

ETH 200	3	Intro to Ethnic Studies (Required)
GEO 105	3	World Regional Geography
HIS 111	3	The World: Antiquity - 1500
AND		
HIS 112	3	The World: 1500 - Present
HIS 205	3	Women in World History
HIS 247	3	20th Century World History
HIS 249	3	History of Islamic Civilization
HIS 251	3	History of Christianity through the Reformation
POS 205	3	International Relations
POS 225	3	Comparative Government

Arts & Humanities

Course #	Credits	Course Title
LIT 211	3	American Literature to Civil War
AND		
LIT 212	3	American Literature after Civil War
LIT 205	3	Ethnic Literature
LIT 278	3	Literature of Immigration
HUM 241	3	Asian Arts and Cultures
MUS 123	3	Survey of World Music
PHI 114	3	Comparative Religions

World Language

Course #	Credits	Course Title
WOL 111	5	
WOL 112	5	
WOL 211	3	
WOL 212	3	

(American Sign Language, Arabic, Chinese, French, German, Hebrew, Japanese, Russian, Spanish)

Business and Marketing

Course #	Credits	Course Title
MAR 240	3	International Marketing

Criminal Justice

Course #	Credits	Course Title
MED 104	2	Culture and Conflict Resolution

Film Video Media

Course #	Credits	Course Title
FVM 181	3	Contemporary Global Film

Study Abroad/Internship

Credits	Course Description
3	One semester/3 credit hours of international study abroad or internship

GLOBAL PERSPECTIVES AND MULTICULTURALISM CERTIFICATE, TOTAL REQUIRED CREDITS 15-16

Language Achievement

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, limited to German, Japanese, Russian, and Spanish.

The certificate is earned upon completion of four courses: 111, 112, 211, and 212. Enrollment in the 211 and 212 courses is mandatory. 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.

An example of the required courses would be:

Course #	Credits	Course Title
SPA 111	5	
SPA 112	5	
SPA 211	3	
SPA 212	3	

LANGUAGE ACHIEVEMENT CERTIFICATE, TOTAL REQUIRED CREDITS 16

Metropolitan State College of Denver

ARTICULATIONS

Computer Science

ASSOCIATE OF GENERAL STUDIES

General Education Requirements: 42 credits

Communication/English
(12 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
ENG 131	3	Technical Writing I
COM 115	3	Public Speaking

Mathematics
(8 credits minimum)

Course #	Credits	Course Title
MAT 201	5	Calculus I
MAT 202	5	Calculus II

Physical /Life Science
(10 Credits minimum)

Select one sequence from the following

Course #	Credits	Course Title
BIO 111	5	General College Biology I
BIO 112	5	General College Biology II
CHE 111	5	General College Chemistry I
CHE 112	5	General College Chemistry II
PHY 211	5	Physics I: Calculus-based
PHY 212	5	Physics II: Calculus-based

Social /Behavioral Science
(9 credits)

Select 1 History course, take both Economics courses

Course #	Credits	Course Title
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics

Humanities Requirement
(3 credits)

Select one course from the following

Course #	Credits	Course Title
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
MUS 120	3	Music Appreciation
MUS 121	3	Introduction to Music History I
MUS 122	3	Introduction to Music History II
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II

General Education Credits 42

Degree Requirements: 18 credits

Course #	Credits	Course Title
CSC 116	3	Logic and Program Design
CSC 160	4	Computer Science I: C ++
CSC 161	4	Computer Science II: C ++
CSC 225	4	Computer Architecture/Assembly
CSC 240	3	Java Programming

Required Degree Credits... 18

A.G.S. COMPUTER SCIENCE ARTICULATION WITH MSCD, TOTAL REQUIRED CREDITS... 60

Criminal Justice

ASSOCIATE OF GENERAL STUDIES

This degree is articulated with Metropolitan State College of Denver. Contact a CCA and MSCD advisor for details.

General Education Requirements: 30 credits

Communication/English
(9 credits – GT-CO1, GT-CO2)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

COM 115	3	Public Speaking
OR		
COM 125*	3	Interpersonal Communication

*This is a Colorado Community College System requirement and is in addition to the statewide guaranteed transfer courses.

Mathematics
(3 credits – GT-MA1)

MAT 120, or higher (excludes MAT 155 and 156)

Social and Behavioral Sciences
(9 credits – GT-HI1, GT-SS1, GT-SS2, GT-SS3)

Select 3 courses. One must be History and no more than 2 others from any 1 category

Course #	Credits	Course Title
		Category I (GT-HI1)
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HIS 111	3	The World: Antiquity - 1500
HIS 112	3	The World: 1500 - Present
HIS 201	3	U.S. History to Reconstruction
HIS 202	3	U.S. History Since the Civil War
HIS 247	3	20th Century World History
		Category II (GT-SS1)
ECO 101	3	Economics of Social Issues
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
ECO 245	3	Environmental Economics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 205	3	International Relations
POS 225	3	Comparative Government
		Category III (GT-SS2)
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
		Category IV (GT-SS3)
ANT 101	3	Cultural Anthropology
ANT 107	3	Introduction to Archaeology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
ANT 215	3	Indians of North America
ETH 200	3	Introduction of Ethnic Studies
PSY 101	3	General Psychology I
PSY 102	3	General Psychology II
PSY 205	3	Psychology of Gender
PSY 217	3	Human Sexuality
PSY 226	3	Social Psychology
PSY 227	3	Psychology of Death and Dying
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
PSY 249	3	Abnormal Psychology
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 205	3	Sociology of Family Dynamics
SOC 215	3	Contemporary Social Problems
SOC 231	3	The Sociology of Deviant Behavior
WST 200	3	Introduction to Women's Studies

Arts and Humanities
(9 credits GT-AH1, GT-AH2, GT-AH3 or GT-AH4)

Select three courses with no more than 2 courses from any one of the following categories

Course #	Credits	Course Title
		Category I (GT-AH1)
ART 110	3	Art Appreciation
ART 111	3	Art History - Ancient to Medieval
ART 112	3	Art History - Renaissance to Modern
ART 207	3	Art History, 1900-Present
MUS 120	3	Music Appreciation
MUS 121	3	Music History I
MUS 122	3	Music History II
THE 105	3	Theatre Appreciation
THE 211	3	Development of Theatre I
THE 212	3	Development of Theatre II
		Category II (GT-AH2)
HUM 121	3	Humanities I
HUM 122	3	Humanities II
HUM 123	3	Humanities III
LIT 115	3	Introduction to Literature
LIT 201	3	World Literature to 1600
LIT 202	3	World Literature after 1600
LIT 205	3	Ethnic Literature
LIT 211	3	American Literature to Civil War
LIT 212	3	American Literature after Civil War
LIT 221	3	British Literature to 1770
LIT 222	3	British Literature after 1770
LIT 225	3	Introduction to Shakespeare
		Category III (GT-AH3)
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
PHI 113	3	Logic
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion
		Category IV (GT-AH4)
FRE 211	3	French III
FRE 212	3	French IV
GER 211	3	German III
GER 212	3	German IV
ITA 211	3	Italian III
ITA 212	3	Italian IV
JPN 211	3	Japanese III
JPN 212	3	Japanese IV
RUS 211	3	Russian III

RUS 212	3	Russian IV
SPA 211	3	Spanish III
SPA 212	3	Spanish IV

General Education Credits **30**

Required Courses: 30 credits

Course #	Credits	Course Title
CRJ 110	3	Introduction to Criminal Justice
CRJ 111	3	Substantive Criminal Law
CRJ 112	3	Procedural Criminal Law
CRJ 125	3	Law Enforcement Operations
CRJ 135	3	Judicial Functions
CRJ 145	3	The Correctional Process
CRJ 210	3	Constitutional Law
CRJ 220	3	Human Relations and Social Conflicts
CRJ 230	3	Criminology

Criminal Justice Required Credits...**30**

A.G.S. DEGREE, CRIMINAL JUSTICE,
TOTAL REQUIRED CREDITS.. **60**

Film Video Media

ASSOCIATE OF GENERAL STUDIES

This degree program is intended for students seeking a Bachelor of Science in Technical Communications at the Metropolitan State College of Denver.

Upon completion of degree and certificate programs, students will be prepared for employment in the television, industrial video, network, cable, and internet production, commercial production, educational video, and feature film production industries, or for entry into an articulated program.

General Education Requirements: 28 credits

Communication English
(6 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
COM 115	3	Public Speaking

Mathematics
(3 credits)

Course #	Credits	Course Title
MAT 120 OR	4	Mathematics for Liberal Arts
MAT 121 OR	4	College Algebra
MAT 135	3	Introduction to Statistics

Physical and Life Sciences
(4 credits – GT-SC1)

Select 1 course (credits over 4 will be applied to electives)

Course #	Credits	Course Title
AST 101	4	Astronomy I
AST 102	4	Astronomy II
BIO 105	4	Science of Biology
BIO 111	5	General College Biology I with Lab
BIO 112	5	General College Biology II with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
BIO 208	5	General College Microbiology
BIO 220	5	Zoology
CHE 101	5	Introduction to Chemistry I with Lab
CHE 102	5	Introduction to Chemistry II with Lab
CHE 111	5	General College Chemistry I with Lab
CHE 112	5	General College Chemistry II with Lab
GEY 111	4	Physical Geology
GEY 121	4	Historical Geology
PHY 105	4	Conceptual Physics
PHY 111	5	Physics: Algebra-based I with Lab
PHY 112	5	Physics: Algebra-based II with Lab
PHY 211	5	Physics: Calculus-Based I with Lab
PHY 212	5	Physics: Calculus-Based II with Lab
SCI 155	4	Integrated Science I - Physics & Chemistry
SCI 156	4	Integrated Science II - Earth & Life Science

Social and Behavioral Sciences
(6 credits – GT-SS1, GT-SS2, GT-SS3)

Course #	Credits	Course Title
ECO 201	3	Principles of Macroeconomics
ECO 202	3	Principles of Microeconomics
POS 105	3	Introduction to Political Science
POS 111	3	American Government
POS 205	3	International Relations
GEO 105	3	World Regional Geography
GEO 106	3	Human Geography
ANT 101	3	Cultural Anthropology
ANT 111	3	Physical Anthropology
ANT 201	3	Introduction to Forensic Anthropology
PSY 101	3	General Psychology I*
PSY 102	3	General Psychology II*
PSY 205	3	Psychology of Gender
PSY 226	3	Social Psychology
PSY 235	3	Human Growth & Development
PSY 238	3	Child Development
SOC 101	3	Introduction to Sociology I
SOC 102	3	Introduction to Sociology II
SOC 215	3	Contemporary Social Problems

History
(3 credits)

Course #	Credits	Course Title
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present

Arts and Humanities
(6 credits)

Course #	Credits	Course Title
ART 110	3	Art Appreciation*
PHI 111	3	Introduction to Philosophy

General Education Required Credits **28**

Common Core

Students entering into the Film Video Media Program are first required to take the common core certificate classes. Upon completion of the core, students proceed to their degree or certificate emphasis.

Film Video Common Core: 15 credits

Course #	Credits	Course Title
FVM 105	3	Video Production I
FVM 117	3	Understanding the Actor's Process
FVM 136	3	Short Script Analysis
FVM 150	3	Development of Film Expression
FVM 160	3	Video Post-Production I

Areas of Emphasis
Select 1 emphasis area from the following:

Cinematography Videography

Video Post-Production

Writing and Directing for Film & Video

Cinematography Videography
(21 credits)

Course #	Credits	Course Title
FVM 153	3	Introduction to Film Production
FVM 200	3	Video Production II
FVM 205	3	Camera Techniques
FVM 206	3	Film Video Lighting
FVM 213	3	Cinematography I
FVM 220	3	16mm/HD Production
FVM 273	3	Professional Documentary Production

Videography Cinematography Required Credits **21**

Video Post-Production
(21 credits)

Course #	Credits	Course Title
MGD 111	3	Photoshop for Editors
FVM 164	3	Digital Editing: FCP
FVM 165	3	Digital Editing: Avid
FVM 208	3	Sound for Film & Video
OR		
MGD 143	3	Motion Graphic Design I
FVM 200	3	Video Production II
FVM 215	3	Video Post Production II
FVM 264	3	Digital FX for Post I

Video Post-Production Required Credits **21**

A.G.S. DEGREE, FILM TRANSFER,
  TOTAL REQUIRED CREDITS.. **60**

* Recommended Course Choices

Writing Directing Emphasis
(21 credits)

Course #	Credits	Course Title
FVM 155	3	Writing the Short Script
FVM 205	3	Film Video Camera
OR		
FVM 206	3	Film Video Lighting
FVM 209	3	Production Management Techniques
FVM 200	3	Video Production II
FVM 215	3	Video Post Production II
FVM 220	3	16mm/HD Production
OR		
FVM 207	3	Directing Workshop
FVM 250	3	Writing for Broadcast Media

Writing Directing Emphasis Required Credits........................ **21**

Regis University

60 Hour A.A.S. Articulated Degrees

Computer Information System

ASSOCIATE OF APPLIED SCIENCE

This degree is designed for students wanting to transfer into a computer degree at Regis University in Denver. Additional general education courses are required for the 90+ crosswalk transfer to Regis. Talk to an advisor for best course transfer options and more options

General Education Requirements: 20 credits

Communication/English
(6 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Mathematics
(4 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra

Global Issues
(6 credits)

Course #	Credits	Course Title
HIS 101	3	Western Civilization: Antiquity - 1650
MAR 240	3	International Marketing

Natural Science
(4 credits)

Course #	Credits	Course Title
CIS 118/161	4	Introduction to PC Applications

General Education Credits 20

Computer Science Required:
21 credits

Course #	Credits	Course Title
CIS 244	3	SQL PL/SQL
CSC 230	3	C Programming Language
CSC 231	3	Advanced C Programming Language
CSC 241	3	Advanced Java Programming
CIS 268	3	Systems Analysis and Design
CIS 232	3	Unix Shell Programming
CNG 132	3	Principles of Information Security

Computer Science Electives:
21 credits

Course #	Credits	Course Title
CIS 220	3	Fundamentals of Unix
CSC 116	3	Logic and Program Design
CSC 240	3	Java Programming
CNG 101	3	Introduction to Networking
CNG 131	3	Network Security Fundamentals
CNG 160	3	Telecommunications
CIS 222	3	Unix System Administration

Elective Credits 21

A.A.S. DEGREE, COMPUTER INFORMATION SYSTEM, TOTAL REQUIRED CREDITS.. 62

Computer Networking

ASSOCIATE OF APPLIED SCIENCE

This degree can be used by students wanting to transfer into a computer degree at Regis University in Denver. Additional general education courses are required for the 90+ crosswalk transfer to Regis. Talk to an advisor for best course transfer options and more options

General Education Requirements: 23 credits

Communication/English
(6 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II

Mathematics
(7 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 135	3	Statistics

Global Issues
(6 credits)

Course #	Credits	Course Title
HIS 101	3	Western Civilization: Antiquity - 1650
MAR 240	3	International Marketing

Natural Science
(4 credits)

Course #	Credits	Course Title
CIS 118/161	4	Introduction to PC Applications

General Education Credits 23

Computer Science Required:
21 credits

Course #	Credits	Course Title
CNG 101	3	Introduction to Networking
CSC 230	3	C Programming Language
CSC 231	3	Advanced C Programming Language
CSC 241	3	Advanced Java Programming
CIS 268	3	Systems Analysis and Design
CIS 232	3	Unix Shell Programming
CNG 132	3	Principals of Information Security

Computer Science Electives:
19 credits

Course #	Credits	Course Title
CIS 220	3	Fundamentals of Unix
CSC 116	3	Logic and Program Design
CSC 240	3	Java Programming
CNG 131	3	Network Security Fundamentals
CSC 225	4	Computer Architecture/ Assembly Language Programming
CIS 222	3	Unix System Administration

Computer Science Credits 40

A.A.S. DEGREE, COMPUTER NETWORKING,
TOTAL REQUIRED CREDITS... 63

Computer Programming

ASSOCIATE OF APPLIED SCIENCE

This degree is designed for students wanting to transfer into a computer degree at Regis University in Denver. Additional general education courses are required for the 90+ crosswalk transfer to Regis. Talk to an advisor for best course transfer options and more options

General Education Requirements:
23 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(4 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra

Global Issues
(6 credits)

Course #	Credits	Course Title
HIS 101	3	Western Civilization: Antiquity - 1650
MAR 240	3	International Marketing

Natural Science
(4 credits)

Course #	Credits	Course Title
CIS 118/161	4	Introduction to PC Applications

General Education Credits 23

Computer Science Required:
22 credits

Course #	Credits	Course Title
CSC 116	3	Logic and Program Design
CSC 230	3	C Programming Language
CSC 231	3	Advanced C Programming Language
CSC 225	4	Computer Architecture/ Assembly Language Programming
CSC 241	3	Advanced Java Programming
CIS 268	3	Systems Analysis and Design
CIS 232	3	Unix Shell Programming

Computer Science Electives:
15 credits

Course #	Credits	Course Title
CIS 220	3	Fundamentals of Unix
CSC 240	3	Java Programming
CNG 101	3	Introduction to Networking
CNG 160	3	Telecommunications
CIS 222	3	Unix System Administration

Elective Credits 37

A.A.S. DEGREE, COMPUTER PROGRAMMING,
TOTAL REQUIRED CREDITS... 60

90 Hour A.A.S. / A.G.S.
"Crosswalk" Degrees

Accounting

CROSSWALK

Students will be able to complete 90 of the 128 credits required for Regis University's Bachelor of Science in Accounting.

The following classes are required to complete the degree.

General Education Requirements: 42 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(3 credits)

MAT 120 or higher

Humanities Electives
(6 credits)

Select two courses from the following

Course #	Credits	Course Title
PHI 114	3	Comparative Religions
PHI 115	3	World Religions–West
PHI 116	3	World Religions–East
PHI 214	3	Philosophy of Religion

Social/Behavioral Sciences/Humanities
(24 credits)

Course #	Credits	Course Title
HIS 247	3	Contemporary U.S. History
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
HUM 121	3	Humanities I
ECO 201	3	Principles of Microeconomics
ECO 202	3	Principles of Macroeconomics

General Education Credits 42

Degree Requirements: 50 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
ACC 125	3	Computerized Accounting I
ACC 211	4	Intermediate Accounting I
ACC 212	4	Intermediate Accounting II
ACC 225	3	Computerized Accounting II
ACC 226	3	Cost Accounting I
ACC 232	3	Auditing
BUS 216	3	Legal Environment of Business I
BUS 217	3	Business Communication and Report Writing
BUS 226	3	Business Statistics (MAT 099 pre-req)
CIS 118	3	Introductions to PC Applications
CIS 155	3	PC Spreadsheet Concepts
CIS 161	1	Presentation Graphics I
MAN 225	3	Managerial Finance
MAR 240	3	International Marketing

Required Degree Credits.. 50

A.A.S. Degree, Accounting Credits 60

Additional Credits for Regis Crosswalk................................ 32

TOTAL REQUIRED CREDITS............................ ……………..92

Computer Science

CROSSWALK

General Education Requirements: 50 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(17 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 122	3	College Trigonometry
MAT 201	5	Calculus I
MAT 202	5	Calculus II

Social/Behavioral Science and Humanities
(18 credits)

Course #	Credits	Course Title
HIS 247	3	Contemporary U.S. History
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HUM 121	3	Humanities I
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics

Humanities
(6 credits)
Select from the following

Course #	Credits	Course Title
PHI 114	3	Comparative Religions
PHI 115	3	World Religions - West
PHI 116	3	World Religions - East
PHI 214	3	Philosophy of Religion

General Education Credits **50**

Degree Requirements:
47 credits

Course #	Credits	Course Title
BUS 217	3	Business Communication and Report Writing
CIS 118	3	Introductions to PC Applications
CIS 161	1	Presentation Graphics I
CIS 220	3	Fundamentals of UNIX
CIS 222	3	UNIX System Administration
CIS 232	3	UNIX Shell Programming
CSC 116	3	Logic and Program Design
CSC 225	4	Computer Architecture/Assembly Language Programming
CSC 230	3	Programming
CSC 231	3	Advanced C Programming
CSC 240	3	Java Programming
CSC 241	3	Advanced Java Programming
CNG 101	3	Introduction to Networking
CNG160	3	Telecommunications
CNG 268	3	System Analysis and Design
MAR 240	3	International Marketing

Required Degree Credits **47**

A.A.S. Degree Computer Science Credits **60**

Additional Credits for Regis Crosswalk **37**

CROSSWALK, COMPUTER SCIENCE
  TOTAL REQUIRED CREDITS **97**

Computer Information Systems

CROSSWALK

General Education Requirements: 40 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(7 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 135	3	Statistics

Social /Behavioral Science and Humanities
(18 credits)

Course #	Credits	Course Title
HIS 247	3	Contemporary U.S. History
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HUM 121	3	Humanities I
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics

Humanities
(6 credits)

Course #	Credits	Course Title
PHI 114	3	Comparative Religions
PHI 115	3	World Religions - West
PHI 116	3	World Religions - East
PHI 214	3	Philosophy of Religion

General Education Credits **40**

Degree Requirements: 52 credits

Course #	Credits	Course Title
BUS 217	3	Business Communication and Report Writing
CIS 118	3	Introductions to PC Applications
CIS 161	1	Presentation Graphics I
CIS 220	3	Fundamentals of UNIX
CIS 222	3	UNIX System Administration
CIS 232	3	UNIX Shell Programming
CIS 244	3	SQL PL/SQL
CSC 116	3	Logic and Program Design
CSC 230	3	Programming
CSC 231	3	Advanced C Programming

CSC 240	3	Java Programming
CSC 241	3	Advanced Java Programming
CNG 101	3	Introduction to Networking
CNG 131	3	Security Fundamentals
CNG 132	3	Principles of Security
CNG160	3	Telecommunications
CNG 268	3	System Analysis and Design
MAR 240	3	International Marketing

Required Degree Credits.. 52

A.A.S. Degree, Computer Information Systems Credits 60

Additional Credits for Regis Crosswalk.................................. 30

TOTAL REQUIRED CREDITS.. 92

Film Video Media

ASSOCIATE OF GENERAL STUDIES

This program is intended for students seeking a Bachelor of Fine Arts from Regis University College of Professional Studies program.

- Students complete the FVM AGS + 24 additional credits listed in their emphasis area for transfer
- You must apply for CCA graduation by mid-semester prior to your final term at CCA. See Semester of Classes for the exact deadline date.
- Consult with a Lowry One-Stop Advisor for course progressions and more details

General Education Requirements: 27 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(3 credits)

MAT 120 or higher

(excludes MAT 155,156)

Social/Behavioral Sciences
(3 credits)

Course #	Credits	Course Title
PSY 101	3	General Psychology I

Humanities
(9 credits)

Course #	Credits	Course Title
PHI 112	3	Ethics
PHI 114	3	Comparative Religions
PHI 214	3	Philosophy of Religion

Natural/Physical Sciences
(3 credits)

Select from the following

AST, BIO, CHE, CIS, CSC, ENV, GEY, PHY, SCI

General Education Required Credits....................................... 27

Film Video Requirements:
60 credits

FILM VIDEO COMMON CORE
(15 CREDITS)

Course #	Credits	Course Title
FVM 105	3	Video Production I
FVM 117	3	Understanding the Actor's Process
FVM 136	3	Short Script Analysis
FVM 150	3	Development of Film Expression
FVM 160	3	Video Post Production I

Common Core Required Credits 15

AREAS OF EMPHASIS

Select one emphasis area from the following:

Writing Directing for Film and Video
Videography Cinematography
Video Post-Production
Writing Producing
Acting for the Screen

Acting for the Screen Emphasis

(45 credits: 21 credits to complete CCA's A.G.S.; 24 additional hours for Regis Transfer)

Course #	Credits	Course Title
FVM 202	3	Film Video Business
FVM 118	3	Screen Actor Improvisation Techniques
THE 112	3	Acting II
THE 126	3	Auditioning for Musical Theater
FVM 212	3	Contemporary Global Cinema
FVM 207	3	Directing Workshop
FVM 217	3	Acting for the Screen
FVM 218	3	Screen Actor Movement/Action I

Course #	Credits	Course Title
FVM 219	3	Screen Performance Workshop
FVM 265	3	DVD Authoring
FVM 270	3	Film/Production III
THE 204	3	Voice and Articulation I
FVM 251	3	Feature Script Analysis
FVM 228	3	Screen Actor Movement/Action II

Acting for the Screen Credits…………………….............. 45

Cinematography Videography Emphasis

(45 credits: 21 credits to complete CCA's A.G.S.; 24 additional hours for Regis Transfer)

Course #	Credits	Course Title
FVM 202	3	Film Video Business
ART 143	3	Digital Photography
FVM 153	3	Intro to Film Production
FVM 212	3	Contemporary Global Cinema
FVM 185	3	Documentary Film
FVM 200	3	Video Production II
FVM 205	3	Camera Techniques
FVM 206	3	Film Video Lighting
FVM 213	3	Cinematography I
FVM 220	3	16mm/HD Production
FVM 229	3	Production Preparation
FVM 270	3	Production III
FVM 251	3	Feature Script Analysis
FVM 273	3	Professional Documentary Production
FVM 204	3	Art Direction

Videography Cinematography Credits ………...... …………….45

Video Post-Production Emphasis

(45 credits: 21 credits to complete CCA's A.G.S.; 24 additional hours for Regis Transfer)

Course #	Credits	Course Title
MGD 111	3	Photoshop for Editors
FVM 202	3	Film Video Business
FVM 164	3	Digital Editing: FCP
FVM 165	3	Digital Editing: Avid
FVM 212	3	Contemporary Global Cinema
FVM 185	3	Documentary Film
FVM 200	3	Video Production II
FVM 208	3	Sound for Film & Video
FVM 215	3	Post Production II
FVM 248	3	Post Production Sound
FVM 264	3	Digital Effects
MGD 143	3	Motion Graphic Design I
FVM 251	3	Feature Script Analysis

Course #	Credits	Course Title
FVM 267	3	Editing Aesthetics
FVM 271	3	Post Production III

Video Post-Production Credits…………….....................………45

Writing Directing for Film and Video Emphasis

(45 credits: 21 credits to complete CCA's A.G.S.; 24 additional hours for Regis Transfer)

Course #	Credits	Course Title
FVM 202	3	Film Video Business
FVM 155	3	Writing the Short Script
FVM 212	3	Contemporary Global Cinema
FVM 185 **OR**	3	Documentary Film
FVM 204	3	Art Direction
FVM 200 **OR**	3	Video Production II
FVM 220	3	16mm/HD Production
FVM 205	3	Camera Techniques
FVM 206 **OR**	3	Film Video Lighting
FVM 204	3	Art Direction
FVM 207	3	Directing Workshop
FVM 209	3	Production Management
FVM 215	3	Video Post Production II
FVM 229	3	Production III Preparation
FVM 250	3	Scriptwriting for Film Video
FVM 270	3	Film Video Production III
FVM 251	3	Feature Script Analysis
FVM 271	3	Post Production III

Writing Directing for Film and Video Credits 45

Writing Producing Emphasis

(45 credits: 21 credits to complete CCA's A.G.S.; 24 additional hours for Regis Transfer)

Course #	Credits	Course Title
FVM 202	3	Film Video Business
FVM 155	3	Writing the Short Script
FVM 212	3	Contemporary Global Cinema
FVM 185	3	Documentary Film
FVM 209	3	Production Management Techniques
FVM 216	3	Producing the Independent Film
FVM 200 **OR**	3	Video Production II
FVM 220	3	16mm/HD Production
FVM 229	3	Production Preparation
FVM 236	3	Producing I

FVM 250	3	Scriptwriting for Film Video
FVM 270	3	Production III
FVM 251	3	Feature Script Analysis
FVM 204	3	Art Direction
FVM 273	3	Professional Documentary Production
Elective	3	FVM Elective

Writing Producing Credits… 45

A.G.S. Degree, Film Video Media, Required Credits …………63

Additional Regis Credits, Taken at CCA................................. 24

TOTAL CREDITS FOR TRANSFER TO REGIS........................ 87

General Management

ASSOCIATE OF APPLIED SCIENCE

CROSSWALK

**General Education
Requirements: 43 credits**

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(4 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra

Social and Behavioral Science
(24 credits)

Course #	Credits	Course Title
ECO 201	3	Principles of Microeconomics
ECO 202	3	Principles of Macroeconomics
HIS 101	3	United States History I
HIS 102	3	United States History II
HIS 247 **OR**	3	Contemporary U.S. History
GEO 105	3	Geography
HUM 121	3	Humanities I
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics

Humanities
(6 credits)

Select two of the following

Course #	Credits	Course Title
PHI 114	3	Comparative Religions
PHI 115	3	World Religions – West
PHI 116	3	World Religions – East
PHI 214	3	Philosophy of Religion

General Education Credits…………………….................... 43

Degree Requirements: 48 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business I
BUS 217	3	Business Communication and Report Writing
BUS 226	3	Business Statistics (MAT 099 pre-req)
CIS 118	3	Introductions to PC Applications
CIS 161	1	Presentation Graphics I
MAN 116	3	Principles of Supervision
MAN 200	3	Human Resources I
MAN 225	3	Managerial Finance
MAN 226	3	Principles of Management
MAN 287	3	Internship
MAN 289	3	Management Information Systems
MAR 216	3	Principles of Marketing
MAR 240	3	International Marketing

Required Degree Credits………………. 48

A.A.S. Degree General Management Credits......................... 60

Additional Credits for Regis Crosswalk …………................. 31

TOTAL REQUIRED CREDITS... 91

Management with Emphasis in Computer Information Systems

ASSOCIATE OF APPLIED SCIENCE

CROSSWALK

General Education Requirements: 40 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(4 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra

Social and Behavioral Science
(9 credits)

Course #	Credits	Course Title
ECO 201	3	Principles of Microeconomics
ECO 202	3	Principles of Macroeconomics
GEO 105	3	Geography

Humanities Electives
(6 credits)

Select from the following courses

Course #	Credits	Course Title
PHI 114	3	Comparative Religions
PHI 115	3	World Religions–West
PHI 116	3	World Religions–East
PHI 214	3	Philosophy of Religion

Social/Behavioral Sciences/ Humanities Electives
(12 credits)

Course #	Credits	Course Title
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics

General Education Credits……………… 40

Degree Requirements: 57 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business I
BUS 217	3	Business Communication and Report Writing
BUS 226	3	Business Statistics (MAT 099 pre-req)
CIS 118	3	Introductions to PC Applications
CIS 161	1	Presentation Graphics I
CIS 268	3	Systems Analysis and Design
CNG 101	3	Introduction to Networking
CNG 130	3	PC Technology: Basic Hardware
CNG 131	3	Security Fundamentals
CWB 130	3	Dreamweaver
MAN 116	3	Principles of Supervision
MAN 200	3	Human Resources Management I
MAN 226	3	Principles of Management
MAN 287	3	Internship

MAR 216	3	Principles of Marketing
MAR 240	3	International Marketing

Required Degree Credits... 57

A.A.S. Degree, Management with Emphasis in Computer Science Systems Credits 60

Additional Credits for Regis Crosswalk................................. 34

TOTAL REQUIRED CREDITS... 97

Human Resource Management

CROSSWALK

General Education Requirements: 43 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(4 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra

Humanities Electives
(6 credits)

Select from the following

Course #	Credits	Course Title
PHI 114	3	Comparative Religions
PHI 115	3	World Religions - West
PHI 116	3	World Religions - East
PHI 214	3	Philosophy of Religion

Social/Behavioral Sciences and Humanities
(24 credits)

Course #	Credits	Course Title
HIS 247	3	Contemporary U.S. History
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
HUM 121	3	Humanities I
ECO 201	3	Principles of Microeconomics
ECO 202	3	Principles of Macroeconomics

General Education Credits 43

Degree Requirements: 51 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II

BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business I
BUS 217	3	Business Communication and Report Writing
BUS 226	3	Business Statistics (MAT 099 pre-req)
CIS 118	3	Introductions to PC Applications
CIS 161	1	Presentation Graphics I
MAN 116	3	Principles of Supervision
MAN 129	3	Labor Relations
MAN 200	3	Human Resources Management I
MAN 201	3	Human Resources Management II
MAN 226	3	Principles of Management
MAN 287	3	Internship
MAN 289	3	Management Information Systems
MAR 216	3	Principles of Marketing
MAR 240	3	International Marketing

Required Degree Credits..**51**

A.A.S. Degree, Human Resource Management Credits..........**60**

Additional Credits for Regis Crosswalk...................................**34**

TOTAL REQUIRED CREDITS..**94**

Marketing

ASSOCIATE OF APPLIED SCIENCE

CROSSWALK

General Education Requirements: 43 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(4 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra

Humanities Electives
(6 credits)

Select from the following

Course #	Credits	Course Title
PHI 114	3	Comparative Religions
PHI 115	3	World Religions–West
PHI 116	3	World Religions–East
PHI 214	3	Philosophy of Religion

Social/Behavioral Sciences and Humanities
(24 credits)

Course #	Credits	Course Title
HIS 247 **OR**	3	Contemporary U.S. History
GEO 105	3	Geography
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics
HUM 121	3	Humanities I
ECO 201	3	Principles of Microeconomics
ECO 202	3	Principles of Macroeconomics

General Education Credits………………….......................... **43**

Degree Requirements: 51 credits

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business I
BUS 217	3	Business Communication and Report Writing
BUS 226	3	Business Statistics (MAT 099 pre-req)
BUS 227	3	Principles of Purchasing
CIS 118	3	Introductions to PC Applications
CIS 161	1	Presentation Graphics I
MAN 225	3	Managerial Finance
MAN 226	3	Principles of Management
MAR 111	3	Principles of Sales
MAR 117	3	Retail Management
MAR 160	3	Customer Service
MAR 216	3	Principles of Marketing
MAR 220	3	Advertising and Promotion
MAR 240	3	International Marketing

Required Degree Credits………………….......................... **51**

A.A.S. Degree, Marketing Credits...**60**

Additional Credits for Regis Crosswalk................................**34**

TOTAL REQUIRED CREDITS………………….......................... **94**

Networking

ASSOCIATE OF APPLIED SCIENCE

CROSSWALK

General Education Requirements: 40 credits

Communication/English
(9 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I
ENG 122	3	English Composition II
COM 115	3	Public Speaking

Mathematics
(7 credits)

Course #	Credits	Course Title
MAT 121	4	College Algebra
MAT 135	3	Statistics

Social/Behavioral Science and Humanities
(18 credits)

Course #	Credits	Course Title
HIS 247	3	Contemporary U.S. History
HIS 101	3	Western Civilization: Antiquity - 1650
HIS 102	3	Western Civilization: 1650 - Present
HUM 121	3	Humanities I
PHI 111	3	Introduction to Philosophy
PHI 112	3	Ethics

Humanities Electives
(6 credits)
Select from the following

Course #	Credits	Course Title
PHI 114	3	Comparative Religions
PHI 115	3	World Religions - West
PHI 116	3	World Religions - East
PHI 214	3	Philosophy of Religion

General Education Credits 40

Degree Requirements: 50 credits

Course #	Credits	Course Title
BUS 217	3	Business Communication and Report Writing
CIS 118	3	Introductions to PC Applications
CIS 161	1	Presentation Graphics I
CIS 220	3	Fundamentals of UNIX
CIS 222	3	UNIX System Administration
CIS 232	3	UNIX Shell Programming
CSC 116	3	Logic and Program Design
CSC 225	4	Computer Architecture/Assembly Language Programming
CSC 230	3	Programming
CSC 231	3	Advanced C Programming
CSC 240	3	Java Programming
CSC 241	3	Advanced Java Programming
CNG 101	3	Introduction to Networking
CNG 131	3	Security Fundamentals
CNG 132	3	Principles of Security
CNG 268	3	System Analysis and Design
MAR 240	3	International Marketing

Required Degree Credits.. 50

A.A.S. Degree, Networking Credits.. 60

Additional Credits for Regis Crosswalk.................................. 30

TOTAL REQUIRED CREDITS.. 90

What's New

Approved Certificates

Project Management

Certificate Requirements: 24 credits

Required Business Core Courses

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Required Core Credits... 9

Management Required Courses

Course #	Credits	Course Title
MAN 242	3	Project Management Tools and Techniques
CIS 202	3	Automated Project Management: MS Office
MAN 267	3	Process Control-Project Management
MAN 256	2	Critical Chain Project Management
MAN 241	3	Project Management in Organizations
MAN 166	1	Project Team Building

Required Management Credits 15

PROJECT MANAGEMENT CERTIFICATE
TOTAL REQUIRED CREDITS... 24

APPROVAL PENDING A.A.S. DEGREES

Emergency Management / Homeland Security

ASSOCIATE OF APPLIED SCIENCE

General Education Requirements: 16 credits

English
(3 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition 1
ENG 131	3	Technical Writing

Mathematics
(4 credits)

Course #	Credits	Course Title
MAT 120	4	Mathematics for Liberal Arts

Social and Behavioral Sciences
(3 credits)

Select 1 course from the following

Course #	Credits	Course Title
ANT 101	3	Cultural Anthropology
PSY 101	3	General Psychology
SOC 101	3	Introduction to Sociology

Other
(3 credits)

Course #	Credits	Course Title
CIS 118	3	Introduction to Computer Applications

General Education Credits 16

Degree Requirements: 32 credits

Course #	Credits	Course Title
EMP 101	3	Principles of Emergency Management
EMP 105	3	Emergency Planning
EMP 106	3	Exercise Design Evaluation
EMP 107	3	Emergency Operations Center & Communications
EMP 201	3	Public Safety Applications
EMP 247	3	Decision Making in a Crisis
PSM 131	3	Intelligence and Homeland Security
PSM 134	3	Homeland Security: Critical Incident Response Management
PSM 204	3	Terrorism
PSM 280	5	Internship

Degree Required Credits... 32

Emergency Management / Homeland Security

A.A.S. DEGREE

Select 1 area of emphasis from the following

Emergency Medical Services (EMS)
Fire Science
Emergency Management/Homeland Security: Emergency Medical Services

ASSOCIATE OF APPLIED SCIENCE

Emphasis Requirements: 13 credits

Select 1 course from the following

Course #	Credits	Course Title
EMS 125	9	EMT-Basic
EMS 136	1	EMT Safety Issues in the Field
EMS 170	1	EMT Basic Clinical
HPR 178	2	Medical Terminology

Emergency Medical Services Emphasis, Required Credits.... 13

A.A.S. DEGREE, EMERGENCY MANAGEMENT/HOMELAND SECURITY EMERGENCY MEDICAL SERVICES EMPHASIS, TOTAL REQUIRED CREDITS... 61

Emergency Management / Homeland Security: Fire Science

ASSOCIATE OF APPLIED SCIENCE

Emphasis Requirements: 19 credits

Course #	Credits	Course Title
FST 100	9	Firefighter I
FST 102	3	Introduction to Fire Science & Suppression
FST 103	3	Occupational Health & Safety for Fire
FST 107	3	Hazardous Materials Operations (Level I)
PED 110	1	Fitness Center Activity I

Fire Science Emphasis, Required Credits 19

A.A.S. DEGREE, EMERGENCY MANAGEMENT/HOMELAND SECURITY FIRE SCIENCE EMPHASIS, TOTAL REQUIRED CREDITS... 66

New Media Design

General Education Requirements: 15 credits

English
(3 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I

Math
(3 credits)

Course #	Credits	Course Title
MAT 107	3	Career Mathematics

Arts, Humanities, Social Science
(9 credits)

Course #	Credits	Course Title
ART 110	3	Art Appreciation
ART 111	3	Art History I
OR		
ART 112	3	Art History II
SOC 101	3	Introduction to Sociology

Degree Requirements: 47 credits

Course #	Credits	Course Title
ART 121	3	Drawing I
ART 131	3	2D Design
ART 122	3	Drawing II
ART 150	3	Digital Art Foundations
MGD 101	3	Introduction to Computer Graphics
MGD 105	3	Type and Layout
MGD 111	3	Photoshop I
MGD 112	3	Adobe Illustrator I
MGD 116	3	Typography I
MGD 133	3	Graphic Design I
MGD 141	3	Web Design I
MGD 143	3	Motion Graphic Design I: (Software)
MGD 233	3	Graphic Design II
MGD 241	3	Web Design II
MGD 256	3	Graphic Design Production
MGD 268	2	Commercial Art Business

General Education .... 15 credits

Degree Requirements...................................... 47 credits

A.A.S. NEW MEDIA DEGREE,
   TOTAL REQUIRED CREDITS............................... 62 CREDITS

Respiratory Therapy

Associate of Applied Science Degree: 83 credits

General Education Core Requirement: 31 credits

Communication/English
(3 credits)

Course #	Credits	Course Title
ENG 121	3	English Composition I

Mathematics
(3 credits)

Course #	Credits	Course Title
MAT 107	3	Career Mathematics

Physical and Life Sciences
(22 credits)

Course #	Credits	Course Title
BIO 111	5	General College Biology I with Lab
BIO 201	4	Human Anatomy & Physiology I
BIO 202	4	Human Anatomy & Physiology II
BIO 204	4	Microbiology
CHE 101	5	Introduction of Chemistry I with Lab

Social and Behavioral Sciences
(3 credits)

Course #	Credits	Course Title
PSY 101	3	General Psychology I

Degree Requirements: 52 credits

Note: Degree requirements to be taken at Pickens Technical College

Course #	Credits	Course Title
RCA 105	1	Introduction to Respiratory Care
RCA 121	3	Fundamentals in Clinical Skills
RCA 132	5	Basic Techniques in Respiratory Care II
RCA 151	3	Cardiopulmonary Anatomy & Physiology
RCA 152	4	Cardiopulmonary Pathology
RCA 161	1	Cardiopulmonary Diagnostics I
RCA 165	3	Pharmacology of Cardiopulmonary Care
RCA 230	2	Critical Care I
RCA 232	2	Advanced Monitoring
RCA 251	3	Critical Care II
RCA 252	1	Cardiopulmonary Diagnostic II
RCA 253	3	Perinatal/Pediatric Respiratory Care

Course #	Credits	Course Title
RCA 259	3	Management of the Critically Ill
RCA 281	9	Internship I
RCA 283	9	Internship II

Respiratory Therapy, Required Credits...................................52

General Education Credits 31

Respiratory Therapy, Required Credits...................................52

A.A.S. DEGREE, RESPIRATORY THERAPY,
TOTAL REQUIRED CREDITS..83

Commercial Credit Analyst

Certificate Requirements: 25 Credits

Required Business Core Courses

Course #	Credits	Course Title
BUS 115	3	Introduction to Business
BUS 216	3	Legal Environment of Business
BUS 217	3	Business Communication & Report Writing

Required Core Credits..9

Commercial Credit Analyst Required Courses

Course #	Credits	Course Title
ACC 121	4	Principles of Accounting I
ACC 122	4	Principles of Accounting II
FIN 101	3	Introduction to Finance
FIN 212	3	Credit and Collections
FIN 235	2	Analysis of Financial Statements

Required Credits 16

COMMERCIAL CREDIT ANALYST CERTIFICATE
TOTAL REQUIRED CREDITS..25

Health Information Technology Implementation and Technical Support

Certificate Requirements: 19 Credits

Required Courses

Course #	Credits	Course Title
CIS 115	3	Introduction to Information Systems
OR		
CIS 114	3	Computing for Health IT
HIT 120	3	Working with IT Systems
HIT 121	3	Networking and Health Information
HIT 123	3	Configuring EHRs
HIT 175	1	Special Topics: Vendor Software
HIT 261	3	Health Care Software
MAN 241	3	Project Management in Organizations Report Writing

Required Credits 19

HEALTH INFORMATION TECHNOLOGY IMPLEMENTATION
AND TECHNICAL SUPPORT CERTIFICATE
TOTAL REQUIRED CREDITS...19

Health Information Technology Trainer

Certificate Requirements: 13 Credits

Required Courses

Course #	Credits	Course Title
CIS 115	3	Introduction to Information Systems
OR		
CIS 114	3	Computing for Health IT
HIT 111	3	Health Information Management
HIT 150	3	Health Care Delivery Systems
HIT 262	2	Usability and Human Factors
MAR 158	1	Basic Customer Service
EDU 222	1	Effective Teaching

Required Credits 13

HEALTH INFORMATION TECHNOLOGY TRAINER
CERTIFICATE TOTAL REQUIRED CREDITS 13

Academic Achievement

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: Assessment Sentence Skills and Reading Skills score of 25+ or ACT English score of 15+ and ACT Reading score of 14+.

Course Note: Does apply to CCA degrees or certificates.

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.

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: Appropriate assessment score.

Accounting

ACC 101 Fundamentals of Accounting
3 Credit hours   45 Contact hours
Presents the basic elements and concepts of accounting, with emphasis on the procedures used for maintaining journals, ledgers, and other related records, and for completion of end-of-period reports for small service and merchandising business.

Prerequisite: Successful completion of REA 060 (grade C or higher) or equivalent assessment scores and successful completion of MAT 060 (grade C or higher) or equivalent assessment scores.

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 121 (grade C or higher).

Course Note: Also available as an online class.

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 REA 060 (grade C or higher) or equivalent assessment scores (RC: 62+, ACT Reading 16+) and successful completion of MAT 060 (grade C or higher) or equivalent assessment scores.

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 REA 060 (grade C or higher) or equivalent assessment scores (RC: 62+, ACT Reading 16+) and successful completion of MAT 060 (grade C or higher) or equivalent assessment scores.

ACC 132 Tax Help Colorado
2 Credit hours   30 Contact hours
This course 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 REA 060 (grade C or higher) or equivalent assessment scores (RC: 62+, ACT Reading 16+) and successful completion of MAT 060 (grade C or higher) or equivalent assessment scores.

ACC 133 Tax Help Colorado Site Lab
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 Intermediate level.

Course Note: Students are required to work a minimum number of hours at the assigned tax site.

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.

Prerequisite: Successful completion of ACC 121 (grade C or higher) and CIS 155 (grade C or higher) or spreadsheet experience.

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 216 Governmental and Not-for-profit Accounting
3 Credit hours   45 Contact hours
Addresses concepts of budgetary control as a matter of law and public administration theory, and accounting principles and procedures necessary to implement budgetary controls for governmental units and other not-for-profit institutions and organizations.

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

ACC 225 Computerized Accounting II
3 Credit hours   45 Contact hours
Continues Computerized Accounting (ACC 125) with emphasis on the practical application of integrated accounting processes through the use of commercially available software. Includes software evaluation and selection, automated accounting systems controls, and system documentation.

Prerequisite: Successful completion of ACC 125 (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 227 Cost Accounting II
3 Credit hours   45 Contact hours
Continues ACC 226 and focuses on the decision-making aspects of managerial accounting, using electronic spreadsheet applications for assigned problems. Topics include product pricing strategy, capital budgeting, statement of cash flow, and application of linear programming.

Prerequisite: Successful completion of ACC 226 (grade C or higher).

ACC 231 Business Taxation
3 Credit hours   45 Contact hours
Introduces student 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.

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).

ACC 265 Review Course Enrolled Agent
3 Credit hours   45 Contact hours
Reviews concepts learned in study of accounting individual and business income tax, and ethical decision making as they relate to passing the IRS Enrolled Agent (EA) Exam.

Prerequisite: Successful completion of ACC 131 (grade C or higher), ACC 132 (grade C or higher), and ACC 231 (grade C or higher).

ACC 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: Successful completion of ACC 212 (grade C or higher).

American Sign Language (ASL)

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.
Course Note: Students must complete this course with a grade B or higher or pass an ASL proficiency test with a score of at least 80% or better prior to registering for ASL 122 if planning to enroll in the Interpreter Preparation Program at Front Range Community College or Pikes Peak Community College.

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.

Course Note: Students must complete this course with a grade B or higher or pass the ASL 121 proficiency test at 80% or better prior to acceptance into the Interpreter Preparation Program at Front Range Community College or Pikes Peak Community College.

ASL 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 Instructor.

Anthropology

ANT 101 Cultural Anthropology
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

ANT 107 Introduction to Archaeology
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

ANT 111 Physical Anthropology
3 Credit hours   45 Contact hours
Studies human biology and its effect on behavior. Includes principles of genetics and evolution, vertebrates and primates, human origins, human variation, and ecology.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

ANT 201 Introduction to Forensic Anthropology
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 ENG 060 (grade C or higher) or equivalent assessment score.

ANT 215 Indians of North America
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

ANT 221 Exploring Other Cultures I
3 Credit hours   45 Contact hours
Provides an anthropological understanding of a selected culture. Areas of study include the culture's language, processes of enculturation, culture's subsistence patterns and economics, kinship and descent, political organization, religion, art, history, and its reactions to the forces of globalization.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

ANT 250 Medical Anthropology

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.

Prerequisites: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

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 ENG 060 (grade C or higher) or equivalent assessment scores.

ANT 275 Special Topics in Anthropology

1-3 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 ENG 060 (grade C or higher) or equivalent assessment scores.

Arabic

ARA 101 Conversational Arabic I

3 Credit hours   45 Contact hours

Introduces beginning students to conversational Arabic and focuses on understanding and speaking Arabic. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

ARA 102 Conversational Arabic II

3 Credit hours   45 Contact hours

Continues the sequence for students who wish to understand and speak Arabic. Covers basic conversational patterns, expressions and grammar.

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

ARA 111 Arabic Language I

5 Credit hours   75 Contact hours

Begins a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the Arabic language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion of ENG 060 and REA 060 (grade C or higher) or equivalent assessment scores.

ARA 112 Arabic Language II

5 Credit hours   75 Contact hours

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

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

ARA 201 Conversational Arabic III

3 Credit hours   45 Contact hours

Continues the sequence for students to advance in their study of understanding and speaking Arabic. Focuses on intermediate level vocabulary, grammar, and expressions.

Prerequisite: Successful completion of ARA 102 (grade C or higher).

ARA 202 Conversational Arabic IV

3 Credit hours   45 Contact hours

Provides the fourth course in a sequence for intermediate students. The goal of foreign language learning is to acquire proficiency in communication skills (listening, speaking, writing and reading) and to develop an understanding of other cultures.

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

ARA 211 Arabic Language III

3 Credit hours   45 Contact hours

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

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

ARA 212 Arabic Language IV

3 Credit hours   45 Contact hours

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

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

ARA 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.

Art, Media, and Technology

ART 110 Art Appreciation

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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

ART 111 Art History – Ancient to Medieval

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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

ART 112 Art History – Renaissance to Modern

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 through the Modern periods.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores

Course Note: This is a statewide guaranteed transfer course.

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 122 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) or permission of Instructor.

ART 123 Watercolor I

3 Credit hours   90 Contact hours

Provides an introduction to the basic techniques and unique aspects of materials involved in the use of either transparent or opaque water media or both. Color theory is included.

Prerequisite: Successful completion of ART 121, ART 131 or its equivalent (grade C or higher), or permission of the Instructor.

ART 124 Watercolor II

3 Credit hours   90 Contact hours

Continues the study of watercolor techniques, emphasizing original compositions and experimentation with materials. Color theory is included.

Prerequisite: Successful completion of ART 123 (grade C or higher) or permission of Instructor.

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 permission of Instructor.

ART 138 Film Photography I

3 Credit hours   90 Contact hours

Introduces black and white photography as a fine art medium and develops skills necessary for basic camera lab operations. NOTE: Students must provide their own suitable 35 mm reflex or range finder cameras with one lens (preferably 50 mm) and purchase other supplies.

ART 139 Photography II

3 Credit hours   90 Contact hours

This course is a further exploration in camera and lab operations with an emphasis on individual creativity. It includes the development of a comprehensive portfolio.

Prerequisite: Successful completion of ART 138 (grade C or higher).

ART 143 Digital Photography I

3 Credit hours   90 Contact hours

Introduces the basic concepts of digital imaging as applied to photography. Using applicable technology and hands on experience, modern developments are presented leading to the present applications of digital imaging which combine traditional photographic ideas with electronic media. Enables the student to learn how to operate image manipulation software using a variety of scanning equipment, software tools and output devices by executing new assignments and applying these technologies to their photographic process.

ART 150 Digital Art Foundations I

3 Credit hours   90 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 MGD 102 (grade C or higher).

ART 152 Mixed Media I: Digital Fine Art Techniques

3 Credit hours   90 Contact hours

Introduces students to the design and creation of fine-art composites that involve the combinations of techniques, texture, drawing, painting, photography, and objects, and emphasizes the computer as an art tool. In addition to incorporating technology-based vocabulary as it relates to fine-art technique, vector and rastor applications are explored for the creation of montage and collage. No computer experience is necessary.

ART 156 Figure Drawing I

3 Credit hours   90 Contact hours

Introduces the basic techniques of drawing the human figure.

Prerequisite: ART 121 (grade C or higher) or permission of Instructor.

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 162 Ceramics II

3 Credit hours   90 Contact hours

Continues ART 161, emphasizing skill, techniques and form.

Prerequisite: Successful completion of ART 161 (grade C or higher).

ART 207 Art History - 1900 to Present

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.
Course Note: This is a statewide guaranteed transfer course.

ART 209 Studio Art

3 Credit hours   90 Contact hours

Designed for advanced students interested in further exploring an art discipline to develop a more comprehensive portfolio.

Prerequisites: Successful completion of ART 221 or ART 213 (grade C or higher).

ART 211 Painting I

3 Credit hours   90 Contact hours

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

ART 212 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 211 (grade C or higher) or permission of Instructor.

ART 213 Painting III

3 Credit hours   90 Contact hours

Provides continued exploration of 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 212 (grade C or higher) or permission of Instructor.

ART 214 Painting IV

3 Credit hours   90 Contact hours

Explores advanced techniques, materials, and concepts used in opaque painting processes, with emphasis on the development of themes and a cohesive body of work.

Prerequisite: Successful completion of ART 213 (grade C or higher) or permission of Instructor.

ART 221 Drawing III

3 Credit hours   90 Contact hours

Offers continued study of expressive drawing techniques and development of individual style, with emphasis on composition and technique variation.

Prerequisite: Successful completion of ART 122 (grade C or higher) or permission of Instructor.

ART 222 Drawing IV

3 Credit hours   90 Contact hours

Explores advanced drawing problems with emphasis on conceptual development and portfolio and/or exhibition quality presentation.

Prerequisite: Successful completion of ART 221 (grade C or higher) or permission of Instructor.

ART 233 Color Theory

3 Credit hours   90 Contact hours

Explores the properties and concepts of color for application in fine art, commercial art and/or applied arts using various traditional fine art techniques and materials.

ART 238 Film Photography II

3 Credit hours   90 Contact hours

This course is a further exploration in film camera and lab operations with an emphasis on individual creativity. It includes the development of a comprehensive portfolio.

Prerequisite: Successful completion of ART 138 (grade C or higher) or permission of Instructor.

ART 243 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 143 (grade C or higher)

ART 251 Portrait Photography

3 Credit hours   90 Contact hours

Teaches the technical and aesthetic aspects of studio and location portrait photography. Explores the personal style of portraiture, history of the field, and portraiture as a visual language and creative expression. Also includes lighting, composition, posing, and equipment selection.

ART 256 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 156 (grade C or higher) or permission of Instructor.

ART 261 Ceramics III

3 Credit hours   90 Contact hours

Encourages students to develop an individual style of wheel thrown and hand built ceramic forms with continuing involvement in surface treatment.

Prerequisite: Successful completion of ART 162 (grade C or higher).

ART 262 Ceramics IV

3 Credit hours   90 Contact hours

Continues advanced work with emphasis on various clay bodies, unique glazes and engobes, combining different textures and shapes, and development of personal forms.

Prerequisite: Successful completion of ART 261 (grade C or higher).

ART 264 Marketing for the Visual Artist

3 Credit hours   45 Contact hours

Provides students with the framework, tools, and professional materials necessary for the practicing visual artist. Guidelines for writing proposals, artist's statements, and resumes are discussed and practiced. Explores theoretical and practical considerations related to portfolio presentation and exhibiting artwork through hands-on activities, readings, and discussion.

ART 265 The Business of Visual Art

3 Credit hours   45 Credit Hours

Introduces students to the principles and practices involved in creating and operating arts organizations in the profit and not-for-profit art world.

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.

JRD 215 Jewelry Design I

3 Credit hours   60 Contact hours

Introduces custom jewelry design procedures and techniques.

JRD 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.

MGD 101 Introduction to Computer Graphics

3 Credit hours   60 Contact hours

Introduces the student to the computer system developed for graphics. The student will learn the hardware and software components for multimedia production. Each student will explore basic computer operations, ergonomics, file management, scanning techniques, archiving capabilities, and utilization of the multimedia department server and internet connection.

MGD 102 Introduction to Multimedia

3 Credit hours   60 Contact hours

Introduces the types of equipment and technical considerations used in multimedia productions and the multimedia professions. It focuses on current types of equipment such as scanners, printers, digital cameras and computers. Students gain hands-on experience in how the technology is utilized for input and output in production and design projects. Overview of software and basic design principles will be explored.

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.

MGD 106 Creativity and Visual Thinking

3 Credit hours   60 Contact hours

Introduces the visual and oral skills necessary to analyze works art and design, articulate complex ideas, then present the solution cogently in 2-D and 3-D projects and presentation skill building. The underlying philosophy of what we see, how we see and what we do with it is the major concern of this class.

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.

Prerequisites: MGD 102 and successful completion of ENG 060 (grade C or higher) or equivalent assessment scores

MGD 112 Adobe Illustrator I

3 Credit hours   60 Contact hours

Acquaints students with the processes of a vector drawing program on the computer. Students learn how to use the tools to create digital artwork that can be used in web design, print media and digital screen design.

Prerequisites: MGD 102 and successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

MGD 116 Typography I

3 Credit hours   60 Contact hours

Introduces the history and concepts of typography as applied to graphic communications. Explores appropriate use of typography in a variety of design applications, emphasizing the basic design principles of typographic compositions and typesetting. Covers type recognition and typographic terms.

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.

MGD 122 Sculpting for Digital Media

3 Credit hours   60 Contact hours

Introduces students to conceptualization of surface coloration, painting and manipulation of 3D objects and environments. Students will construct sculptures using organic, inorganic, abstract, and realistic subject matter.

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.

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. Screen-based color theory, web aesthetics, use of graphics editors and intuitive interface design are explored.

Prerequisites: MGD 102 and successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

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. Students will learn how to animate objects, create symbols, and assemble motion tweens.

Prerequisites: MGD 102 and successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

MGD 201 Children's Book Illustration
3 Credit hours   60 Contact hours
Studies the artist's role as a visual storyteller, with completion of a finished projects to portfolio. Covers adapting a story into character development, story boarding, visual; editing and constructing the final "drawing". Special attention to specifications, deadlines, reproduction requirements and professionalism.

Prerequisite: Successful completion of ART 150 (grade C or higher) or permission of Department Chair

MGD 207 Illustration I
3 Credit hours   60 Contact hours
Addresses methods and techniques used in the profession of illustration for advertising, brochures, books and other forms of printed communications. Course concentrates on developing expertise in producing line and continuous-tone black-and-white art with emphasis on design and the creation of art for reproduction.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or permission of the Department Chair

Course note: For comics and graphic novels

MGD 208 Illustration II
3 Credit hours   60 Contact hours
Addresses methods and techniques used in the illustration profession beyond those covered in Illustration I. Course concentrates on developing expertise in producing color art for reproduction.

Prerequisite: Successful completion of MGD 207 (grade C or higher)

Course note: For comics and graphic novels

MGD 209 Illustration III
3 Credit hours   60 Contact hours
Continues Illustration II with added emphasis on conceptual development and proficiency in technique.

Prerequisite: Successful completion of MGD 207 (grade C or higher)

Course note: For comics and graphic novels

MGD 210 Illustration IV
3 Credit hours   60 Contact hours
Covers advanced illustration techniques including manual, computer, and mixed media techniques.

Prerequisite: Successful completion of MGD 207 (grade C or higher)

Course note: For comics and graphic novels

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 212 Adobe Illustrator II
3 Credit hours   60 Contact hours
Enables the student to continue development of electronic drawing skills through practice and use of state of the art illustration software.

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

MGD 213 Electronic Prepress
3 Credit hours   60 Contact hours
Explores in detail the electronic prepress process. Students examine steps for preparing a digital file for trapping, output considerations and proofing techniques. Creating effective electronic designs and efficient use of today's software programs are also covered.

Prerequisite: Successful completion of MGD 111 or MGD 112 (grade C or higher) or permission of the Department Chair

MGD 217 Typography II
3 Credit hours   60 Contact hours
Expands the investigation of typographic form, function and meaning within the context of contemporary visual language. Students will learn to effectively use typography as a solution to many diverse visual language applications. Students will build conceptualization skills while further experimenting with the aesthetic, formal and functional role typography plays in the creation of meaning. Students will learn how type is applied to grid systems and will explore an increasing complexity of content organization, encompassing multipage formats, websites, and systems design considerations.

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.

MGD 223 Graphic Storytelling I
3 Credit hours   60 Contact hours
Addresses the artistic methods and techniques used in the development of sequential art. Course concentrates on developing conceptual and technical skills necessary to produce shorter format comic and comic strip art. Emphasis will be placed on contemporary B&W comic illustration techniques.

MGD 224 Graphic Storytelling II
3 Credit hours   60 Contact hours
Addresses storytelling methods, techniques and strategies used in the development of sequential art. Course concentrates on expanding student's ability to develop narrative content essential for effective graphic storytelling.

MGD 225 Graphic Storytelling III
3 Credit hours   60 Contact hours
Addresses the conceptualization and production of short-form graphic storytelling projects. Students will begin to identify and refine their own personal artistic and narrative style while developing several concepts and finished examples of contemporary short-form projects. Students will learn the basic structure of the contemporary short-form comic market.

MGD 226 Graphic Storytelling IV
3 Credit hours   60 Contact hours
Addresses the conceptualization and production of long-form graphic storytelling projects. Students will continue to refine their own personal artistic and narrative style while developing several concepts and finished excerpts of contemporary long form projects. Students will learn the basic structure of the contemporary long form comic market.

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 235 Word and Image 1: Comics
3 Credit hours   60 Contact hours
Presents a selected overview of the origins and development of narrative illustration as it relates specifically to the genre of comics. Students will explore the fundamentals of developing and illustrating comics, encompassing single panel comics, and word + image based comics.

MGD 236 Word and Image 2: Graphic Novels
3 Credit hours   60 Contact hours
Presents a selected, global analysis of the contemporary graphic novel. Students will learn the fundamentals of writing and illustrating graphic novels by examining narrative, aesthetic and compositional strategies important to effective graphic storytelling.

MGD 241 Web Design II
3 Credit hours   60 Contact hours
Expands on previously learned fundamentals of HTML introducing cascading style sheets, DHTML, JavaScripts 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 ENG 060 (grade C or higher) or equivalent assessment score

MGD 243 Web Motion Graphic Design II
3 Credit hours   60 Contact hours
Stresses the complex creation of 2D animated motion graphics concentrating on the prior skills learned and the use of scripting and behaviors. Students will create motion graphics using these skills and apply them to web sites. Web site justification of motion graphics will be stressed, appraised and weighed.

Prerequisite: Successful completion of MGD 143 (grade C or higher)

MGD 256 Graphic Design Production
3 Credit hours   60 Contact hours
Provides an opportunity to combine several draw and paint applications into one design and layout class. Students will explore advanced techniques in creating and designing computer art.

Prerequisite: Successful completion of ART 150 (grade C or higher) or permission of the Department

MGD 268 Commercial Art Business
3 Credit hours   45 Contact hours
Presents a guide to freelance work and a study of business practices and procedures unique to commercial art including billing rates, client management, business forms, employee management, taxes, licenses, registration, bid processes and self-promotion. Course may include visits by professionals in the field and discussion of career opportunities and professional organizations.

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 143 (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 143 (grade C or higher)

PHO 240 Field Techniques and Exploration
1 Credit hour   30 Contact hours
Focuses on the exploration, personal inspiration and the development of an expressive style beyond the influence of the college local and its geographic confines. Lecture/demonstration topics will include film, exposure, care and use of equipment, light and composition as well as preparation for the field component of this course.

Course Note: At Rocky Mountain National Park

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 143 (grade C or higher)

Astronomy

AST 101 Astronomy I
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 REA 060, ENG 060, and MAT 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

AST 102 Astronomy II
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 REA 060, ENG 060, and MAT 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

Biology

BIO 105 Science of Biology
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 REA 060 and ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

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 REA 060 and ENG 060 (grade C or higher) or equivalent assessment score.

BIO 111 General College Biology I with Lab
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 REA 060 and ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

BIO 112 General College Biology II with Lab
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).

Course Note: This is a statewide guaranteed transfer course.

BIO 135 Human Nutrition
Refer to HWE 100 under "Health Wellness Education."

BIO 201 Human Anatomy and Physiology I
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 106 or BIO 111 (grade C or higher) or equivalent or permission of Department Chair.

Course Note: This is a statewide guaranteed transfer course.

BIO 202 Human Anatomy and Physiology II

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).

Course Note: This is a statewide guaranteed transfer course.

BIO 204 Microbiology

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).

Course Note: This is a statewide guaranteed transfer course.

BIO 208 General College Microbiology

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.

Course Note: This is a statewide guaranteed transfer course.

BIO 216 Human Pathophysiology

4 Credit hours   60 Contact hours

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

Prerequisite: Successful completion of BIO 201 and BIO 202 (grade C or higher).

BIO 220 General Zoology

5 Credit hours   75 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 emphasizes 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 111 (grade C or higher) or equivalent or permission of the Department Chair.

Course Note: This is a statewide guaranteed transfer course.

BIO 221 Botany

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).

Course Note: This is a statewide guaranteed transfer course.

BIO 222 General College Ecology

4 Credit hours   60 Contact hours

Studies the interrelationships between organisms and their environment. Covers composition and function of aquatic and terrestrial ecosystems, population biology, pollution, and the effects of man on ecosystems. Includes laboratory and field experiences.

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

BIO 224 Genetics

4 Credit hours   60 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 111 (grade C or higher) or equivalent or permission of the Department Chair.

BIO 228 Field Biology III

4 Credit hours   60 Contact hours

Involves in-depth field study of natural environments within and outside of the United States. The course varies from seven to twenty-one days in length. Focus is on the identification of organisms as well as an examination of ecological concepts and principles. Requires hands-on laboratory and field experience (includes extensive hiking).

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

BIO 270 Bio Techniques. 9-12 Teachers

0-12 Credit hours   TBA Contact hours

Designed to introduce high school teachers to Recombinant DNA Technology as it is used in biomedical research. Basic information on the structure and function of DNA as the genetic material is briefly covered before the students are guided through a series of laboratory exercises designed to give hands on experience with some of the more important techniques used in current molecular biology. This laboratory experience will prepare them to teach the same techniques to students in their high school class room Techniques used include: DNA isolation, Polymerase Chain Reaction (PCR), gel electrophoresis, and bacterial transformation

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.

Biotechnology

Biotechnology is a life sciences field that supports six distinct areas: molecular and cellular biology, pharmaceuticals, bio-agriculture, bioremediation, and manufacturing and material design. For students or for professionals already working in the field of biotechnology, the hands-on and real-time laboratory experience will deliver the specialized training needed to excel in the industry.

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), BIO 105 or BIO 111 (grade C or higher) or equivalent or permission of the Department Chair.

BIO 265 Techniques in Cell Culture and Protein Production

4 Credit hours   90 Contact hours

Teaches students the methods commonly used in biotech manufacturing facilities. Includes eukaryotic cell culture, prokaryotic fermentation, and protein production and purification. Requires hands-on laboratory experience.

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

BIO 268 Cell Biology and Immunology
4 Credit hours   90 Contact hours
Provides an introduction to research in cell biology. Student performs hands-on laboratory techniques to include cell isolation and culture, subcellular fractionation, protein isolation, protein and enzyme assays, electrophoresis and various monoclonal-antibody techniques. Is part of the Biotechnology Program Professional/Vocational Core.

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

BIO 269 Nucleic Acid Techniques and Molecular Cloning
4 Credit hours   90 Contact hours
Introduces Recombinant DNA technology as it is used in Biomedical Research. Covers basic information on the structure and function of DNA as a genetic material before students are guided through a research project involving the isolation and sequence analysis of a gene. Students perform hands-on laboratory techniques on non-infectious material to include PCR, gel electrophoresis, molecular cloning, and automated DNA sequencing.

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

BIO 280 Biotechnology Internship
3 Credit hours   135 Contact hours
Incorporates a required component of the biotechnology certificate and serves as a capstone experience. Students gain real-time experience by working in a company laboratory.

Prerequisite: Successful completion of BIO 268 and BIO 269 (grade C or higher).

Business

BUS 102 Entrepreneurial Operations
3 Credit hours   45 Contact hours
Covers the major aspects of small business management to enable the entrepreneur to successfully begin his own business. This course provides the basic concepts of marketing, principles of management and finance needed to manage a small business. Further it develops the business plan and suggests methods of obtaining the financing required to launch the business.

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.

BUS 116 Personal Finance
3 Credit hours   45 Contact hours
Surveys the basic personal financial needs of most individuals. Emphasizes the basics of budgeting and buying, saving and borrowing money, the intricacies of home ownership, income tax and investments, and the wise use of insurance, wills, and trusts.

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, and laws impacting labor-management issues, and environmental concerns. Students develop an understanding of the role of law in social, political, and economic change.

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 ENG 060 or appropriate assessment score (SS: 70+ or ACTE 17).

BUS 221 Business Law I
3 Credit hours   45 Contact hours
Introduces Business Law and covers the foundations of the legal system, contract, property, and cyber law.

BUS 226 Business Statistics
3 Credit hours   45 Contact hours
Focuses on statistical study, descriptive statistics, probability, the binominal distribution, index numbers, time series, decision theory, confidence intervals, linear regression, and correlation. Intended for business majors.

Prerequisite: Successful completion of MAT 099 (grade C or higher) and successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

BUS 227 Principles of Purchasing
3 Credit hours   45 Contact hours
Covers the management of the purchasing activity and the control of materials in business, government, and organizations.

SBM 101 Starting a Small Business
1 Credit hour   15 Contact hours
Provides a brief overview of various topics related to starting a small business. Some topics are types of businesses, location, image, insurance, permits, and licenses.

Chemistry

CHE 101 Introduction to Chemistry I with Lab
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 MAT 090 or above (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

CHE 102 Introduction to Chemistry II with Lab
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).

Course Note: This is a statewide guaranteed transfer course.

CHE 111 General College Chemistry I with Lab
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 or one year of high school chemistry AND MAT 099 (grade C or higher)

Co-requisite: MAT 121 (if not previously completed).

Course Note: This is a statewide guaranteed transfer course.

CHE 112 General College Chemistry II with Lab
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).

Course Note: This is a statewide guaranteed transfer course.

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
Continues the investigation into 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 the first semester. 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).

Chinese

CHI 101 Conversational Chinese I
3 Credit hours   45 Contact hours
Introduces beginning students to conversational Chinese and focuses on understanding and speaking Chinese. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

CHI 102 Conversational Chinese II
3 Credit hours   45 Contact hours
Continues the sequence for students who wish to understand and speak Chinese. Covers basic conversational patterns, expressions and grammar.

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

CHI 111 Chinese Language I
5 Credit hours   75 Contact hours
Focuses on the development of functional proficiency in listening, speaking, reading and writing the Chinese language. Note: The order of the topics and methodology varies according to individual texts and instructors.

Prerequisite: Successful completion on ENG 060 and REA 060 (grade C or higher) or equivalent assessment scores.

CHI 112 Chinese Language II
5 Credit hours   75 Contact hours
Continues Chinese Language I in the development of functional proficiency in listening, speaking, reading and writing the Chinese language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

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

CHI 201 Conversational Chinese III
3 Credit hours   45 Contact hours
Continues the sequence for students who wish to continue their study of understanding and speaking Chinese. Covers intermediate level vocabulary, grammar, and expressions.

Prerequisite: Successful completion of CHI 102 (grade C or higher).

CHI 202 Conversational Chinese IV
3 Credit hours   45 Contact hours
Continues the sequence for students who wish to understand and speak Chinese. Covers intermediate level conversational patterns, expressions, and grammar.

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

CHI 211 Chinese Language III
3 Credit hours   45 Contact hours
Focuses on the further development of functional proficiency in listening, speaking, reading and writing the Chinese language.

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

CHI 212 Chinese Language IV
3 Credit hours   45 Contact hours
Focuses on the further development of functional proficiency in listening, speaking, reading and writing the Chinese language. A continuation of Chinese III.

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

CHI 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 Instructor.

Communication

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 ENG 060 (grade C or higher) or equivalent assessment scores.

COM 121 College Survival Skills
3 Credit hours   45 Contact hours
Enables students to identify and develop strategies and skills necessary to meet successfully the challenges and expectations of the college experience. In addition students explore resources available at their institution and elsewhere that can aid their success in college and in the workplace.

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 ENG 060 (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
3 Credit hours   45 Contact hours
Explores the link between culture and communication and will develop and/or enhances communication skills and the abilities appropriate to a multicultural society. Emphasis will be on understanding diversity within and across cultures. Relevant concepts include perception, world view, context, ethics, language, and nonverbal communication.

Prerequisite: Successful completion of COM 115 (grade C or higher).

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 261 Effective Meetings
1 Credit hour   15 Contact hours
Focuses on making meetings more productive. Students learn to facilitate and participate in meetings as communication events through preparing and managing an agenda, roles and responsibilities, and time management.

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 267 Teamwork
1 Credit hour   15 Contact hours
Builds on teamwork skills and enables the student to gain insight into what makes teamwork successful. Focuses on a variety of strategies to understand team functioning including in-class exercises, problem-solving simulations and lecture.

Computer Assisted Drafting

CAD255 SolidWorks/Mechanical
Credit hours 3   Contact hours 45
Introduces basic non-parametric 3D concepts to build confidence in 3D thinking and progresses to three-dimensional parameters. The student learns to construct, modify, and manage complex parts in 3D space as well as to produce 2D drawings from the 3D models.

CAD256 SolidWorks Basics
Credit hours 6   Contact hours 90
Examines the basics of SolidWorks software to produce parametric models.

CAD257 SolidWorks Intermediate
Credit hours 6   Contact hours 90
Teaches the student to apply intermediate SolidWorks applications to produce parametric models of parts and assemblies.

Computer Information Systems

BTE 100 Computer Keyboarding
1 Credit hour   15 Contact hours
Designed for students who have minimal or no keyboarding skills. Introduces the touch method of keyboarding as well as basic operation and functions of the equipment. Emphasizes learning the alphanumeric keyboard, proper technique, and speed control.
Corequisite: BTE 111.

BTE 108 Ten-Key by Touch
1 Credit hour   15 Contact hours
Introduces touch control of the ten-key pad. Emphasizes the development of speed and accuracy using proper technique.

BTE 111 Keyboarding Speed Building I
2 Credit hours   30 Contact hours
Designed to increase speed and improve accuracy in keyboarding on the PC through the use of correct techniques and concentrated effort.
Corequisite: BTE 100.

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.
Course Note: Also available as an online class.

CIS 102 Computer Assistive Technology (Dragon, Jaws, Zoom Text)
3 Credit hours   45 Contact hours
Introduces assistive technology and alternative methods for utilization of computer systems. Depending upon student need or interest, the student selects the AT or method. Options include voice recognition, screen readers, screen enlargement, keyboard modification, word predication, reading enhancement programs, and alternative data entry methods.

CIS 103 Learning Windows
1 Credit hour   15 Contact hours
Provides foundational skills in Windows operating system for personal use. This course is designed for the more mature learner and/or those students who wish to advance at a slower pace.

CIS 104 Word Processing with Assistive Technology
3 Credit hours   45 Contact hours
Provides training in the functions, features, and uses of assistive technology and alternative methods. Covers the introduction of standard word processing features needed for proper presentation of college or business papers and the methodology to successfully use the assistive technology/alternative method in continuing educational or employment environments.

CIS 105 Learning Email & the Internet
1 Credit hour   15 Contact hours
Provides foundational skills in email and Internet applications for personal use. This course is designed for the more mature learner and/or the student who wishes to advance at a slower pace.

CIS106 Learning MS Word
1 Credit hour   15 Contact hours
Provides foundational skills in Microsoft Word for personal use. This course is designed for the more mature learner and/or the student who wishes to advance at a slower pace.

CIS 108 Learning MS Excel
1 Credit hour   15 Contact hours
Provides foundational skills in Microsoft Excel for employment/personal development. This course is designed for the more mature learner and/or those students who wish to advance at a slower pace.

CIS 110 Introduction to the PC
1 Credit hour   15 Contact hours
Provides the beginning computer user with hands-on experience in the elementary use of the personal computer. Introduces the basic features of and the terminology associated with personal computers, including topics such as database, spreadsheets, and word processing.
Corequisite: CIS 115.

CIS 114 Computing for Health IT
3 Credit hours   45 Contact hours
This is an introductory course in Computer Information Systems for Healthcare professionals. The focus of the class will be on computers as applied to Healthcare needs. The class will cover data representation, data communication, data storage, networking architecture and security. Network security will be covered as it relates to Electronic Health Records and Healthcare Privacy issues. The class will provide an introduction to computer programming and database management.

CIS 115 Introduction to Computer Information Systems
3 Credit hours   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.
Corequisite: CIS 110.

CIS 118 Introduction to PC Applications
3 Credit hours   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.
Corequisite: CIS 161.

CIS 120 Technology for Career Development
1 Credit hour   15 Contact hours
Prepare students to actively pursue a career path. This course will emphasize awareness of career opportunities through the use of career assessment tools, academic advising and career professionals. It will provide students with skills assessment tools, professional development activities, and information for creating and maintaining an electronic career portfolio.

CIS 124 Introduction to Operating Systems
3 Credit hours   45 Contact hours
Introduces concepts, terminology, and hand-on skills in the use of DOS and Windows. Emphasizes navigation, file manipulation, file creation, and troubleshooting.

CIS 128 Windows Complete
3 Credit hours   45 Contact hours
Introduces the functions and capabilities of Microsoft Windows. Includes configuring and modifying the operating system environment.

CIS 129 Advanced Windows

3 Credit hours 45 Contact hours
Introduces the more advanced concepts of the Windows operating system. Topics include resource management, interactive booting, opening DOS sessions, customizing desktop properties, navigating folders, installing and uninstalling software, multitasking, task switching, disk optimization, troubleshooting tools, evaluating system performance, software installation, and use of the Windows Registry.

Prerequisite: Successful completion of CIS 128 (grade C or higher) or department approval.

Course Note: Offered in the Fall Term only

CIS 135 Complete PC Word Processing (Word)

3 Credit hours 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.

CIS 136 Microsoft Office Specialist Certification: Word

1 Credit hour 15 Contact hours
Prepares students for the Microsoft Office Specialist certification examination for Word. Students use software to determine strengths and weaknesses and elect to review and prepare for either the Core or Expert level exam.

Prerequisite: Successful completion of CIS 135 (grade C or higher).

CIS 145 Complete PC Database (Access)

3 Credit hours 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.

CIS 155 PC Spreadsheet Concepts (Excel)

3 Credit hours 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.

CIS 159 Microsoft Office Specialist Certification Prep: Excel

1 Credit hour 15 Contact hours
Prepares students for the Microsoft Office Specialist certification examination for Excel. Students use software to determine strengths and weaknesses and elect to review and prepare for either the Core or Expert level Certification exam. The MOUS test is not included in this course.

Prerequisite: Successful completion of CIS 155 (grade C or higher).

CIS 161 Presentation Graphics I (Power Point)

1 Credit hour 15 Contact hours
Introduces the development of presentation graphics materials including graphs, charts, illustrations, and diagrams. Emphasizes effective communication.

Corequisite: CIS 118

CIS 162 Presentation Graphics II (Power Point)

1 Credit hour 15 Contact hours
Focuses on delivery and integration of presentation software. Students will learn to rehearse, modify, and deliver their presentations. Emphasizes the integration features of the software as students learn how to share presentations, how to work together on development of presentations, and how to integrate their presentations with other programs.

Corequisite: CIS 218.

CIS 165 Complete Presentation Graphics (Power Point)

3 Credit hours 45 Contact hours
Focuses on the development of presentation graphics materials including graphs, charts, illustrations, and diagrams. Emphasizes effective communication through computerized presentations. Covers features of the software and effective presentation techniques.

CIS 169 Microsoft Office Specialist Certification Prep: PowerPoint

1 Credit hour 15 Contact hours
Prepares students for the Microsoft Office Specialist certification examination for PowerPoint. Students use software to determine strengths and weaknesses and elect to review and prepare for the Core level Certification exam.

Prerequisite: Successful completion of CIS 165 (grade C or higher).

CIS 202 Automated Project Management: Microsoft Office Project

3 Credit hours 45 Contact hours
Provides an in depth exploration of project management techniques that use software to automate the project management processes. The course emphasizes project management strategies, goal setting and communication with team members, management and vendors. Critical thinking, discussion, and real world projects will be used to explore the creation of a task list, resource assignment and leveling. Students will learn to use GANTT charts, milestones, Critical Path Methodology, PERT, project tracking and reporting.

CIS 218 Advanced PC Applications

3 Credit hours 45 Contact hours
Covers the advanced capabilities of a PC software applications suite. Emphasizes solving business problems by integrating data from all of the software applications that facilitate production of useful information. Printed documents, reports, slides, and forms are produced to communicate information.

Prerequisite: Successful completion of CIS 118 (grade C or higher) or department approval.

Corequisite: CIS 162.

CIS 220 Fundamentals of UNIX

3 Credit hours 45 Contact hours
Covers the structure and fundamentals of the UNIX operating system. Includes the files system and file processing, various utility programs, and shell multi-user operation, text processing, and communications.

CIS 222 UNIX System Administration

3 Credit hours 45 Contact hours
Introduces the UNIX/Linux operating system and covers the skills required to install, configure, and operate a UNIX/Linux system.

Prerequisite: Successful completion of CIS 232 (grade C or higher) or department approval.

CIS 232 Unix Shell Programming

3 Credit hours 45 Contact hours
Covers simple scripts to automate frequently executed commands followed by an explanation of adding conditional logic, user interaction, loops, menus, traps and functions to enhance the productivity and effectiveness of the user. In addition, students explore in detail Bourne and Korn shell scripting languages.

Prerequisite: Successful completion of CIS 220 (grade C or higher).

CIS 244 SQL PL/SQL

3 Credit hours 45 Contact hours
Provides a detailed introduction to the Structured Query Language (SQL) as used in modern relational database systems. Students will develop skills in storing, retrieving, and manipulating data using SQL as well as in defining database objects using the portion of SQL known as the Data Definition Language (DDL). Also provides a detailed introduction to the PL/SQL programming language integral to some widely-used relational database systems such as Oracle. Students will learn to create and maintain blocks of PL/SQL code that are used and shared by multiple forms, reports, and program libraries. Users will learn to implement database triggers and other coded structures applicable to client/server databases.

Prerequisite: Successful completion of CIS 251 (grade C or higher).

CIS 246 Oracle Database Administration I

4 Credit hours 60 Contact hours
Provides a foundation in basic Oracle architecture, storage structure, and database administrative tasks. Emphasizes the knowledge and skills to create databases and data dictionary views, and to manage Oracle instances, tables, table spaces, data files, control files, redo log files, and rollback segments.

Prerequisite: Successful completion of CIS 251 (grade C or higher).

CIS 251 Introduction to Structured Query Language (SQL)

3 Credit hours   45 Contact hours

Introduces students to ANSI SQL which is the basis for most other Structured Query Languages. Students learn to query and update data, create tables and views, use indexes, secure data, develop stored procedures and triggers learned object relational concepts, and develop applications with embedded SQL and ODBC.

CIS 263 PC Help Desk Skills

3 Credit hours   45 Contact hours

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

CIS 268 Systems Analysis and Design I

3 Credit hours   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 ENG 060 (grade C or higher) or equivalent assessment scores and successful completion of CIS 128, CNG 101 (grade C or higher). One programming language should be taken in the final semester.

Computer and Networking Technology

CNG 101 Introduction to Networking

3 Credit hours   45 Contact hours

Focuses on underlying concepts of data communications, telecommunications, and networking. Emphasizes the terminology and technologies in current networking environments and provides a general overview of networking as a basis for continued study in the field.

CNG 121 Computer Technician I A+

4 Credit hours   60 Contact hours

Provides students with an in-depth look at personal computer hardware, introduces O.S. features and security concepts, and covers interpersonal skills, 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 CompTIA A+ Essentials Exam.

Corequisite: CNG 122

CNG 122 Computer Technician II A+

4 Credit hours   60 Contact hours

Provides students with an in-depth look at Operating System support, maintenance, and troubleshooting, and an overview of hardware, 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 Windows 2000 and/or XP, including using common GUI and command line tools, registry editing, System backup and Recovery, Networking, and O.S. Troubleshooting. This course helps prepare you for the CompTIA A+ 602 Exam.

Corequisite: CNG 121

CNG 130 PC Technology

3 Credit hours   45 Contact hours

Provides students with an introduction to microcomputer technology as it pertains to IBM-compatible personal computers.

CNG 131 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.

CNG 132 Principles of Information Security

3 Credit hours   45 Contact hours

Examines the field of information security to prepare information systems students for their future roles as business decision-makers. Presents a balance of the managerial and the technical aspects of information security. The concepts covered should be helpful for students working towards the Certified Information Systems Security Professional (CISSP) certification.

CNG 160 Introduction to Telecommunication I

3 Credit hours   45 Contact hours

Introduces the background needed to understand telephony products and services in the telecommunication industry. Includes hardware and devices, transmission characteristics and codes, network configurations, software and protocols.

CNG 260 CISCO Network Associate I

5 Credit hours   75 Contact hours

Introduces network fundamentals, the OSI model and industry standards, IP addressing (subnet masks) and basic network design.

CNG 261 CISCO Network Associate II

5 Credit hours   75 Contact hours

Focuses on router theory and technologies, including router configurations, protocols, network management and introductory LAN switching.

CNG 262 CISCO Network Associate III

5 Credit hours   75 Contact hours

Focuses on advanced routing and switching configurations, LAN switching, network management and advanced network design.

CNG 263 CISCO Network Associate IV

5 Credit hours   75 Contact hours

Focuses on project-based learning, including advanced network design projects and advanced management projects. This course and CNG 260, 261 and 262 prepare students for the CISCO Certified Network Associate (CCCNA) certification exam.

Computer Science

CSC 116 Logic and Program Design

3 Credit hours   45 Contact hours

Introduces computer program design using concepts of structured programming and logic. Includes pseudocode, flowcharts, and structure charts. Covers variables, data types, control structures, looping, program breaks, and arrays.

CSC 125 Programming for the Internet

3 Credit hours   45 Contact hours

Provides the student with a basic understanding of the more common programming languages/scripts used on the internet. Emphasizes the development of dynamic/interactive webpages. Some of the internet languages that are covered include HTML, DHTML, XML, JavaScipt, Vbscript, Active Server Pages, CGI, Form processing, and PERL.

CSC 126 Game Design and Development

3 Credit hours   45 Contact hours

Combines problem-solving techniques with computer game design and implementation to introduce the student to basic gaming and computer science concepts. Students design, implement, and test computer games using software that allows for basic game creation through a wide variety of game creation tools; no prior programming experience is required.

CSC 154 Introduction to MS Visual Basic.Net

3 Credit hours   45 Contact hours

Provides students with the knowledge and skills needed to develop applications in Microsoft Visual Basic.NET for the Microsoft .NET platform. Focuses on user interfaces, program structure, language syntax, and implementation details. This is the first course in the Visual Basic.NET curriculum and serves as the entry point for other .NET courses.

Prerequisite: Successful completion of CSC 116 (grade C or higher).

CSC 157 Advanced Visual Basic .NET Programming
4 Credit hours   60 Contact hours
Continues the structured algorithm development and problem solving techniques begun in CSC 154. Students are introduced to more advanced features of the Visual Basic.NET programming language. This course will explore the relationships between the Visual Basic.NET and the .NET framework and introduces some important .NET services. We will introduce students to collections, copying and comparing objects, and how the .NET framework interfaces to XML. Content will focus on writing clear, properly structured, and well-documented programs using Visual Basic.NET and object oriented methodology.

Prerequisite: Successful completion of CSC 154 (grade C or higher).

CSC 160 Computer Science I: C++
4 Credit hours   60 Contact hours
Introduces students to the discipline of computer science. Covers algorithm development, data representation, logical expressions, sub-programs, and input/output operations using a structured programming language. Requires intensive lab work outside of class time.

Prerequisite: Successful completion of CSC 116 (grade C or higher).

CSC 161 Computer Science II: C++
4 Credit hours   60 Contact hours
Continues the structured algorithm development and problem solving techniques begun in Computer Science I. Enables students to gain experience in the use of data structures and design of larger software projects. Requires intensive computer laboratory experience.

Prerequisite: Successful completion of CSC 160 (grade C or higher).

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 and CSC 240 (grade C or higher)

CSC 230 "C" Programming
3 Credit hours   45 Contact hours
Introduces C programming language – a "mid-level" language whose economy of expression and data manipulation features allow a programmer to deal with the computer at a "low level."

Prerequisite: Successful completion of CSC 116 (grade C or higher).

CSC 231 Advanced "C" Language Programming
3 Credit hours   45 Contact hours
Continues the study of C begun in CSC 230. Includes pointers, arrays, linked lists, stacks and queues, trees, and advanced user interfaces such as menus, windows, and cursor control.

Prerequisite: Successful completion of CSC 230 (grade C or higher).

CSC 236 C# Programming
4 Credit hours   60 Contact hours
Introduces the C# programming language. Covers all syntactical components of the language, including arrays, structures, functions, and classes. Content will focus on writing clear, properly structured, and well-documented programs using C# and object-oriented methodology.

Prerequisite: Successful completion of CSC 116 (grade C or higher).

CSC 237 Advanced C# Programming
4 Credit hours   60 Contact hours
Continues the structured algorithm development and problem solving techniques begun in CSC 236. Introduces more advanced features of the C# programming language. Explores the relationships between C# and the .NET Framework and introduces important .NET services. Emphasizes collections, copying and comparing objects, and how the .NET framework interfaces to XML. Focuses on writing clear, properly structured, and well-documented programs using C# and object-oriented methodology.

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 116 (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).

Computer Web Based

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.

CWB 130 Web Editing Tools
3 Credit hours   45 Contact hours
Provides tools used for designing and building Web pages that are easy to use and have a pleasing look. Students will develop Web pages using the Microsoft program. Use of images, forms, frames, tables, templates, and layers will be covered.

CWB 162 Intro to Imaging Editing: (Photoshop)
3 Credit hours   45 Contact hours
Introduces the basic skills needed to edit images digitally. An emphasis is made on specific image editing tools and skills used to enhance photographs.

CWB 164 XML
3 Credit hours   45 Contact hours
Provides students with an introduction to the XML language's structure and syntax. Examines supporting tools such as XSL and CSS. This course is not designed to focus on a particular implementation of XML, but examine the possibilities of using XML with popular technologies such as Java SAX, SOAP, RDF, and the DOM.

CWB 204 Cascading Style Sheets
3 Credit hours   45 Contact hours
Explores the use of the Cascading Style Sheets (CSS) style language as a means of separating content and design on web pages. The class is intended for students having a working knowledge of XHTML and that are interested in learning to use style sheets to control display properties on a web site or other application using XHTML. CSS or Cascading Style Sheets, is a language which is used to apply presentational and layout formatting to web pages. This effectively separates the page content from the page design and is the new standard for the web. Eventually, all presentational HTML tags will be deprecated in favor of CSS style sheets and the old tags won't work. Additionally, this allows better cross-device application of web content because the style sheet for a type of device can be applied specifically to it.

CWB 205 Complete Web Scripting – Java Script
3 Credit hours   45 Contact hours
Explores the complete set of web scripting skills needed to develop Web applications. Includes variables, data types, arithmetic operations, logical operations, looping, creating and reading cookies, creating an array, displaying data based on a cookie value, setting flags, working with frames, creating objects in a hidden frame, using the History Object, writing HTML to another window, determining browser and detecting keystrokes.

CWB 206 Web Data Base: Database Software
3 Credit hours   45 Contact hours
Emphasizes scripting languages used to create and manage Web databases. Targets to multimedia authors who wish to add database management and search functionality to their web sites. Enables students to build an inexpensive, portable database solution.

CWB 245 Complete Web Animation (Flash)
3 Credit hours   45 Contact hours
Explores the complete set of Web animation tools. Topics include creating an .swf file; publishing the file with Interactivity and animation; creating .swf files encompassing navigation, animation, event sound, streaming sound, behavior actions; getting a movie clip, tell targets, preliminary Generator discussion and preload sequences; integration of 3D objects; and producing a high-end product.

Criminal Justice

CRJ 110 Introduction to Criminal Justice
3 Credit hours   45 Contact hours
Introduces a study of the agencies and processes involved in the criminal justice system: the legislature, the police, the prosecutor, the public defender, the courts, and corrections. Includes an analysis of the roles and problems of the criminal justice system in a democratic society, with an emphasis upon inter-component relations and checks and balances.

CRJ 111 Substantive Criminal Law
3 Credit hours   45 Contact hours
Teaches legal definitions of crime, purposes and functions of the law, historical foundations, and the limits of the criminal law.

CRJ 112 Procedural Criminal Law
3 Credit hours   45 Contact hours
Covers constitutional and procedural considerations affecting arrest, search and seizure, post-conviction treatment, origin, development, philosophy, and constitutional basis of evidence. Focuses on degrees of evidence and rules governing admissibility, judicial decisions interpreting individual rights, and an analysis of case studies from arrest through final appeal.

CRJ 119 Legal & Ethical Concepts
3 Credit hours   45 Contact hours
Explores the parameters of professional responsibility for Criminal Justice professionals and related occupations. Examines value systems and clarifications.

CRJ 125 Law Enforcement Operations
3 Credit hours   45 Contact hours
Examines the complexity and multi-dimensional aspects of the law enforcement role and career; law enforcement discretion; law enforcement values and culture in modern America. Covers the role and functions of law enforcement in occupational, social, racial and ethnic, political and organizational context.

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.

CRJ 135 Judicial Function
3 Credit hours   45 Contact hours
Examines the criminal process with analysis of the major judicial decision-makers, i.e., prosecutors, defense attorneys, judges, and the discretionary aspects of adjudication.

CRJ 141 Introduction to Industrial Security
2 Credit hours   30 Contact hours
Emphasizes private security practices and functions dealing with industrial oriented problems. Covers criminal and civil laws restrictions, total responsibilities, the development and operation of security forces, and an orientation to administration and management structures and policies.

CRJ 145 Correctional Process
Credit hours   45 Contact hours
Focuses on the post-conviction corrections process: the development of a correctional philosophy, theory, and practice; a description of institutional operation, programming, and management; and community-based corrections, probation, and parole.

CRJ 146 Community-Based Corrections
3 Credit hours   45 Contact hours
Introduces an analysis of community-based correctional programs and procedures. Emphasizes the environment and the relationship to public safety, rehabilitation, and punishment.

CRJ 150 Victims of Crime and Trauma
3 Credit hours   45 Contact hours
Introduces students to the role the crime victim plays in the criminal justice system. The traditional responses that a crime victim receives from the system will be studied, and the psychological, emotional, and financial impact these responses have on victimization will be analyzed.

CRJ 151 Domestic Violence
3 Credit hours   45 Contact hours
Examines theories, issues, legal strategies, and intervention applicable to abuse in intimate relationships.

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 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 215 Constitutional Rights of Inmates
3 Credit hours   45 Contact hours
Covers an overview of the criminal justice system as it pertains to the constitutional rights of inmates, including civil and criminal liabilities, legal services, and disciplinary proceedings.

CRJ 216 Juvenile Law and Procedure
3 Credit hours   45 Contact hours
Focuses on an in-depth analysis of the socio-legal operation of the Juvenile Justice System emphasizing the substantive and due process rights of minors. Includes analysis of legal reasoning underlying the juvenile law as it operates all levels of government.

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 225 Crisis Intervention
3 Credit hours   45 Contact hours
Provides information and application of crisis theories in working with diverse populations. Examines the interventionist role.

CRJ 230 Criminology
3 Credit hours   45 Contact hours
Examines the question of crime causation from legal, social, political, psychological, and theoretical perspectives. Covers the history and development of criminology.
Prerequisite: Successful completion of CRJ 110 (grade C or higher) or Permission of Program Coordinator.

CRJ 231 Introduction to Forensic Science and Criminalistics
3 Credit Hours   45 Contact hours
Focuses on the fundamentals of forensic science that are essential for gathering evidence at the crime scene and analyzing it in the crime laboratory.

CRJ 239 Managing Emergency Worker Stress
3 Credit hours   45 Contact hours
Provides an understanding of trauma reaction and stress management for first-line responders; i.e., police officers, victim advocates, paramedics, and firemen. Focuses on practical application of coping skills and stress management for first-line responders.

CRJ 245 Interview and Interrogation
3 Credit hours   45 Contact hours
Focuses on the study of technical and legal approaches used in gathering desired information from victims, witnesses, and suspects. Examines the fundamental characteristics of questioning and the use of psychological influences.

CRJ 256 Classification and Treatment of Offenders
3 Credit hours   45 Contact hours
Focuses on the process through which the custodial, educational, vocational, and treatment needs of the offender are determined.

CRJ 264 Practical Crime Scene Investigation
3 Credit hours   45 Contact hours
Introduces the investigation of death from the medico-legal standpoint. Discusses all aspects of an investigation from the initial findings to identification of the deceased and the determination of cause and time of death. Includes the follow-up investigation and the preparation and presentation of evidence for the criminal trial.

Prerequisite: Successful completion of one of the following: CRJ 209, CRJ 211, or CRJ 240 (grade C or higher), or permission of Department Chair.

CRJ 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.

CRJ 280 Internship
1-12 Credit hour(s)   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 hour(s)   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.

Dance

DAN 105 Hip Hop Dance I
1 Credit hour   30 Contact hours
Consists of basic traditional jazz and ballet movements. Warm-up exercises will include body toning and stretching. Students will learn diagonal step combinations leading to hip-hop dance routines.

DAN 106 Hip Hop II
1 Credit hour   30 Contact hours
Includes traditional jazz, ballet and street dancing techniques as well as warm-up exercises such as body toning and stretching. Students will learn diagonal and center step combinations leading to hip-hop dance routines.

Prerequisite: Successful completion of DAN 105 (grade C or higher) or permission of the instructor.

DAN 117 Salsa I
1 Credit hour   30 Contact hours
Introduces the beginning dancer to popular Salsa steps and dance combinations. This course includes basic partnering concepts and techniques. Dancers will explore rhythm, proper body alignment and music recognition. A partner is not required for this course.

DAN 118 Salsa II
1 Credit hour   30 Contact hours
Continues Salsa I with an increased knowledge of Salsa dance. This course focuses on Salsa dancing in groups of couples with frequent partner exchanges. Dancers learn a more in-depth study of Salsa dance concepts and techniques. A partner is not required for this course.

DAN 121 Jazz I
1 Credit hour   30 Contact hours
Introduces the basic technique and vocabulary of jazz dance and the basic elements of dance. Focuses on movement-oriented dance, comprised of warm-up exercises, center combinations, traveling combinations, and cool down.

DAN 122 Jazz II
1 Credit hour   30 Contact hours
Continues Jazz I with an increased knowledge of jazz dance. Enables students to work at an intermediate level with basic understanding of body alignment, balance, and musicality.

Prerequisite: Successful completion of DAN 121 or permission of Instructor.

DAN 123 Jazz III
1 Credit hour   30 Contact hours
Builds on skills learned in DAN 122 and incorporates work at an intermediate/advanced level. Expands on jazz dance technique through more challenging movement combinations. Requires knowledge of the learned basics in dance.

Prerequisite: Successful completion of DAN 122 or permission of the instructor.

DAN 124 Jazz IV
1-2 Credit hours   30-60 Contact hours
Builds on skills learned in DAN 123 and incorporates work at a more advanced level. Emphasizes more challenging movement combinations and performance techniques.

Prerequisite: Successful completion of DAN 123 or permission of the instructor.

DAN 125 History of Dance I
3 Credit hours   45 Contact hours
Introduces the history of dance as a theatre or performing art. Examines dance from Classical Greece through the Renaissance, including court and classical ballet to modern dance with African and Caribbean influences.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

DAN 131 Ballet I
1 Credit hour   30 Contact hours
Introduces the basic techniques of ballet which are built upon the knowledge of ballet terminology, fundamental exercises, and basic elements of dance. Focuses on movement-oriented dance, comprised of stretching, barre warm-up exercises, simple terre à terre and jumping steps, and basic extended positions. May be repeated for a maximum of three credits.

Dan 141 Ballroom Dance
1 Credit hour   30 Contact hours
Introduces the basic terminology, techniques and routines of several dances from a specific country or region. Focuses on the music, costumes and customs related to the dances they study. Partners are not required. May be repeated for a maximum of three credits.

DAN 142 Ballroom Dance 2
1 Credit hour   30 Contact hours
Continues Dance 141 with focus on regional dances, customs and rhythms. Partners are not required. May be repeated for a maximum of three credits.

Prerequisite: Successful completion of DAN 141 (grade C or higher) or permission of the instructor.

DAN 143 Tap I
1 Credit hour   30 Contact hours
Introduces basic tap dance movements and techniques. The shuffle, ball change, brush, flap heel drop, stomp, and stamp step are covered.

DAN 224 Dance for Musical Theatre I
3 Credit hours   90 Contact hours
Introduces students to dance within the context of musical theatre. Enables the student to practice non-verbal communication and expressive movement techniques.

DAN 275 Special Topics
1 Credit hour   30 Contact hours
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

PED 147 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 148 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 147 (grade C or higher).

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Diesel Courses are not currently being offered at CCA

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Diesel Power Mechanics

DPM 100 Introduction to Diesel Mechanics

2 Credit hours   30 Contact hours

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

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

DPM 101 Diesel Shop Orientation

2 Credit hours   30 Contact hours

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

DPM 103 Diesel Engines I

4 Credit hours   67.5 Contact hours

Covers the theory and operation of diesel engines with emphasis on cylinder heads and valve trains diagnosis and repair. Also introduces the cooling system's importance with diagnosis and repair. Enables students to diagnose, test, and repair cylinder heads and cooling systems on diesel engines.

Prerequisites: 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.

Prerequisites: 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.

Prerequisites: Successful completion of DPM 100, DPM 101 and DPM 103 (grade C or higher).

DPM 111 Preventive Maintenance I

3 Credit hours   60 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.

Prerequisites: Successful completion of DPM 100 and DPM 101 (grade C or higher).

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.

Prerequisites: Successful completion of DPM 100 and DPM 101 (grade C or higher).

DPM 121 Hydraulic Systems I

2 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.

Prerequisites: 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.

Prerequisites: Successful completion of DPM 100, DPM 101, and DPM 121 (grade C or higher).

ASE 123 Battery, Starting, Charging Systems

2 Credit hours   33.75 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.

Prerequisites: Successful completion of DPM 100, DPM 101, and ASE 120 (grade C or higher).

DPM 140 Heavy Duty Steering & Suspension I

3 Credit hours   62.5 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.

Prerequisites: Successful completion of DPM 100 and DPM 101 (grade C or higher).

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.

Prerequisites: 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 diagnose clutch and transmission problems. Focuses on clutch, transmission, additional assembly operation, testing, and repairing. Students will learn removal, rebuilding, inspection, repairing, and replacement of all components. Covers electrical systems on transmissions and related assemblies.

Prerequisites: Successful completion of DPM 100, 101, and 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

DPM 207 Heavy Duty Brakes II

3 Credit hours   52.5 Contact hours

Teaches instruction in general service and maintenance procedures for the heavy-duty truck air brake system and its related pneumatic components. Operational checks, performance testing, and verifying system compliance with regulations (FMVSS No. 121) will be discussed.

Prerequisites: Successful completion of DPM 100, and 101 (grade C or higher).

DPM 210 Diesel Air Induction

1 Credit hours   15 Contact hours

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

Prerequisites: Successful completion of DPM 100, 101, and 103 (grade C or higher).

ASE 221 Chassis Electrical

4 Credit hours   75 Contact hours

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

Prerequisites: Successful completion of DPM 100 and 101, ASE 120 (grade C or higher).

Early Childhood Education

ECE 101 Introduction to Early Childhood Education
3 Credit hours   45 Contact hours
Provides an introduction to Early Childhood Education. Includes the eight key areas of professional knowledge: Child Growth and Development; Health, Nutrition & Safety; Developmentally Appropriate Practices; Guidance; Family & Community Relationships; Diversity; Professionalism; and Administration and Supervision. Focuses on ages birth through age eight.

Prerequisite or Corequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

ECE 102 Introduction to Early Childhood Lab Techniques
3 Credit hours   75 Contact hours
Focuses on a classroom seminar and placement in a child care setting. The supervised placement provides students with the opportunity to observe children, to practice appropriate interactions, and to develop effective guidance and management techniques. Addresses ages birth through age eight.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

ECE 103 Guidance Strategies for Children
3 Credit hours   45 Contact hours
Explores guidance theories, applications, goals, techniques, and factors that influence expectations, classroom management issues, and prosocial skills. Focuses on ages birth through age eight.

Prerequisite or Corequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

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 ENG 060 (grade C or higher) or equivalent assessment scores.

ECE 112 Introduction to Infant/Toddler Lab Techniques
3 Credit hours   75 Contact hours
Includes a classroom seminar and placement in an infant and/or toddler setting. Supervised placement provides the student with the opportunity to learn to observe, to practice appropriate interactions, and to develop effective guidance and nurturing techniques with infants and/or toddlers. Focuses on ages prenatal through two.

Prerequisite: Successful completion of ECE 111 (grade C or higher), health screening and background check or Co-requisite: ECE 111.

ECE 178 Workshop – Reflective Leadership – Directors' Roundtable
0-12 Credit hours   15-90 Contact hours
Provides students with an experiential learning opportunity.

ECE 205 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. Includes nutrient knowledge, menu planning, food program participation, health practices, management and safety, appropriate activities, and communication with families. Focuses on ages from prenatal through age eight.

Prerequisite or Co-requisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

ECE 220 Curriculum Development: Methods and Techniques
3 Credit hours   45 Contact hours
Provides an overview of early childhood curriculum development. Includes processes for planning and implementing developmentally appropriate environments, materials and experiences, and quality in early childhood programs. (Offered in the Fall only).

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

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 Spring only).

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

ECE 238 Child Growth and Development
4 Credit hours   60 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. Ages addressed: prenatal through age 12. This course has an early childhood laboratory component.

ECE 240 Administration of Early Childhood Care and Education Programs
3 Credit hours   45 Contact hours
Examines Colorado's minimal licensing requirements, as well as optimal standards pertaining to the operation of programs for young children. Focuses on the director's administrative skills and role as a community advocate for young children. Focuses on ages birth through age twelve. (Offered in Fall and Summer only).

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

ECE 241 Administration: Human Relations of the Early Childhood Profession
3 Credit hours   45 Contact hours
Focuses on the human relations component of an early childhood professional's responsibilities. Includes director-staff relationships, staff development, leadership strategies, parent-professional partnerships, and community interaction. (Offered in Spring and Summer only)

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

ECE 256 Working with Parents, Families, and Community Systems
3 Credit hours   45 Contact hours
Examines attitudes and family value systems and how they affect parent-professional partnerships. Addresses communication, problem solving, and conflict resolution strategies. Plans effective activities and programs for parent involvement. Addresses ages birth through 8. Offered in the Spring only).

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

ECE 260 The Exceptional Child
3 Credit hours   45 Contact hours
Presents an overview of typical and atypical developmental progression. Includes planning techniques, learning strategies, legal requirements, accommodations and adaptations that are necessary in order to create an integrated classroom environment for children with a wide range of exceptionalities. Focuses on ages birth through age eight. (Offered in the Fall and Spring only).

Prerequisite: Successful completion of PSY 238 (grade C or higher) and ENG 060 (grade C or higher) or equivalent assessment score.

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   75 Contact hours
Provides students with advanced field experience opportunities in early childhood education programs.

Prerequisite: Director Certificate Coursework, approval of Department Chair.

Economics

ECO 101 Economics of Social Issues
3 Credit hours   45 Contact hours
Examines the major socioeconomic issues of the past century. Covers poverty and growth, education, health care, pollution, and discrimination. (Formerly ECO 205).

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

ECO 201 Principles of Macroeconomics
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

ECO 202 Principles of Microeconomics
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

ECO 235 International Economics
3 Credit hours   45 Contact hours
This course studies international economic interdependence. It analyzes the foundations of trade theory, international trade organizations and trade policies, regional trade arrangements, international financial institutions, and e-trade. (Formerly ECO 270).

Prerequisite: Successful completion of ECO 201 or ECO 202 (grade C or higher) and successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

ECO 245 Environmental Economics
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.

Prerequisite: Successful completion of ENG 060 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

ECO 285 Research Methods
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. (Formerly ECO 200).

Prerequisite: Successful completion of ECO 201 and ECO 202 (grade C or higher) and successful completion of ENG 060 (grade of C or higher) or equivalent assessment score.

Education

EDU 131 Introduction to Adult Education
3 Credit hours   45 Contact hours
Introduces students to the basic concepts in the instruction of adults. Emphases will be placed on understanding the adult learner and how their individual backgrounds and experiences can affect the learning process. Additionally, the course will cover applicable federal and state legislation which affects adult learning programs and offers information on additional resources and associations in the field of Adult Education.

EDU 132 Planning, Organizing, and Delivering Adult Education Instruction
3 Credit hours   45 Contact hours
Covers the basics of planning an adult education program, organizing instruction within the various content areas, and delivering the material in a variety of ways, both in groups and individualized instruction. A wide variety of learning principles and theories will be addressed in ways that show their applicability to adult learners and his/her education. This course was designed to meet Colorado Literacy Instruction Authorization requirements.

EDU 133 Adult Basic Education (ABE)/Adult Secondary Education
3 Credit hours   45 Contact hours
Specifically addresses the different levels in an Adult Education program. Addresses each level in terms of appropriate assessment tools and instructional techniques. Emphasizes teaching ways that the adult education instructor can encourage the development of cognitive skills at each level, as a springboard to the next higher level. This course was designed to meet Colorado Literacy Instruction Authorization requirements.

Prerequisite/Co-requisite: Successful completion of EDU 131 (grade C or higher).

EDU 134 Teaching English as a Second Language to Adult Learners
3 Credit hours   45 Contact hours
Introduces the development and implementation of a program to teach English to adults whose first language is not English. Topics will range widely from assessment and placement to the theories behind language acquisition. Students will cover a wide variety of methodologies, both group and individualized, aimed at teaching the non-English speaker the written and verbal skills necessary to function successfully in the United States. This course was designed to meet Colorado Literacy Instruction Authorization requirements.

Prerequisite/Co-requisite: Successful completion of EDU 131 (grade C or higher).

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.

Prerequisite/Co-requisite: Successful completion of EDU 131 (grade C or higher).

EDU 188 Practicum I
0-12 Credits   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 ENG 060 (grade C or higher) or equivalent assessment score.

EDU 222 Effective Teaching
1 Credit hour   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.

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 ENG 060 (grade C or higher) or appropriate assessment scores.

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 ENG 060 (grade C or higher) or appropriate assessment scores.

EDU 250 CTE in Colorado

1 Credit hour   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.

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.

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 ENG 060 (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.

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.

Electricity Industrial/Commercial

EIC 105: Basics of AC & DC Electricity

4 Credit hours   90 Contact hours

Focuses on resistance, current, voltage and power in AC and DC circuits; measurements; computations of series and parallel circuits; circuit analysis and troubleshooting with basic test equipment.

Prerequisite: Successful completion of ENY 101 (grade C or higher) or permission of the Department Chair.

Emergency Management and Planning

EMP 101 Principles of Emergency Management

3 Credit hours   45 Contact hours

Presents a broad overview of an emergency management system and the importance of an integrated approach to managing emergencies. Enables the student to formulate the elements of an integrated teamwork system and devise specific actions for improving their own contributions to local emergency management teams. Focuses on all disciplines that work together in planning for or responding to emergencies.

EMP 105 Emergency Planning

3 Credit hours   45 Contact hours

Introduces a specialized type of community planning that identifies local government strategies, resources and responsibilities for protecting citizens from the effects of disasters and other major emergency events. Focuses on the Emergency Operations Plan (EOP) and a jurisdiction`s game plan for dealing with potential catastrophes resulting from natural hazards and/or human-caused hazards. Examines EOPs in detail including their history and evolution, process, recommended content, style and format, involved stakeholders, and implementation methods. Covers the context of emergency planning as it relates to long-range community planning. Addresses methods for conducting a comprehensive community hazard analysis and highlights lessons learned in recovering from a disaster.

EMP 106 Exercise Design Evaluation

3 Credit hours   45 Contact hours

Provides knowledge and the development of skills that enable the student to train a staff and to conduct an exercise that tests a community's plan and its operational response capability. Enables the student to manage exercise evaluation activities before, during, and after an emergency management exercise.

EMP 107 Emergency Operations Center and Communications

3 Credit hours   45 Contact hours

Provides the knowledge and skills to manage and operate an EOC during crisis situations. Covers aspects of properly locating and designing an EOC, how to staff, train and brief EOC personnel, and how to operate an EOC during various situations. Focuses on various aspects of information gathering and dissemination including best practices for use of computers in an EOC environment, promoting enhanced planning and better control information flow to safely and effectively make strategic response decisions.

EMP 109 Incident Command Systems

3 Credit hours   45 Contact hours

Explores the dynamics of managing major emergency incidents and examines the National Incident Command System. Focuses on major incidents where large life, property, or economic losses are possible. Includes organization and staffing, incident and event planning/staffing, organizing a response to an incident, and incident resource management. Actual incidents are discussed and analyzed. Incorporates learning from the experience of others in handling major emergencies and preplanning for emergencies.

EMP 201 Public Safety Applications

3 Credit hours 45 Contact hours

Introduction to and training on Public Safety Applications, focusing on the various disaster management programs that are utilized in the emergency management (EM) and homeland security (HS) arenas. This course will provide an overview of and familiarization with disaster management Product Production, Information Sharing, and Resource Accountability software, to include WebEOC, CAMEO (Aloha, Marplot, etc), ArcGIS, and more. This course is designed to provide the student with a broad-based understanding of these applications, to include what they are, what they do, how they are beneficial to the EM/HS arenas, and how to manipulate the programs to gather desired results.

EMP 240 Leadership and Influence

3 Credit hours 45 Contact hours

Explores the dynamics of managing major emergency incidents, focusing on the National Incident Command System. Covers major incidents where large life, property, or economic losses are possible. Includes organization and staffing, incident and event planning/staffing, organizing a response to an incident, and incident resource management. Actual incidents are discussed and analyzed. Focuses on the experience of others in handling major emergencies and the preplanning of emergencies.

EMP 241 Decision Making and Problem Solving

3 Credit hours 45 Contact hours

Enables the student to clearly identify a problem and its causes in order to determine the appropriate type of decision making style. Focuses on a suggested process of problem solving providing students with the ability to apply creative solutions to both emergency and non-emergency situations.

EMP 242 Effective Communication

3 Credit hours 45 Contact hours

Sharpens presentation and media skills of emergency management officials when giving and receiving information in emergency management contexts. Addresses public speaking and other areas of communication including one-on-one interactions, small group discussions, written communication, listening skills, and dissemination of public information through the media.

EMP 244 Developing Volunteer Resources

3 Credit hours 45 Contact hours

Improves skills in recognizing volunteer resources in the community, and enhances the ability to manage the involvement of volunteers in all phases of emergency management. Encourages participants to think about the benefits of volunteer involvement, develop the ability to identify the wide range of talents volunteers have to offer, acknowledge and build upon the diversity of volunteers, and identify numerous resources and outreach mechanisms for reaching different populations.

EMP 247 Decision Making in a Crisis

3 Credit hours 45 Contact hours

Focuses on individual and group decisions based on a model problem-solving process.

EMP 275 Special Topics

1-12 Credit hours 45-540 Contact hours

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

EMP 280 Business Emergency Management

3 Credit hours 45 Contact hours

Covers general business practices as they apply to Emergency Management. This includes business continuity during a crisis or emergency situation and restoration of business after the crisis. Other aspects covered in this course include hazard analysis, IT solutions, resource analysis, and effective communication.

EMP 285 Independent Study

1-12 Credit hours

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

EMP 291 Public Information Officer

3 Credit hours 45 Contact hours

Provides the student an opportunity to practice and expand on public information skills in a crisis environment. Incorporates a highly interactive course that includes workshops on writing, public speaking, media interviews, and awareness campaign development. Covers media relations and public information planning.

Emergency Medical Provider

EMS 115 First 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 course

EMS 125 EMT-Basic

9 Credit hours 180 Contact hours

Enables the student after successful completion of this course to take the EMT Certification Examination subject to the requirements of the Colorado Department of Health and Environment. Includes written and practical examinations. Student must be at least 18 years of age.

Prerequisite: Successful completion of ENG 060, REA 060, and MAT 030 (grade C or higher) or equivalent assessment score. Additional personal information is required, i.e., Criminal Background Check, shot records, etc. You must contact EMS program staff for a full list of information required.

Corequisite: EMS 136 and EMS 170. (Students must enroll in the same section as EMS 125 for a total of 11 credits.)

Course Note: The first class date is a Mandatory Orientation for all students. It is strongly recommended that students also enroll in HPR 178: Medical Terminology (online) - 2 credit 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.

Prerequisites: State of Colorado EMT-B certification and permission from the department required.

EMS 136 EMT/Paramedic Safety Issues in the Field

1 Credit hour 15 Contact hours

Provides EMTs and paramedics with the skills needed to quickly assess the scene for potential hazards to themselves. Introduces topics on scene safety, evaluation of potential problem patients, verbal communication, control techniques, physical control techniques for the problem patient, and specific techniques for scene control.

Corequisite: EMS 125 and EMS 170. (Students must enroll in the same section as EMS 125 for a total of 11 credits.)

EMS 170 EMT-Basic Clinical

1 Credit hour 48 Contact hours

Provides EMT students with the clinical experience required of initial and some renewal processes.

Corequisite: EMS 125 and EMS 136. (Students must enroll in the same section as EMS 125 for a total of 11 credits.)

EMT – Paramedic

EMS 220 Paramedic Refresher

3 Credit hours 72 Contact hours

Updates the EMT-P in four specific areas of prehospital 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

First course of National Standard Paramedic Curriculum as approved by the Colorado State Department of Health and Environment.

Prerequisites: State of Colorado EMT-B certified; IV, EKG, and CPR Certifications; permission from the department. Successful completion of ENG 090, REA 090, MAT 060, BIO 201, and BIO 202 (grade of C or higher) or equivalent assessment score. One year of EMS field experience.

Corequisite: EMS 226, EMS 227, EMS 229, and EMS 235. (Students must enroll in the same section as EMS 225 for a total of 15 credits.)

EMS 226 Fundamentals of Paramedic Practice – Lab
2 Credit hours   60 Contact hours
Lab experience to coincide with EMS 225 topics.

Prerequisites: State of Colorado EMT-B certified; IV, EKG, and CPR Certifications; permission from the department. Successful completion of ENG 090, REA 090, MAT 060, BIO 201, and BIO 202 (grade of C or higher) or equivalent assessment score. One year of EMS field experience.

Corequisite: EMS 225, EMS 227, EMS 229, and EMS 235. (Students must enroll in the same section as EMS 280 for a total of 15 credits.)

EMS 227 Paramedic Special Considerations
3 Credit hours   60 Contact hours
Comprehensive study of Advanced Life Support Practice.

Prerequisites: State of Colorado EMT-B certified; IV, EKG, and CPR Certifications; permission from the department. Successful completion of ENG 090, REA 090, MAT 060, BIO 201, and BIO 202 (grade of C or higher) or equivalent assessment score. One year of EMS field experience.

Corequisite: EMS 225, EMS 226, EMS 229, and EMS 235. (Students must enroll in the same section as EMS 225 for a total of 15 credits.)

EMS 228 Paramedic Special Considerations – Lab
2 Credit hours   60 Contact hours
Lab experience for students enrolled in EMS 280.

Prerequisites: EMS 225 and permission of the department.

Corequisite: EMS 230, EMS 231, EMS 232, EMS 233, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 228 for a total of 18 credits.)

EMS 229 Paramedic Pharmacology
3 Credit hours   45 Contact hours
Comprehensive study of emergency pharmacology and the second phase of the course of National Standard Paramedic Curriculum as approved by the Colorado State Department of Health and Environment.

Prerequisites: Permission from the department.

Corequisite: EMS 225, EMS 226, EMS 227, and EMS 235. (Students must enroll in the same section as EMS 225 for a total of 15 credits.)

EMS 230 Paramedic Pharmacology – Lab
2 Credit hours   60 Contact hours
Required lab course in paramedic education program.

Prerequisites: Permission of the department.

Corequisite: EMS 228, EMS 231, EMS 232, EMS 233, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 225 for a total of 18 credits.)

EMS 231 Paramedic Cardiology
5 Credit hours   75 Contact hours
Cardiology topics as presented in the National Standard Curriculum for paramedics.

Corequisite: EMS 228, EMS 230, EMS 232, EMS 233, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 228 for a total of 18 credits.)

EMS 232 Paramedic Cardiology – Lab
1 Credit hour   30 Contact hours
Hands-on application of principles of cardiac care in the hospital environment.

Corequisite: EMS 228, EMS 230, EMS 231, EMS 233, EMS 234, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 228 for a total of 18 credits.)

EMS 233 Paramedic Medical Emergencies
4 Credit hours   60 Contact hours
Comprehensive study of adult medical emergencies.

Prerequisites: Permission of 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 228 for a total of 18 credits.)

EMS 234 Paramedic Medical Emergencies – Lab
1 Credit hour   30 Contact hours
Clinical study of adult and pediatric medical emergencies.

Prerequisites: Permission of the department

Corequisite: EMS 228, EMS 230, EMS 231, EMS 232, EMS 236, and EMS 237. (Students must enroll in the same section as EMS 228 for a total of 18 credits.)

EMS 235 Paramedic Trauma Emergencies
4 Credit hours   60 Contact hours
Comprehensive study of adult and pediatric trauma emergencies.

Prerequisites: Permission of the department.

Corequisite: EMS 225, EMS 226, EMS 227, and EMS 229. (Students must enroll in the same section as EMS 225 for a total of 15 credits.)

EMS 236 Paramedic Trauma Emergencies – Lab
1 Credit hour   30 Contact hours
Lab presenting various acute trauma scenarios.

Prerequisites: Permission of the department.

Corequisite: EMS 228, EMS 230, EMS 231, EMS 232, EMS 233, EMS 234, and EMS 237 (Students must enroll in the same section as EMS 228 for a total of 18 credits.)

EMS 237 Paramedic Internship Preparatory
2 Credit hours   30 Contact hours
Reviews concepts and techniques used in the pre-hospital setting.

Prerequisites: Permission of the department.

Corequisite: EMS 228, EMS 230, EMS 231, EMS 232, EMS 233, EMS 234, and EMS 236. (Students must enroll in the same section as EMS 228 for a total of 18 credits.)

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.

Prerequisites: Permission of the department.

Corequisite: EMS 281. (Students must enroll in the same section as EMS 280 for a total of 12 credits.)

Course Note: Paramedic Clinical Internship.

EMS 281 Paramedic Internship II
6 Credit hours   250 Contact hours
Preceptor/Internship program for paramedic students.

Corequisite: EMS 280. (Students must enroll in the same section as EMS 280 for a total of 12 credits).

Course Note: Paramedic Field Internship.

English

ENG 030 Basic Writing Skills
2 Credit hours   30 Contact hours
Focuses on sentence and basic paragraph structure and development. Enables students to review and improve grammar, usage, and punctuation skills while employing critical thinking, revising, and editing strategies to respond to a wide variety of writing situations.

Prerequisite: Appropriate assessment score (SS: 25-49 or ACTE 15).

Course Note: Does not apply to CCA degrees or certificates.

ENG 060 Writing Fundamentals
3 Credit hours   45 Contact hours
Focuses on paragraph structure and development and introduces the formal essay. Enables students to review and improve grammar, usage, and punctuation skills while employing critical thinking strategies and the writing process to respond to a wide variety of writing situations.

Prerequisite: Successful completion of ENG 030 and REA 030 (grade C or higher) or equivalent assessment score (SS: 50-69 or ACTE 16 or CEPT of 2 and RC: 40-61 or ACTR: 15 or CRPT of 5.5).

Course Note: Does not apply to CCA degrees or certificates.

ENG 090 Basic Composition

3 Credit hours   45 Contact hours

Emphasizes critical thinking as students explore writing for specific purposes and audiences. Enables students to develop skills required for college-level writing while reviewing paragraph structure and focusing on essay development.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score (SS: 70-94 or ACTE 17).

Course Note: Does not apply to CCA degrees or certificates.

ENG 121 English Composition I

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 ENG 090 (grade C or higher) or equivalent assessment score and REA 090 (grade C) or equivalent assessment scores (SS: 95+ and RC 80+ or ACTE 18 and ACTR 17 or SAT Verbal 440).

Course Note: This is a statewide guaranteed transfer course.

ENG 122 English Composition II

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).

Course Note: This is a statewide guaranteed transfer course.

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.

Successful completion of ENG 090 or equivalent assessment score.

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 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.

Prerequisites: Successful completion of ENG 060 (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.

Prerequisites: Successful completion of ENG 090 (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.

Prerequisites: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

HHP 249 Journaling the Healing Journey

1 Credit hour   15 Contact hours

Incorporates using a journal as an effective tool for looking at our personal growth process, as well as for helping clients in their healing process. Journaling helps develop memory, imagination, feeling, intuition, and other creative aspects of ourselves. Using a journal in health practices can accelerate the healing process for clients. Teaches journaling skills and how to focus specifically on healing through various techniques.

Prerequisites: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

Energy Technologies

ENY 101: Introduction to Energy Technologies

3 Credit hours   75 Contact hours

Introduces the energy technologies in use today and those that are in the research stage as possible alternatives. Presents technologies including active solar heating, passive solar heating, wind energy systems, biomass, photovoltaics, co-generation, low and high head hydro, hydrogen, geothermal, power towers and energy storage systems.

Prerequisite: Successful completion of ENG 060, REA 060, and MAT 060 (grade C or higher) or equivalent assessment scores.

ENY 121 Solar Photovoltaic Components

3 Credit hours   75 Contact hours

Reinforces basic safety principles and provides detailed knowledge of photovoltaic components. Also covered is an overview of site analysis and special purpose tools. Upon successful conclusion of this course the student will be able to select proper components for a photovoltaic system based on regulatory codes and standards and individual component specifications.

Prerequisite: Successful completion of ENY 101 and EIC 105 (grade C or higher) or permission of the Department Chair.

ENY 127 Solar Photovoltaic System Installation

3 Credit hours   75 Contact hours

Emphasizes safe work practices while familiarizing the student with the intricacies of installing a photovoltaic (PV) system. This course takes the student through the process from the initial site survey to system commissioning and culminates with a hands-on installation.

Prerequisite: Successful completion of ENY 101 and EIC 105 (grade C or higher) or permission of the Department Chair.

English as a Second Language

ESL 001 Basic Spelling
3 Credit hours   45 Contact hours
Introduces ESL 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 placement scores.

Note: The scores will be in the spreadsheet that Advising and Enrollment gets. They will be the same as ESL 009 Low Beginning.

ESL 009 Low Beginning ESL
3 Credit hours   45 Contact hours
Focuses on writing, reading, listening and speaking skills as tools for life skills in English. Incorporates practice from various work and living situations using basic English.

Prerequisite: Appropriate placement scores.

ESL 011 Basic Pronunciation
3 Credit hours   45 Contact hours
Provides listening and speaking activities that help students recognize and produce English vowel and consonant sounds and common stress and intonation patterns.

Prerequisite: Successful completion of ESL 031 or ESL 041 (grade C or higher) or equivalent assessment scores.

ESL 012 Intermediate Pronunciation
3 Credit hours   45 Contact hours
Provides listening, speaking, and reading activities that help students recognize and produce a variety of stress and intonation patterns in English. May be taken before Basic Pronunciation.

Prerequisite: Successful completion of ESL 031 or ESL 041 (grade C or higher) or equivalent assessment scores.

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 Conversation
3 Credit hours   45 Contact hours
Focuses on listening and speaking activities that help students communicate more competently. Provides practice with pronunciation, vocabulary, and basic grammatical patterns.

Prerequisite: Successful completion of ESL 009 (grade C or higher) or equivalent assessment scores.

ESL 032 Intermediate Conversation
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 (grade C or higher) or equivalent assessment scores.

ESL 033 Advanced Conversation
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 (grade C or higher) or equivalent placement scores.

ESL 041 Basic Reading
3 Credit hours   45 Contact hours
Provides effective reading strategies. Presents techniques to develop and increase word attack skills, vocabulary use, and overall comprehension.

Prerequisite: Successful completion of ESL 021 or ESL 032 (grade C or higher) or equivalent assessment scores.

ESL 042 Intermediate Reading
3 Credit hours   45 Contact hours
Assists students to read more quickly, accurately and to understand a variety of more complex reading material.

Prerequisite: Successful completion of ESL 041 or ESL 071 (grade C or higher) or equivalent assessment scores.

ESL 043 Advanced Reading
3 Credit hours   45 Contact hours
Prepares students for academic reading assignments. Assists them to read more accurately and critically through the development of vocabulary knowledge and reading skills. Introduces research skills.

Prerequisite: Successful completion of ESL 042 or ESL 072 (grade C or higher) or equivalent assessment scores.

ESL 051 Basic Composition
3 Credit hours   45 Contact hours
Introduces fundamentals of sentence structure and development. Assists the student in developing sentence variety and grammatical competency needed to perform both personal and academic writing tasks.

Prerequisites: Successful completion of ESL 021 and ESL 041 (grade C or higher) or equivalent assessment scor

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 022 or ESL 071 (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 023 or ESL 072 (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 Windows, word processing, and the Internet.

Prerequisites: Successful completion of ESL 032 (grade C or higher) or equivalent assessment scores.

Corequisites: BTE 100 and BTE 111 (See Computer Information Systems).

Course Note: This course must be taken at the same time as BTE 100 (Computer Keyboarding) and BTE 111 (Keyboard Skill-building) – See Computer Information Systems.

ESL 071 Basic Language Skills
6 Credit hours   90 Contact hours
Develops and strengthens the reading, writing, listening, speaking, and grammar production skills of non-native English speakers whose assessment scores reflect a readiness to benefit from basic level ESL courses.

Prerequisite: Successful completion of ESL 021 and ESL 041 (grade C or higher) or appropriate assessment scores.

ESL 072 Intermediate Language Skills
6 Credit hours   90 Contact hours
Provides intermediate and high intermediate English language students with intensive instruction and practice in reading, writing, and speaking English. Teaches intermediate and advanced-level grammar concepts. Prepares students for further academic and vocational study.

Prerequisite: Successful completion of ESL 051 and ESL 041 or ESL 071 (grade C or higher) or equivalent assessment scores.

ESL 276 Special Topics: Intermediate Spelling
1 Credit hour   15 Credit hours
Builds increased spelling skills in English for ESL students. Includes structured word analysis, rule analysis and spelling strategies for words not governed by rules. Content will be adjusted to serve students in intermediate-level ESL classes.

Prerequisite: Successful completion of ESL 041 or ESL 071 (grade C or higher) or equivalent assessment scores.

ESL 277 Special Topics: Advanced Spelling
1 Credit hour   15 Contact hours
Builds increased spelling skills in English for ESL students. Includes structured word analysis, rule analysis and spelling strategies for words not governed by rules. Content will be adjusted to serve students in advanced-level ESL classes.

Prerequisite: Successful completion of ESL 042 or ESL 072 (grade C or higher) or equivalent assessment scores.

Ethnic Studies

ETH 200 Introduction to Ethnic Studies
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 ENG 060 (grade C or higher) or assessment scores.

Course Note: This is a statewide guaranteed transfer course.

ETH 212 African-American Studies
3 Credit hours   45 Contact hours
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 ENG 060 (grade C or higher) or 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 ENG 060 (grade C or higher) or 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 ENG 060 (grade C or higher) or assessment scores.

Fire Science Technology

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 21 or older; meet all current civil service and physical fitness requirements for hire by a Colorado Fire Department; and possess EMT-B certification by academy start date.

FST 101 Firefighter II
6 Credit hours   45 Contact hours
Addresses the requirements necessary to perform at the second level of progression as identified in NFPA 1001, Level II Fire Fighter Professional Qualifications.

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.

Prerequisite: Requires acceptance to CCA Firefighter Academy; be 21 or older; meet all current civil service and physical fitness requirements for hire by a Colorado Fire Department; and possess EMT-B certification by academy start date.

FST 103 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. Upon completion of this course, students should be able to establish and manage a safety program in an emergency service organization.

Prerequisite: Requires acceptance to CCA Firefighter Academy; be 21 or older; meet all current civil service and physical fitness requirements for hire by a Colorado Fire Department; and possess EMT-B certification by academy start date.

FST 104 Fire Protection Systems
3 Credit Hours   45 Contact hours
Addresses principles and functions involved in the installation and use of sprinkler systems, special suppression systems, and fire detection and alarm systems. Covers portable fire extinguishing equipment requirements, sprinkler systems, installation, inspection and maintenance, special protection systems, and residential sprinklers.

FST 105 Building Plans and Construction
3 Credit hours   45 Contact hours
Covers various methods of building construction, the materials used in building construction, and their relationship to methods of fire attack and extinguishment. Includes types of building construction, principles of fire resistance, flame spread, smoke and fire containment, basic knowledge of plan review, and blueprint specifications.

Prerequisite: Requires acceptance to CCA Firefighter Academy; be 21 or older; meet all current civil service and physical fitness requirements for hire by a Colorado Fire Department; and possess EMT-B certification by academy start date.

FST 106 Fire Inspection Practices
3 Credit Hours   45 Contact hours
Introduces the organization of the fire prevention agency; inspections, surveying, mapping and company inspections; recognition of fire hazards; engineering a solution to the hazard, enforcement of the solution, and public relations as affected by fire prevention. Fire Inspector I State Certificate available.

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: Requires acceptance to CCA Firefighter Academy; be 21 or older; meet all current civil service and physical fitness requirements for hire by a Colorado Fire Department; and possess EMT-B certification by academy start date.

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 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 137 Vehicle Extrication
2 Credit hours   30 Contact hours
Covers transportation emergency assessment skills as they relate to vehicle extrication; establishing safety zones; "reading" the wreck; ICS/IMS; utilities, traffic, and fuel; vehicle construction; air bags; vehicle stabilization; victim access and stabilization; dismantling the vehicle; and patient packaging.

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 Fire Codes and Ordinances
3 Credit hours   45 Contact hours
Covers familiarization and interpretation of national, state and local codes, ordinances and laws which influence the field of fire prevention. Fire code and life safety code are reviewed and referred to throughout the course.

FST 205 Fire Cause Determination
3 Credit hours   45 Contact hours
Covers the proper method(s) of conducting basic fire investigation, determining area and point of origin, cause and methods of fire spread, recognition and preservation of evidence. Includes arson law, Constitutional law, interviewing, court procedures and testimony.

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 251 Fire Service and the Law
3 Credit hours   45 Contact hours
Provides the professional fire officer with detailed information on federal, state and local laws, ordinances, and civil and criminal liabilities that impact the fire service. Includes the OSHA and NFPA standards in-depth, as well as pensions, Workman's Compensation, drug testing, union bargaining agreements and other topics.

FST 253 Fire Ground Organization and Command
3 Credit hours   45 Contact hours
Focuses on fire ground management, resource availability, management and deployment, Integrated Management System and all related components, communications, problem solving, and table top exercises.

FST 254 Haz/Mat 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.
Prerequisites: FST 107, FST 202, and FST 253

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.

Film and Video Media

FVM 105 Video Production I
3 Credit hours   60 Contact hours
This introduction to visual storytelling provides students with the opportunity to identify the components and explore the expressive visual elements that compromise narrative motion pictures. Students work in groups and/or pairs structuring and shooting exercises and original projects to be edited in FVM 160 (which must be taken concurrently). With an emphasis on creating emotional connections between character and audience, this course will help students learn techniques to create and illustrate effective and dimensional stories. Students will also learn the art of collaboration, which is necessary for film production.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

Corequisite: FVT/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 ENG 060 (grade C or higher) or equivalent assessment scores.

FVM 118 Screen Actor Improvisation Techniques

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 FVT/FVM 117 (grade C or higher).

FVM 130 Introduction to Digital Videos

1 Credit hour   15 Contact hours

Students learn how to use digital video editing software to create, edit, and save movies. Students create movies using digital video clips, digital photos and music. The basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, and burning finished DVDs will be covered.

FVM 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.

Prerequisites: Successful completion of ENG 090 or 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 ENG 090 (grade C or higher) or equivalent assessment scores.

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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 160 (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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 160 (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 ENG 060 (grade C or higher) or equivalent assessment scores.

Corequisite: FVT/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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 160 (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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 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.

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.

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.

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.

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

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.

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.

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.

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: FVT/FVM 105, 117, 136, 150, 160, 155 and 209, or 205 and 206, or 164 and 208 (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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 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.

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 FVT/FVM 105, 117, 136, 150, and 160 (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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 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.

Prerequisites: Successful Completion of FVT/FVM 105, 117, 136, 150, 155, 160, 200 or 220 (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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 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.

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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, 160, 205, and 206 (grade C or higher).

FVM 215 Video 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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, 160 and FVT/FVM 200 or 220 (grade C or higher).

Corequisite: FVM 200.

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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 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 FVT/FVM 117 (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.

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.

Prerequisites: Successful completion of FVT/FVM 117, 118, 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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, and 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.

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 FVT/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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 150, 160, 155, 200, 209 (grades C or higher) and permission by the Department.

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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, 155, and 160 (grade C or higher).

Corequisite: FVM 209

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: FVT/FVM 208.

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 FVT/FVM 105, 117, 136, 150, 160, and 155 (grade C or higher).

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.

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

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.

Prerequisites: Successful completion of FVT/FVM 105, 117, 136, 150, 160 and MGD 111 (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.

Prerequisites: Successful completion of FVT/ FVM 105, 117, 136, 150, and 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.

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

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.

Prerequisites: Successful completion of FVT/ FVM 105, 117, 136, 150, 160, 200 or 220, 229 (grades C or higher) and permission by the Department.

FVM 271 Video 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.

Prerequisites: Successful completion of FVT/ FVM 105, 117, 136, 150, 160, 215 (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.

Prerequisites: Successful completion of FVT/ FVM 105, 117, 136, 150, and 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.

Prerequisites: Courses as determined by program emphasis and permission of the Department.

FVM 287 Internship

3 Credit hours   TBA Contact hours

Provides Internship in the industry. Minimum of 130 hours. Students should not take this course if they are planning to enter the Regis BFA program or the Metro BA program.

Prerequisites: Successful completion of FVT/ FVM 105, 136, 117, 150, 160, 200 or 215 or 220 (grade C or higher) AND Instructor permission.

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.

Prerequisites: Successful completion of MGD 102 and ENG 060 (grade C or higher) or equivalent assessment 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.

Prerequisites: Successful completion of ENG 060 (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. Students will learn how to animate objects, create symbols, and assemble motion tweens.

Prerequisites: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

MGD 153 3-D Animation I

3 Credit hours   60 Contact hours

Encompasses all major aspects of creating 3D characters using animation software. Using developed characters, students will learn how to animate for personality.

MGD 217 Typography II

3 Credit hours   60 Contact hours

Expands the investigation of typographic form, function and meaning within the context of contemporary visual language. Students will learn to effectively use typography as a solution to many diverse visual language applications. Students will build conceptualization skills while further experimenting with the aesthetic, formal and functional role typography plays in the creation of meaning. Students will learn how type is applied to grid systems and will explore an increasing complexity of content organization, encompassing multipage formats, websites, and systems design considerations.

MGD 253 3-D Animation II

3 Credit hours   60 Contact hours

Addresses more advanced aspects of creating 3D characters on the computer. Students also examine facial animation, lip synchronization, scene design, and lighting set-ups.

Prerequisite: Successful completion of MGD 153 (grade C or higher).

MGD 266 DVD Authoring

3 Credit hours   60 Contact hours

Introduces students to all aspects of DVD authoring: covering source acquisition, DVD production, interface design, organization, management, and appropriate DVD output solutions.

Finance

FIN 101 Introduction to Finance

3 Credit hours   45 Contact hours

Provides an in-depth study of the US monetary system, the role of banks as financial intermediaries, and the types of financing. Includes international financial markets and international financial instruments used in importing and exporting, analysis of stock and bond values, the role and process of the stock and bond markets and the derivative marketplace. Enables the student to produce a cash budget, analyze financial statements including all financial ratios used in credit analysis, and determine capital requirements and financing arrangements.

FIN 212 Credit and Collections

3 Credit hours   45 Contact hours

Covers the fundamentals of credit operations and the role of the financial institutions in granting and collecting loans. Includes types of available credit, laws and regulation, business and personal credit and the function of credit in foreign trade. Emphasizes evaluation techniques for and regulations concerning collections from the perspective of credit management.

FIN 235 Analyzing Financial Statements
1 Credit hour   15 Contact hours
Provides a practical understanding of financial statement analysis for a business borrower in order to assess repayment capacity.

French

FRE 101 Conversational French I
3 Credit hours   45 Contact hours
Introduces beginning students to conversational French and focuses on understanding and speaking French. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

FRE 102 Conversational French II
3 Credit hours   45 Contact hours
Continues the sequence for students who wish to understand and speak French. Covers basic conversational patterns, expressions and grammar.

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

FRE 111 French Language I
5 Credit hours   75 Contact hours
Introduces a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the French language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion on ENG 060 and REA 060 (grade C or higher) or equivalent assessment scores.

FRE 112 French Language II
5 Credit hours   75 Contact hours
Continues French Language I in the development of 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 111 (grade C or higher) or permission by the Department Chair.

FRE 201 Conversational French III
3 Credit hours   45 Contact hours
Continues the sequence for students to advance in their study of understanding and speaking French. Covers intermediate level vocabulary, grammar, and expressions.

Prerequisite: Successful completion of FRE 102 (grade C or higher).

FRE 202 Conversational French IV
3 Credit hours   45 Contact hours
Provides the fourth course in a sequence for intermediate students. The goal of foreign language learning is to acquire proficiency in communication skills (listening, speaking, writing and reading) and to develop an understanding of other cultures.

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

FRE 211 French Language III
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.

Course Note: This is a statewide guaranteed transfer course.

FRE 212 French Language IV
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.

Course Note: This is a statewide guaranteed transfer course.

FRE 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 Instructor.

Geography

GEO 105 World Regional Geography
3 Credit hours   45 Contact hours
An introductory course designed to facilitate understanding of spatial relationships between and among the geographic regions of the world. Includes demographic and cultural (political, economic, and historic) forces related to the physical environments of selected regions. Methods of study include analysis of interrelationships between developed and developing regions, and the interactions between human societies and natural environments.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

GEO 106 Human Geography
3 Credit hours   45 Contact hours
Introduces geographic perspectives and methods with applications to the study of human activities. Emphasizes the distribution of humans, adjustments to the natural environment, and land use practices.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

GEO 111 Physical Geography-Landforms
4 Credit hours   60 Contact hours
Introduces the principles of landforms and soil as a major aspect of man's natural environment. Incorporates an integrated process of lecture, discussion, and laboratory assignments. Course may be transferred to universities and colleges as a science credit.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

GEO 112 Physical Geography-Weather and Climate
4 Credit hours   60 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 ENG 060 (grade C or higher) or equivalent assessment score.

German

GER 101 Conversational German I
3 Credit hours   45 Contact hours
Introduces beginning students to conversational German and focuses on understanding and speaking German. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

GER 102 Conversational German II
3 Credit hours   45 Contact hours
Continues the sequence for students who wish to understand and speak German. Covers basic conversational patterns, expressions and grammar.

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

GER 111 German Language I
5 Credit hours   75 Contact hours
Introduces a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the German language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion on ENG 060 and REA 060 (grade C or higher) or equivalent assessment scores.

GER 112 German Language II
5 Credit hours   75 Contact hours
Continues German Language I in the development of 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 111 (grade C or higher) or permission by the Department Chair.

GER 201 Conversational German III
3 Credit hours 45 Contact hours
Continues the sequence for students to advance in their study of understanding and speaking German. Focuses on intermediate level vocabulary, grammar, and expressions.

Prerequisite: Successful completion of GER 102 (grade C or higher).

GER 202 Conversational German IV
3 Credit hours 45 Contact hours
Provides the fourth course in a sequence for intermediate students. The goal of foreign language learning is to acquire proficiency in communication skills (listening, speaking, writing and reading) and to develop an understanding of other cultures.

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

GER 211 German Language III
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.

Course Note: This is a statewide guaranteed transfer course.

GER 212 German Language IV
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.

Course Note: This is a statewide guaranteed transfer course.

GER 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 Instructor

Geology

GEY 111 Physical Geology
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 REA 060 and ENG 060 (Grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

GEY 121 Historical Geology
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.

Recommended Prerequisite: Successful completion of GEY 111 (grade C or higher) or permission of Instructor.

Course Note: This is a statewide guaranteed transfer course.

GEY 140 Introduction to Global Positioning Systems
1 Credit hour 15 Contact hours
Provides instruction on the use and application of hand-held global positioning systems (GPS). Includes navigation, using a GPS with a topographic map, mapping geologic and man-made features using a GPS and exchanging information with computerized digital maps.

GEY 145 Earth Science
4 Credit hours 60 Contact hours
Provides opportunities for students to develop comprehensive concepts basic to the earth, its materials, processes, history, and environment. Part one will pertain to mineral identification, igneous, sedimentary, and metamorphic rocks, the rock cycle, the earth's interior, land formation, theory of plate tectonics, formation of rivers and streams, the hydrologic cycle, and topographic maps. Part two gives an overview of weather and climate and how they relate to earth and its processes. Part three provides an overview of the solar system, stars, galaxies, and the most recent scientific discoveries in astronomy. Part four is focused on oceanography as it studies the composition of oceans, seafloor, and diversity of ocean life. Field and in-classroom laboratory investigations of selected topics in the specific content areas are an integral part of the course. Lab and field safety training provided.

Prerequisite: Successful completion of REA 060 and ENG 060 (Grade C or higher) or equivalent assessment score.

GEY 208 Geology Field Trip
3 Credit hours 113 Contact hours
Involves in-depth field studies into the geology of specific regions both within and outside Colorado. Trips lasting from one to several days' length to study the area constitute the major activity of the course. The specific area of investigation is indicated in the schedule of classes each time the course is offered.

Prerequisite: Permission of Instructor.

GEY 275 Special Topics
0-12 Credit hours 5-45 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.

Health Information Technology

HIT 111 Health Data Management and Information Systems
3 Credit hours 45 Contact hours
Introduces the practice of maintenance, compilation, analysis, and presentation of healthcare statistical data. Discussion is focused on the use, collection, presentation, and verification of health care data including fundamental concepts of descriptive statistics; data validity and reliability; data presentation techniques; and vital statistics. Introduces the electronic health record (EHR), health informatics and the infrastructure required for the EHR. Data reliability and validity will be emphasized.

HIT 120 Networking with Health IT Systems
3 Credit hours 45 Contact hours
Laboratory work with simulated systems or real systems with simulated data. As they play the role of practitioners using these systems, students will learn what is happening from the operator's perspective. They will experience threats to security and appreciate the need for standards, high levels of usability, and how errors can occur. The course provides hands-on experience in computer labs or on-site in health organizations.

HIT 121 Networking and Health Information
2.5 Credit Hours 37.5 Contact hours
In-depth analysis of data mobility including the hardware infrastructure (wires, wireless, and devices supporting them), the ISO stack, standards, Internet protocols, federations and grids. The Nationwide Health Information Network and other nationwide approaches to distribution of Electronic Health Records by Health Information Exchanges will also be explored. Also covered are the functional models and certification of the Electronic Health Record and Data Standards for these Records.

HIT 123 Configuring EHR
2 Credit hours 30 Contact hours
A practical experience with a laboratory component, addressing approaches to assessing, selecting, and configuring EHRs to meet the specific needs of customers and end-users.

HIT 150 Healthcare Delivery Systems
3 Credit hours 45 Contact hours
This course provides an overview of the health care delivery system at the national, state and local level including the organizations that provide health care, applicable regulations and standards, reimbursement methods used professionals that provide the services, as well as resources. Current trends in health care delivery are presented including health facilities, medical staff organization and functions, the changing roles of health care professionals, and patterns of financing health care.

HIT 175 not in CCCNS

HIT 261 Healthcare Software
3 Credit hours 45 Contact hours
This course covers basic computer system architecture, file structure, and design for health care settings. Topics include system analysis, design, security, and selection for a variety of hardware environments. This course provides students with a review of computer fundamentals and the fundamentals of the electronic health record and an introduction to the information systems life cycle with software application. Security and confidentiality issues, concerns and implications in relation to the electronic health record will be addressed.

HIT 262 Usability and Human Factors
2 Credit hours 30 Contact hours
Rapid prototyping; user-centered design and evaluation, effects of new technology and workflow on downstream processes; and unit-wide focus groups and simulations.

Health Wellness Education

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 of REA 060 and ENG 060 (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.

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 place on the development of weight management programs, review of current trends and diets, essential nutrients, eating disorders, special populations, and the role of exercise in weight management.

HWE 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 cardio-vascular endurance, muscular strength and endurance training, flexibility training, and body composition management to meet individual needs.

HWE 120 Wilderness First Aid
1 Credit hour 15 Contact hours
Provides limited medical information to cope with basic wilderness emergencies.

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.

Prerequisites: 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.

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.

Prerequisites: 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.

HWE 230 Exercise and Sports Psychology
3 Credit hours 45 Contact hours
Teaches students how to apply behavioral principles and techniques that may help people increase their motivation to exercise and change health-impairing 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.

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.

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.

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.

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.

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.

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.

Health Professional

HPR 117 Anatomical Kinesiology
3 Credit hours   45 Contact hours
Studies the Anatomical Bases of Human Movement.

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 209 Pathway to Professional Nursing: Quality Improvement and Safety
3 Credit hours   45 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.

Corequisite/Prerequisites: Acceptance into the Integrated Pathway to Baccalaureate Nursing Education Program or permission of faculty

HPR 275 Special Topics
1-12 Credit hour(s)   30 Contact hours
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisites: Permission of the Instructor.

Hebrew

HEB 111 Introduction to the Hebrew Language
5 Credit hours   75 Contact hours
Deals with the development of functional proficiency in listening, speaking, reading and writing the Hebrew language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

HEB 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 Instructor

History

HIS 101 Western Civilization: Antiquity - 1650
3 Credit hours   45 Contact hours
Explores a number of events, peoples, groups, ideas, institutions, and trends that have shaped Western Civilization from the prehistoric era to 1650. Reflects the multiple perspectives of gender, class, religion, and ethnic groups. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 102 Western Civilization: 1650 - Present
3 Credit hours   45 Contact hours
Explores a number of events, peoples, groups, ideas, institutions, and trends that have shaped Western Civilization from 1650 to the present. Reflects the multiple perspectives of gender, class, religion, and ethnic groups. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline. This is a stand-alone course; HIS 101 is not a prerequisite.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 111 The World: Antiquity - 1500
3 Credit hours   45 Contact hours
Enables the student to view history up to 1500 CE 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.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 112 The World: 1500 - Present
3 Credit hours   45 Contact hours
Enables students to view history post 1500 CE 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. This is a stand-alone course; HIS 111 is not a prerequisite.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 201 U.S. History to Reconstruction
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 202 U.S. History Since the Civil War
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 201 is not a prerequisite.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 205 Women in World History
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 ENG 060 (grade C or higher) or equivalent assessment score (SS: 70+, ACT English: 17+).

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
3 Credit hours   45 Contact hours
Analyzes historical and sociocultural 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.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 215 Women in U.S. History
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.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 225 Colorado History
3 Credit hours   45 Contact hours
Presents the story of the people, society, and cultures of Colorado from its earliest Native Americans, through the Spanish influx, the explorers, the fur traders and mountain men, the gold rush, railroad builders, the cattlemen and farmers, the silver boom, the tourists, and the modern state.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 236 U.S. History Since 1945
3 Credit hours   45 Contact hours
Focuses on the major political, economic, social, and cultural developments that have shaped modern America from 1945 to the present.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 244 History of Latin America
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 247 20th Century World History
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.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HIS 249 History of Islamic Civilization
3 Credit hours   45 Contact hours
Surveys the tenets of Islam and the political, social and cultural history of the civilizations which embraced it from the 6th century to the modern day. Focuses on the diversity and dynamism of Islamic civilizations through time by looking at legal systems, scientific and artistic accomplishments, philosophical heterogeneity and political developments.

Prerequisites: Successful completion of ENG 060 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

HIS 250 African American History
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 ENG 060 (grade C or higher) or equivalent assessment score.

HIS 251 History of Christianity through Reformation
3 Credit hours   45 Contact hours
General introduction to and survey of the history of Christianity from its origins through the Reformation Era (1655). Examines key events, movements, people, and beliefs of the religion in relation to their political, social and cultural settings in Europe.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

HIS 255 The Middle Ages
3 Credit hours   45 Contact hours
Focuses on political, social, cultural, economic and intellectual developments in Europe, Byzantium and the Islamic world from the collapse of Rome through the Renaissance, approximately A.D. 400-1400.

Prerequisite: Successful completion of ENG 060 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

HIS 260 U.S. Foreign Relations History
3 Credit hours   45 Contact hours
Provides an overview of the history of United States foreign relations from the colonial era to the present and includes the pertinent political, military, economic, diplomatic, social, religious, ideological and cultural topics. At various points, issues such as race, class, gender, immigration, expansion, and the environment will be covered. This course also focuses on developing, practicing and strengthening the skills historians use while constructing knowledge in the discipline.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

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 ENG 060 (grade C or higher) or equivalent assessment score.

Humanities

HUM 115 World Mythology
3 Credit hours   45 Contact hours
Introduces students to the mythologies of various cultures. Common themes are illustrated and an interdisciplinary approach is used incorporating some of the following: religion, philosophy, art history, theater, literature, music, cultural studies, and history.

Prerequisites: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HUM 121 Survey of Humanities I: Early Civilizations
3 Credit hours   45 Contact hours
Through a study of the visual arts, literature, music, and philosophy, this course introduces students to the history of ideas that have defined cultures. 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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HUM 122 Survey of Humanities II: Medieval to Modern Civilizations
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

HUM 123 Survey of Humanities III: The Modern World
3 Credit hours   45 Contact hours
Through a study of the visual arts, literature, music, and philosophy, introduces evolution and confluence of world cultures from 1750 C.E. to the present.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

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.

Prerequisites: Successful completion of ENG 060 (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.

Italian

ITA 101 Conversational Italian I
3 Credit hours   45 Contact hours
Provides the first course in a sequence for beginning students who wish to understand and speak Italian. The material includes basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

ITA 102 Conversational Italian II
3 Credit hours   45 Contact hours
Provides the second course in a sequence for students who wish to understand and speak Italian. The material continues to cover basic conversational patterns, expressions and grammar.

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

ITA 111 Italian Language I
5 Credit hours   75 Contact hours
Provides the second course in a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the Italian language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion on ENG 060 and REA 060 (grade C or higher) or equivalent assessment scores.

ITA 112 Italian Language II
5 Credit hours   75 Contact hours
Continues Italian Language I in the development of functional proficiency in listening, speaking, reading and writing the Italian language. Note: The order of the topics and the methodology will vary according to individual texts and instructors

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

ITA 201 Conversational Italian III
3 Credit hours   45 Contact hours
Presents the third course in a sequence for students to advance in their study of understanding and speaking Italian. Focuses on intermediate level vocabulary, grammar, and expressions.

Prerequisite: Successful completion of ITA 102 (grade C or higher).

ITA 202 Conversational Italian IV
3 Credit hours   45 Contact hours
Presents the fourth course in a sequence for students who wish to continue their study of understanding and speaking Italian. The material continues to cover intermediate level conversational patterns, expressions, and grammar.

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

ITA 211 Italian Language III
3 Credit hours   45 Contact hours
Continues Italian Language I and II in the development of increased functional proficiency in listening, speaking, reading and writing the Italian Language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

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

Course Note: This is a statewide guaranteed transfer course.

ITA 212 Italian Language IV
3 Credit hours   45 Contact hours
Continues Italian Language I, II and III in the development of increased functional proficiency in listening, speaking, reading and writing the Italian language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

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

Course Note: This is a statewide guaranteed transfer course.

ITA 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 Instructor

Japanese

JPN 101 Conversational Japanese I
3 Credit hours   45 Contact hours
Introduces beginning students to conversational Japanese and focuses on understanding and speaking Japanese. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

JPN 102 Conversational Japanese II
3 Credit hours   45 Contact hours
Continues the sequence for students who wish to understand and speak Japanese. Covers basic conversational patterns, expressions and grammar.

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

JPN 111 Japanese Language I
5 Credit hours   75 Contact hours
Introduces a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the Japanese language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion on ENG 060 and REA 060 (grade C or higher) or equivalent assessment scores.

JPN 112 Japanese Language II
5 Credit hours   75 Contact hours
Continues Japanese Language I in the development of functional proficiency in listening, speaking, reading and writing the Japanese language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

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

JPN 201 Conversational Japanese III
3 Credit hours   45 Contact hours
Continues the sequence for students to advance in their study of understanding and speaking Japanese. Focuses on intermediate level vocabulary, grammar, and expressions.

Prerequisite: Successful completion of JPN 102 (grade C or higher).

JPN 202 Conversational Japanese IV
3 Credit hours   45 Contact hours
Provides the fourth course in a sequence for intermediate students. The goal of foreign language learning is to acquire proficiency in communication skills (listening, speaking, writing and reading) and to develop an understanding of other cultures.

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

JPN 211 Japanese Language III
3 Credit hours   45 Contact hours
Continues Japanese I and II in the development of increased functional proficiency in listening, speaking, reading and writing the Japanese language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.

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

Course Note: This is a statewide guaranteed transfer course.

JPN 212 Japanese Language IV
3 Credit hours   45 Contact hours
Continues Japanese Language I, II and III in the development of increased functional proficiency in listening, speaking, reading and writing the Japanese language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

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

Course Note: This is a statewide guaranteed transfer course.

JPN 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 Instructor.

Law Enforcement Academy

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   45 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.

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
3 Credit hours   45 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.

Literature

LIT 115 Introduction to Literature
3 Credit hours   45 Contact hours
Introduces students to fiction, poetry, and drama. Emphasizes active and responsive reading.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

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
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

LIT 202 World Literature after 1600
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

LIT 205 Ethnic Literature
3 Credit hours   45 Contact hours
Focuses on significant texts by ethnic Americans, including African-American, Native American, Latino/a, and Asian Americans. Emphasizes careful reading and understanding of the cultural and literary elements of the works.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

LIT 211 American Literature to Civil War
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

LIT 212 American Literature after Civil War
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

LIT 221 British Literature to 1700
3 Credit hours   45 Contact hours
An overview of British literature from the Anglo-Saxon period through the seventeenth century. Explores ideas and social contexts, themes, and literary characteristics of works in various genres by major writers.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

LIT 222 British Literature since 1700
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

LIT 225 Introduction to Shakespeare
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

LIT 246 Literature of Women
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 ENG 060 (grade C or higher) or equivalent assessment scores.

LIT 255 Children's Literature
3 Credit hours   45 Contact hours
Evaluates the criteria for selecting appropriate literature for children through exploration of genres, age levels, and values taught through literature, and the literary and artistic quality of various texts.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

LIT 278 Seminar
0-12 Credit hours 15-90 Contact hours
Explores particular authors, topics, and themes in depth.

Management

BTE 225 Administrative Office Management
3 Credit hours   45 Contact hours
Emphasizes 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.

MAN 116 Principles of Supervision
3 Credit hours   45 Contact hours
Studies the principles and techniques of managing and motivating personnel. Designed for the student who is interested in supervising others or for those presently in supervision. Course content focuses on human interaction in supervision.

MAN 129 Labor Relations
3 Credit hours 45 Contact hours
Provides an analysis of labor economics, collective bargaining, labor laws, legal issues, and the role of government in labor relations.

MAN 166 Project Team Building
1 Credit hour   15 Contact hours
Develops skills in project team building and group decision techniques. Participants will experience effective methods for building high performance project teams while developing and understanding team dynamics, team composition, and team decision making tools. Develops skill in team diagnostics, evaluation, and coaching techniques.

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.

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 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.

Prerequisites: Successful completion of ACC 101 or 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.

MAN 241 Project Management in Organizations

3 Credit hours   45 Contact hours

Introduces students to the planning, implementation, and control activities of project management, including project and performance evaluation, quality control and work flow analysis. Emphasis will be on the initiating, planning, executing, controlling and closing activities of project management.

MAN 242 Project Management Tools and Techniques

3 Credit hours   45 Contact hours

Emphasizes project management techniques and tools wherein students will learn the necessary skills to track a project, keeping it on time and within budget. Students will apply software to solve project cases and to construct scheduling charts and reports.

MAN 256 Critical Chain Project Management

2 Credit hours   30 Contact hours

Learn Eli Goldratt's critical chain as a new and exciting way to accurately manage multiple projects within budget and time constraints. Understand the concept of constraints, critical chain, making time estimates under conditions of uncertainty, buffer management, interdependency of resources, and focusing effort. Learn the implications of critical chain for various types of projects.

MAN 267 Process Control-Project Management

3 Credit hours   45 Contact hours

Introduces advanced concepts of statistical process control. Participants will learn and apply statistical tools for discovering and addressing sources of variation. Statistical concepts and tools include variable selection, control charts, chart interpretation, process capability and control, gage studies, and process control maintenance. Statistical calculator or statistical software program required.

MAN 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.

MAN 287 Cooperative Education/Internship

3 Credit hours   135 Contact hours

Provides students with the opportunity to supplement course work with practical work experience related to their educational programs and occupational objectives. Students are placed at approved work stations which are related to their program of study. They work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor/ coordinator.

MAN 289 Capstone: Management Information Systems

3 Credit hours   45 Contact hours

Utilizes seminar and simulation techniques in management information systems. Management concepts and principles are applied to both situational and comprehensive case problems.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

Marketing

MAR 111 Principles of Sales

3 Credit hours   45 Contact hours

Enables students to understand and develop ethical sales techniques and covers the role of selling in the marketing process. Areas of emphasis include behavioral considerations in the buying and selling process and sales techniques.

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 hour   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.

MAR 220 Principles of Advertising

3 Credit hours   45 Contact hours

Examines the principles and practices of advertising and its relationship to business in order to promote a business or organization. Areas of major emphasis include advertising principles, strategies, media, copy and layout, and ethical considerations.

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.

Mathematics

All Math courses are available on-line except MAT 103, MAT 107, MAT 108, MAT 109, MAT 155, MAT 156

MAT 030 Fundamentals of Mathematics

2 Credit hours   30 Contact hours

Includes the vocabulary, operations, and applications of whole numbers, decimals, and basic fractions and mixed numbers. Does not apply to CCA degrees or certificates.

Prerequisite: Equivalent assessment scores. (AR: 24-56 and CMDT less than 12, ACT Math: 15+, SAT Math: 407+).

Course Note: Does not apply to CCA degrees or certificates.

MAT 060 Pre-Algebra

3 Credit hours   45 Contact hours

Furthers the study of fractions and mixed numbers. Includes vocabulary, operations and applications of ratio, proportion, percent, area, perimeter, US and metric measures, integers, and an introduction to algebraic expressions and the solution of basic first-degree equations. Does not apply to CCA degrees or certificates.

Prerequisite: Successful completion of MAT 030 (grade C or higher) or equivalent assessment scores (AR: 57-120; or Arithmetic less than 57 and CMDT is 12 or higher EA: 0-44, ACT Math: 16, SAT Math: 420+).

Course Note: Does not apply to CCA degrees or certificates.

MAT 090 Introductory Algebra

4 Credit hours   60 Contact hours

Includes first-degree equations, inequalities, formulas, polynomials, algebraic fractions, factoring polynomials, solving quadratic equations by factoring, and applications. Coordinate geometry, graphing linear equations and inequalities, and systems of linear equations may be included. Does not apply to CCA degrees or certificates.

Prerequisite: Successful completion of MAT 060 (grade C or higher) or equivalent assessment scores (EA: 45–60, ACT Math: 17, SAT Math: 434+).

Course Note: Does not apply to CCA degrees or certificates.

MAT 099 Intermediate Algebra

4 Credit hours   60 Contact hours

Emphasizes problem solving with further study of equations, slope, inequalities, systems of equations, polynomials, quadratic equations, rational expressions, rational exponents, radical expressions, graphing and applications. A graphing calculator or equivalent software may be utilized. Does not apply to CCA degrees or certificates.

Prerequisite: Successful completion of MAT 090 (grade C or higher) or equivalent assessment scores (EA: 61 – 84, ACT Math: 18, SAT Math: 447+).

Prerequisite or Co-requisite: MAT 111.

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.

Prerequisites: Successful completion of MAT 090 (grade C or higher) or equivalent assessment scores (EA: 61+).

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: Successful completion of MAT 060 (grade C or higher) or equivalent assessment scores (EA: 45-60, ACT Math: 17, SAT Math: 434+; ACAR: 057).

MAT 108 Technical Mathematics

4 Credit hours   60 Contact hours

Designed for career technical students 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 n an introductory level and the emphasis is on applications.

Prerequisite: Successful completion of MAT 090 (grade C or higher) or equivalent assessment scores (EA: 61+; ACTM: 18 and SATM: 447).

MAT 109 Geometry

3 Credit Hours   45 Contact Hours

Teaches basic geometric principles involving lines, triangles, circles, polygons, and three-dimensional figures. Geometric constructions and measurement in the metric and US systems are covered.

Prerequisite: Successful completion of MAT 090 (grade C or higher) or equivalent assessment scores (EA: 61+).

MAT 111 Technology Lab for Algebra

1 Credit hour   15 Contact hours

Explores and applies algebraic topics in a laboratory course using graphing calculators.

MAT 112 Financial Mathematics

3 Credit hours   45 Contact hours

Covers topics including pricing, taxes, insurance, interest, annuities, amortization, and investments using financial calculators and spreadsheets.

Prerequisites: Successful completion of MAT 060 (grade C or higher) or equivalent assessment scores (EA: 45-60, ACT Math: 17 SAT Math: 434+).

MAT 120 Mathematics for Liberal Arts

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: Successful completion of MAT 090 (grade B or higher) or MAT 099 (grade C or higher) or equivalent assessment scores (EA: 85+, ACT Math: 19+, SAT Math: 460+).

Course Note: This is a statewide guaranteed transfer course.

MAT 121 College Algebra

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: Successful completion of MAT 099 (grade C or higher) or equivalent assessment scores (EA: 85+, ACT Math: 23+, SAT Math: 513+). Prerequisite or Corequisite: MAT 111

Course Note: This is a statewide guaranteed transfer course.

MAT 122 College Trigonometry

3 Credit hours   45 Contact hours

Topics include trigonometric functions (with graphs and inverse functions), identities and equations, solutions of triangles, complex numbers, and other topics as time permits. Graphing calculator required.

Prerequisite: Successful completion of MAT 121 (grade C or higher) or equivalent assessment scores (CLM 63-102, ACT Math: 24+, SAT Math: 527+).

Course Note: This is a statewide guaranteed transfer course.

MAT 123 Finite Mathematics

4 Credit hours   60 Contact hours

Covers topics including functions, matrix algebra, linear programming, and an introduction to probability and counting techniques. Emphasis is on applications. May include other topics such as statistics when time permits. Primarily intended for business, life science, or social science majors. Graphing calculator required.

Prerequisite: Successful completion of MAT 099 (grade C or higher) or equivalent assessment scores (EA: 85+, ACT Math: 23+, SAT Math: 513+).

Course Note: This is a statewide guaranteed transfer course.

MAT 125 Survey of Calculus

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 ACT Math 25+, SAT Math: 540+, or ACCM: 063.

Course Note: This is a statewide guaranteed transfer course.

MAT 135 Introduction to Statistics

3 Credit hours   45 Contact hours

Includes data presentation and summarization, introduction to probability concepts and distributions, statistical inference-estimation, hypothesis testing, comparison of populations, correlation and regression. Graphing calculator required.

Prerequisite: Successful completion of MAT 090 (grade B or higher) or MAT 099 (grade C or higher) or equivalent or equivalent assessment scores (EA: 85+, ACT Math: 21+, SAT Math: 540+). Co-requisite: MAT 179.

Course Note: This is a statewide guaranteed transfer course.

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: Successful completion of MAT 099 (grade C or higher) or equivalent assessment scores (EA: 85+, ACT Math: 19, SAT Math: 460).

Course Note: This is a statewide guaranteed transfer course.

MAT 156 Integrated Math II

3 Credit hours   45 Contact hours

Furthers 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: Successful completion of MAT 155 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

MAT 166 Pre-Calculus

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 099 (grade C or higher) or equivalent assessment scores (EA: 85+, ACT Math: 25+, SAT Math: 540+).

Course Note: This is a statewide guaranteed transfer course.

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.

Co-requisite: MAT 135.

MAT 201 Calculus I

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 121 AND MAT 122 or MAT 166 (grade C or higher) or equivalent assessment scores (CLM 103-120, ACT Math: 28, SAT Math: 580+).

Course Note: This is a statewide guaranteed transfer course.

MAT 202 Calculus II

5 Credit hours   75 Contact hours

Continuation of single variable calculus which includes 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).

Course Note: This is a statewide guaranteed transfer course.

MAT 203 Calculus III

4 Credit hours   60 Contact hours

Completes the traditional subject matter of calculus. Includes vectors, vector-valued functions, and multi-variable calculus, including partial derivatives, multiple integrals, line integrals, and applications. Graphing calculator required.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

MAT 204 Calculus III with Engineering Applications: GT-MA1

5 Credit hours   75 Contact hours

Includes all the topics of 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.

Prerequisites: Successful completion of MAT 202 (grade C or higher)

Course Note: This is a statewide guaranteed transfer course

MAT 215 Discrete Mathematics

4 Credit hours   60 Contact hours

Includes formal logic, algorithms, induction proofs, counting and probability, recurrence relations, equivalence relations, graphs, shortest-path, and tree traversal. Designed for mathematics and computer science students.

Prerequisite: Successful completion of MAT 125 or 201 (grade C or higher) and recommended one high-level programming language.

Course Note: This is a statewide guaranteed transfer course.

MAT 255 Linear Algebra

3 Credit hours   45 Contact hours

Includes vector spaces, matrices, linear transformations, matrix representations, eigenvalues, and eigenvectors. Graphing calculator required.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

MAT 265 Differential Equations

3 Credit hours   45 Contact hours

Emphasizes 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. Graphing calculator required.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

MAT 266 Differential Equations with Linear Algebra

3 Credit hours   45 Contact hours

Covers first and second order differential equations, series solutions, Laplace transforms, linear algebra eigenvalues, first order systems of equations, and numerical techniques. Graphing calculator required.

Prerequisite: Successful completion of MAT 202 (grade C or higher).

Co-requisite: MAT 203

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.

Mediation

MED 101 Introduction to Mediation

3 Credit hours   45 Contact hours

Introduces students to the role of the mediator in helping parties resolve their disputes. Students explore conflict resolution, communication, and problem-solving skills necessary for achieving effective dispute resolution in both professional and personal situations.

MED 104 Culture and Conflict Resolution

3 Credit hours   45 Contact hours

Explores the role culture plays in conflict and its resolution, including the ways that race, ethnicity, gender, national origin, age, religion, sexual orientation, and language influence mediation.

Prerequisite: Successful completion of MED 101 (grade C or higher) or permission of the program coordinator.

MED 202 Family Mediation

3 Credit hours   45 Contact hours

Examines the process of mediation as it applies to family law issues such as divorce, child custody and parenting time, division of marital assets, and domestic violence.

Prerequisite: Successful completion of MED 101 (grade C or higher) or permission of Instructor.

MED 203 Employment and Business Mediation

3 Credit hours   45 Contact hours

Examines the applications of mediation to employment issues such as interpersonal conflict, employee discipline and job performance, harassment, and discrimination.

Prerequisite: Successful completion of MED 101 (grade C or higher) or permission of Instructor.

Music

MUS 100 Fundamentals of Music Theory

3 Credit hours   45 Contact hours

Designed to help beginning music students or those students with limited background in music theory. Focuses upon the basic elements of music, including notation, rhythm, scales, key signatures, intervals, and chords.

MUS 105 Introduction to Electronic/Computer Music
3 Credit hours   45 Contact hours
Explores the elements of electronic music and demonstrates some of the most popular music software for Apple and PC computers, including music notation and music sequencing programs. Achieving a fundamental working knowledge of setup and recording procedures on a personal computer is stressed. Equipment is provided and beginner's knowledge on either Apple or PC computer is helpful but not essential.

MUS 110 Music Theory I
3 Credit hours   45 Contact hours
Reviews music fundamentals and emphasizes diatonic four-part harmony and analysis.

Prerequisite: Successful completion of MUS 100 (grade C or higher) or permission of Music Department Coordinator.

Corequisite: MUS 112 Ear Training/Sight Singing I.

MUS 111 Music Theory II
3 Credit hours   45 Contact hours
Emphasizes chromatic four-part harmony, analysis.

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   30 Contact hours
Exercises in melodic, rhythmic, and harmonic dictation and sight singing.

Prerequisite: Successful completion of MUS 100 (grade C or higher) or permission of Music Department Coordinator.

Corequisite: MUS 110 Music Theory I.

MUS 113 Ear Training/Sight Singing Lab II
1 Credit hour   30 Contact hours
Exercises in melodic, rhythmic, and harmonic dictation and sight singing.

Prerequisite: Successful completion of MUS 110 and MUS 112 (grade C or higher).

Corequisite: MUS 111 Music Theory II.

MUS 120 Music Appreciation
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

MUS 121 Music History I
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

MUS 122 Music History II
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 MUS 120, 121 or ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

MUS 123 Survey of World Music
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

MUS 131 Music Class: Guitar
2 Credit hours   45 Contact hours
Introduces basic guitar techniques applicable to all styles of electric and acoustic guitar performance.

MUS 131 Music Class: Piano
2 Credit hours   45 Contact hours
Introduces basic piano techniques. Emphasizing scales, chords, and beginning to intermediate music. Additional applications include sight reading, ensemble performance, and accompaniment patterns.

MUS 131 Music Class: Voice
2 Credit hours   45 Contact hours
Intended for the beginning singer or singers with previous training who wish to review the fundamentals of vocal technique. Correct breath management, range development, projection, interpretation, performance, and care of the voice are taught in both group and individual sessions.

MUS 151-154 Jazz Band I-IV
1 Credit hour   30 Contact hours
Weekly rehearsals are required for the public concerts. May be repeated for credit for four semesters. This course is also available as Continuing Education for $100.00.

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.

Music Private Instruction

MUS 141 – MUS 144 Private Instruction
Private instruction consists of one lesson per week.

Prerequisites: MUS 131 or audition for guitar, piano, and voice; audition for all other instruments; MUS 100 or permission from music department coordinator for composition. Since private lessons may be repeated for credit for a total of four semesters, they must be taken in sequence, beginning with MUS 141. A private instruction registration permission form is required for enrollment each semester. Also, a fee is added to tuition. Scheduling lessons depend on the availability of an instructor and space. To arrange for an audition, or to schedule lessons, contact the Music Department Coordinator at 303-361-7425.

Occupational Safety

OSH 127 10 Hour Construction Industry Standards
1 Credit hour   10 Contact hours
Provides a 10-Hour OSHA certification course for the construction industry and participants will review the current OSHA standards contained in 29 CFR 1926. Participants that complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

Paralegal

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.
Course Note: Offered Spring semester only.

PAR 117 Family Law
3 Credit hours   45 Contact hours
Covers domestic law, common property, dissolutions, adoptions, legal separation, and other family law issues.
Course Note: Offered Spring semester only.

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.
Course Note: Offered Summer semester only.

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 202 Evidence
3 Credit hours   45 Contact hours
Introduces the student to State and Federal Rules of Evidence and application to the trial process.

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.

Course Note: Offered Spring semester only.

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.

Course Note: Offered Fall semester only.

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.

Course Note: Offered Summer semester only.

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.

Course Note: Offered Fall semester only.

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 (knowledge of Word or Word Perfect required).

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 (knowledge of Word or Word Perfect required).

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.

Course Note: Offered Fall semester only.

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 hour(s)   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 hour(s)   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.

Physical Education

PED 100 Beginning Golf
1 Credit hour   30 Contact hours
Introduces a basic course in golf designed for those who have had little or no formal instruction or for those with some experience who are interested in improving some aspect of their game. Includes driving range, putting green, and on-course play.

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 Conditioning Lab
1 Credit hour   15 Contact hours
Offers an independent self-paced format of conditioning exercises to meet individual needs. Emphasizes the value of lifetime fitness and its contribution to achieving personal health and wellness. Students utilize cardio-respiratory, muscular strength and endurance exercises to promote positive changes in health-related fitness components.

PED 113 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 114 Walking and Jogging
1 Credit hour   15 Contact hours
Enables the student to understand the values in walking and jogging. Safety precautions and emphasis on personal programs are emphasized.

PED 115 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 116 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 117 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 119 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 129 Scuba Diving
1 Credit hour   30 Contact hours
Provides basic instruction in scuba diving. Focuses on the knowledge and skills related to swimming and snorkeling, diving equipment, communications, the environment, safety, dive tables, and other pertinent information a student needs for safe scuba diving. This course prepares the student for open-water (PADI) certification.

Prerequisites: Health/fitness requirements apply-contact Chair

PED 136 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 143 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 144 Tai Chi II
1 Credit hour   15 Contact hours
Emphasizes the instruction of Tai-Chi from a practical and scientific approach with illustrations of applications for each of the movements in daily life. Cardiovascular training, strength and flexibility training, balance and coordination are integral parts of the Tai-Chi training. In addition psychosocial skills such as meditation, relaxation and self-efficacy are covered.

Prerequisite: Successful completion of PED 143 or Chair approval

PED 145 Pilates Mat Work I
1 Credit hour   15 Contact hours
Focuses on Pilates mat work to increase core strength, overall muscles tone and flexibility with focused and precise floor work techniques. A physical education class built upon the philosophies and exercises of Josef Pilates.

PED 146 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 147 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 148 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 147 (grade C or higher) or Chair approval

PED 165 Wilderness Survival Skills
3 Credit hours   45 Contact hours
This course emphasizes the physiological, psychological and practical principles of survival. Survival equipment, wilderness improvising techniques, and wilderness dangers are included.

PED 166 Winter Wilderness Survival Skills
2 Credit hours   60 Contact hours
Emphasizes winter survival techniques in the nivean environment at or near timberline. Focuses on winter ecology, basic snow science, and avalanche safety and rescue in a backcountry setting. This course includes field days and an overnight in a snowcave.

PED 167 Basic Search and Rescue
3 Credit hours   90 Contact hours
Covers the basic fundamentals required for search and rescue in a wilderness environment. Includes tracking techniques and field trips.

PED 168 Cardio Kickboxing Aerobic I
1 Credit hour   15 Contact hours
Introduces aerobic kickboxing as an innovative new interval training aerobics workout that burns fat and increases cardio respiratory endurance. This high intensity course will focus on basic kickboxing moves and technique through hi-low aerobics choreography and target striking. The course will also include floor work to focus on toning and flexibility.

PED 200 Advanced Golf
1 Credit hour   15 Contact hours
Covers skills designed for individuals with an advanced level of golfing skills who are interested in improving their game. Driving range, putting green and on course instruction and play will be included. Use of woods, irons, wedges and putting will be stressed. All instruction will be by certified golf instructors.

Prerequisite: Successful completion of PED 100 (grade C or higher) or Chair approval

PED 210 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, dumbells, 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 211 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 210 (grade C or higher) or Chair approval

PED 213 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 215 Open Water Diver
1 Credit hour   30 Contact hours
Requires student divers to demonstrate mastery of performance requirements for four (4) different open water dives to become a certified open water diver through the Professional Association of Diving Instructors (PADI).

Prerequisite: Requires current enrollment in or completion of PED 129or proof of current SCUBA certification.

PED 233 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 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 hour(s)
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.

Physical Education and Recreation

PER 232 Care and Prevention of Athletic Injuries
3 Credit hours   45 Contact hours
Focuses on techniques in prevention, care and basic rehabilitation of athletic injury.

Philosophy

PHI 111 Introduction to Philosophy
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

PHI 112 Ethics
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

PHI 113 Logic
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

PHI 114 Comparative Religions
3 Credit hours   45 Contact hours
Introduces students to the similarities and differences among concepts predominant in the major world religions, comparing sociological, philosophical, and phenomenological similarities between major world faiths. Designed to transfer to any four-year college philosophy, religious studies, or humanities department.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

PHI 115 World Religions-West
3 Credit hours   45 Contact hours
Introduces students to the common and different concepts predominant in the major world religions. Includes sociological, political, psychological, and philosophical aspects of a variety of belief systems. Focuses on the concept of religion as a cultural system and a way that people make sense of a complex world. Particular emphasis is placed on how myths, legends, and folk tales reveal religious concerns.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

PHI 116 World Religions-East
3 Credit hours   45 Contact hours
Emphasizes the diversity and richness of Eastern Religions within a cross-cultural context. Analyzes concepts such as fate, reincarnation, enlightenment, and morality.

Prerequisite: Successful completion of ENG 060 (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.

PHI 214 Philosophy of Religion
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

PHI 218 Environmental Ethics

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.

Prerequisites: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

PHI 220 Philosophy of Death and Dying

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.

Prerequisites: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

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.

Physics

PHY 105 Conceptual Physics

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 090 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

PHY 111 Physics: Algebra Based I with Lab

5 Credit hours   105 Contact hours

Enables students to explore the truth about physical reality 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 recommended for all of the health sciences and other interested students. Students entering engineering or one of the advanced sciences should register for PHY 211.

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

Course Note: This is a statewide guaranteed transfer course.

PHY 112 Physics: Algebra Based II with Lab

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).

Course Note: This is a statewide guaranteed transfer course.

PHY 211 Physics: Calculus Based I with Lab

5 Credit hours   90 Contact hours

Enables students to examine the truth about our physical reality through reasoning, mathematics, and experimentation. Covers kinematics, force, gravity, energy, momentum, torque, rotational dynamics, fluids, and waves. The concepts and theories presented in class are explored through demonstrations and hands-on experiments. The 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).

Course Note: This is a statewide guaranteed transfer course.

PHY 212 Physics: Calculus Based II with Lab

5 Credit hours   90 Contact hours

Expands upon PHY 211 and examines thermodynamics, 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).

Course Note: This is a statewide guaranteed transfer course.

Photography

(See Art, Media, and Technology)

Political Science

POS 105 Introduction to Political Science

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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

POS 111 American Government

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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

POS 125 American State and Local Government

3 Credit hours   45 Contact hours

Emphasizes the structure and function of state, county, and municipal governments, including their relations with each other and with national government. Includes a study of Colorado government and politics.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

POS 205 International Relations

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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

POS 215 Current Political Issues

3 Credit hours   45 Contact hours

Incorporates an in-depth analysis of critical issues in political science. Examines current topics and issues.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

POS 225 Comparative Government

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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

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 ENG 060 (grade C or higher) or equivalent assessment score.

Public Security Management

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.

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.

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.

PSM 135 Critical Infrastructure Protection

1 Credit hour 15 Contact hours

Explores the facets of Critical Infrastructure protection. Provides the student with an interactive forum to develop protection strategies.

PSM 136 Hospital Emergency Response Training (HERT) for Weapons of Mass Destruction (WMD)

3 Credit hours   45 Contact hours

Provides Hospital Emergency Response Training (HERT) for Weapons of Mass Destruction (WMD). This course is designed to provide guidance to hospitals, EMS, health care facilities and citizens who may become involved in a mass casualty incident as a result of a hazardous materials incident (HMI) or weapons of mass destruction (WMD) event. The HERT/WMD introduces the hospital incident management system (HIMS), addresses chemical protective clothing and equipment (CPC&E) requirements, and presents guidance for hospital emergency response team (HERT) design, development and training. This course prepares HERT to conduct safe and effective emergency response during mass casualty incidents (MCI).

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.

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-resistive 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 280 Internship
1-12 Credit hour(s)   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.

Psychology

PSY 101 General Psychology I
3 Credit hours   45 Contact hours
Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

PSY 102 General Psychology II
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, social psychology, and sexuality. This is a stand-alone course; PSY 101 is not a prerequisite.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

PSY 107 Work Group Psychology
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 ENG 060 (grade C or higher) or equivalent assessment score.

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.

PSY 112 Psychology of Adjustment
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 ENG 060 (grade C or higher) or equivalent assessment score.

PSY 117 Parenting
1 Credit hour   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 ENG 060 (grade C or higher) or equivalent assessment scores.

PSY 204 Relationships: Challenges and Choices
1 Credit hour   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.

PSY 205 Psychology of Gender
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

PSY 217 Human Sexuality
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

PSY 226 Social Psychology
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 and successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

PSY 227 Psychology of Death and Dying
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

PSY 235 Human Growth and Development
3 Credit hours   45 Contact hours
Examines human development from conception through death, emphasizing physical, cognitive, emotional, and psychosocial factors.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

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 ENG 060 (grade C or higher) or equivalent assessment score.

PSY 238 Child Development
3 Credit hours   45 Contact hours
Focuses on the growth and development of the individual from conception through childhood, emphasizing physical, cognitive, emotional, and psychosocial factors.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

PSY 240 Health Psychology
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.

Prerequisites: Successful completion of ENG 090 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

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 and ENG 060 (grade C or higher) or equivalent assessment score.

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 ENG 060 (grade C or higher) or equivalent assessment score.

PSY 249 Abnormal Psychology
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 and ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

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 and ENG 060 (grade of C or higher) or equivalent assessment score.

PSY 275 Special Topics
0.5-6 Credit hour(s) | 7.5-90 Contact hours
Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Public Service

PSV 230 Introduction to Civic Leadership
3-6 Credit hours | 45-90 Contact hours
Enables students to develop critical understanding of public leadership through the study of pertinent models, theories, and research.

PSV 275 Special Topics
1 Credit hour | 15 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.

PSV 288 Practicum in Civic Leadership
3-6 Credit hours | 45-90 Contact hours
Enables students to test principles and relate theory to practice in community settings. This is a guided learning opportunity.

Reading

REA 030 Basic Reading Skills
2 Credit hours | 30 Contact hours
Focuses on strategies for word recognition, vocabulary development, stages of reading, and basic reading comprehension.

Prerequisite: Appropriate assessment score (RC: 25-39 or ACTR 14).

Course Note: Does not apply to CCA degrees or certificates.

REA 060 Foundations of Reading
3 Credit hours | 45 Contact hours
Focuses on strategies for vocabulary development, improved reading comprehension, and identifying textbook strategies and paragraph structure, and enrichment.

Prerequisite: Successful completion of ENG 030 and REA 030 (grade C or higher) or equivalent assessment scores (SS: 50-69 or ACTE 16 or CEPT of 2 and RC: 40-61 or ACTR 15 or CRPT of 5.5).

Course Note: Does not apply to CCA degrees or certificates.

REA 090 College Preparatory Reading
3 Credit hours | 45 Contact hours
Enables students to apply strategies for improving comprehension, developing vocabulary, and increasing rate for reading college textbooks. Also focuses on identifying patterns of structure and patterns of development and bias in longer readings.

Prerequisite: Successful completion of REA 060 (grade C or higher) or equivalent assessment score (RC: 62-79 or ACTR 16).

Course Note: Does not apply to CCA degrees or certificates.

Real Estate

REE 118 Principles of Real Estate Appraisal
4 Credit hours | 60 Contact hours
Focuses on the technique and theory of appraisal as it relates to single family residences with emphasis on market data correlation. Includes standard and ethics section. Course qualifies for application to State Registered License.

Co-requisite: REE 119.

REE 119 15-Hour National USPAP Course
1 Credit hour | 15 Contact hours
Satisfies the 16-hour continuing education requirement (standard) for licensed real estate appraisers, including one hour of state appraisal rules and regulations.

Corequisite: REE 118.

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 REA 060 (grade C or higher) or equivalent assessment scores and successful completion of MAT 060 (grade C or higher) or equivalent assessment scores.

REE 202 Real Estate Broker II
6 Credit hours | 90 Contact hours
Enables students, 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 Broker's license. Includes Colorado contracts and regulations, closings, and record keeping and trust accounts.

Prerequisite: Successful completion of REA 060 (grade C or higher) or equivalent assessment scores and successful completion of MAT 060 (grade C or higher) or equivalent assessment scores.

Respiratory Care

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 an online course

Prerequisite: BIO 111 and CHE 101 or permission of Program Director

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

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: RCA 105 or permission of Program Director

Co requisite: RCA 152

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

RCA 132 Basic Techniques-Respiratory Care II

5 Credit hours   75 Contact Hours

Continues RCA 131 and focuses on airways, aerosol therapy, chest physiotherapy, and positive pressure breathing.

Prerequisite: RCA 152 or permission of Program Director

Co requisite: RCA 161 and RCA 165

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

RCA 151 Cardiopulmonary Anatomy/Physiology

3 Credit hours   45 Contact hours

Focuses on the structure of the pulmonary and cardiovascular systems. Addresses independent functional relationships.

Prerequisite: RCA 121 or permission of Program Director

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

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: RCA 105 or permission of Program Director

Co requisite: RCA 121

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

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: RCA 152 or permission of Program Director

Co requisite: RCA 132 and RCA 165

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

RCA 165 Pharm-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: RCA 152 or permission of Program Director

Co requisite: RCA 132 and RCA 161

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

RCA 230 Critical Care I

2 Credit hours   30 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: RCA 151 or permission of Program Director

Co requisite: RCA 252

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

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: RCA 253 or permission of Program Director

Co requisite: RCA 259

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

RCA 251 Critical Care II

2 Credit hours   30 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

Co requisite: RCA 253 and RCA 281

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

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 151 or permission of Program Director

Co requisite: RCA 230

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

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: RCA 230 and RCA 252 or permission of Program Director

Co requisite: RCA 251 and RCA 281

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

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 or permission of Program Director

Co requisite: RCA 232

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

RCA 281 Internship II

0-12 Credit hours

Focuses on the care and analysis of the critically ill patient. Rotations into specialty areas are carried out as the schedule permits.

Prerequisite: RCA 230 and RCA 252 or permission of Program Director

Co requisite: RCA 251 and RCA 253

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

RCA 283 Internship III

0-12 Credit 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

Course Note: This course is taught at Pickens Technical College. A student must be accepted in the Respiratory Therapy Degree program to take this class.

Russian

RUS 101 Conversational Russian I

3 Credit hours   45 Contact hours

Introduces beginning students to conversational Russian and focuses on understanding and speaking Russian. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

RUS 102 Conversational Russian II

3 Credit hours   45 Contact hours

Continues the sequence for students who wish to understand and speak Russian. Covers basic conversational patterns, expressions and grammar.

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

RUS 111 Russian Language I

5 Credit hours   75 Contact hours

Introduces a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the Russian language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion on ENG 060 and REA 060 (grade C or higher) or equivalent assessment scores.

RUS 112 Russian Language II

5 Credit hours   75 Contact hours

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

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

RUS 201 Conversational Russian III

3 Credit hours   45 Contact hours

Continues the sequence for students to advance in their study of understanding and speaking Russian. Focuses on intermediate level vocabulary, grammar, and expressions.

Prerequisite: Successful completion of RUS 102 (grade C or higher).

RUS 202 Conversational Russian IV

3 Credit hours   45 Contact hours

Continues the sequence for students to advance in their study of understanding and speaking Russian. Focuses on intermediate level conversational patterns, expressions, and grammar.

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

RUS 211 Russian Language III

3 Credit hours   45 Contact hours

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

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

Course Note: This is a statewide guaranteed transfer course.

RUS 212 Russian Language IV

3 Credit hours   45 Contact hours

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

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

Course Note: This is a statewide guaranteed transfer course.

RUS 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 Instructor

Science

SCI 155 Integrated Science I – Physics and Chemistry

4 Credit hours   60 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 REA 060, ENG 060, MAT 060 (grade C or higher) or appropriate assessment scores.

Course Note: This is a statewide guaranteed transfer course.

SCI 156 Integrated Science II – Earth and Life Science

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 REA 060, ENG 060, MAT 060 (grade C or higher) or appropriate assessment scores.

Course Note: This is a statewide guaranteed transfer course.

Sociology

SOC 101 Introduction to Sociology I

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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

SOC 102 Introduction to Sociology II

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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

SOC 205 Sociology of Family Dynamics
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

SOC 207 Environmental Sociology
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.

SOC 215 Contemporary Social Problems
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

SOC 218 Sociology of Diversity
3 Credit hours   45 Contact hours
Explores the variety of inter-group relations regarding race, nationality, ethnicity, gender, sexual orientation, and other diversity issues. Discusses patterns of prejudice, discrimination, and possible solutions to these issues.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

SOC 220 Sociology of Religion
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.

Prerequisites: Successful completion of ENG 090 (grade C or higher).

Course Note: This is a statewide guaranteed transfer course.

SOC 231 The Sociology of Deviant Behavior
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

SOC 237 Sociology of Death and Dying
3 Credit hours   45 Contact hours
Provides an opportunity to familiarize students and professionals with the needs and issues surrounding dying and death. Provide sociological, psychological, religious, historical, and anthropological perspectives for interpreting contemporary American customs dealing with dying, death, and bereavement. Examines the professions associated with death and dying, such as hospice, funeral and crematory institutions, and medical care.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

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 ENG 060 (grade C or higher) or equivalent assessment score.

Spanish

SPA 101 Conversational Spanish I
3 Credit hours   45 Contact hours
Offers beginning students the skills necessary to understand and speak Spanish. The material includes basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

SPA 102 Conversational Spanish II
3 Credit hours   45 Contact hours
Offers students the skills necessary to understand and speak Spanish. The material continues to cover conversational patterns, expressions and grammar.

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

SPA 109 Spanish for Travelers
2 Credit hours   30 Contact hours
Introduces the basic vocabulary and expressions useful to travelers in the Spanish speaking countries. The course will concentrate on the customs, traditions and cultural attitudes to be discovered by a visitor to the destination country. Cultural diversity and global awareness are integral to this course of study. This course does not fulfill Humanities Area Requirements. Not intended for transfer.

SPA 111 Spanish Language I
5 Credit hours   75 Contact hours
Introduces a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the Spanish language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prerequisite: Successful completion on ENG 060 and REA 060 (grade C or higher) or equivalent assessment scores.

SPA 112 Spanish Language II
5 Credit hours   75 Contact hours
Continues Spanish Language I in the development of 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 111 (grade C or higher) or permission by the Department Chair.

SPA 114 Fast-Track Spanish I and II
5 Credit hours   75 Contact hours
Designed to bridge beginning SPA courses with intermediate SPA courses. It is designed for students who have studied two years of the target language in high school and possess linguistic and cultural knowledge that true beginners do not, but are not ready yet to move to the intermediate level because they need an in-depth review of essential structures.

Prerequisite: Two years of Spanish in high school or more or permission of the Department Chair.

SPA 115 Spanish for the Professional I
3 Credit hours   45 Contact hours
Designed as an introduction to a working knowledge of the target language, cultural behaviors and values useful in various professional fields such as health care, law enforcement, bilingual education, business, and others.

SPA 175 Special Topics
0-12 Credit hour(s)   15-90 Contact hours
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisites: Permission by the Instructor.

SPA 201 Conversational Spanish III
3 Credit hours   45 Contact hours
Provides students with the skills necessary to continue their study of understanding and speaking Spanish. The material includes intermediate level vocabulary, grammar, and expressions.

Prerequisite: Successful completion of SPA 102 (grade C or higher).

SPA 202 Conversational Spanish IV
3 Credit hours   45 Contact hours
Provides the fourth course in a sequence for intermediate students. The goal of foreign language learning is to acquire proficiency in communication skills (listening, speaking, writing and reading) and to develop an understanding of other cultures.

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

SPA 211 Spanish Language III
3 Credit hours   45 Contact hours
Continues the sequence for students to advance in their study of understanding and speaking Spanish. Focuses on intermediate level vocabulary, grammar, and expressions.

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

Course Note: This is a statewide guaranteed transfer course.

SPA 212 Spanish Language IV
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.

Course Note: This is a statewide guaranteed transfer course.

SPA 215 Spanish for the Professional II
3 Credit hours   45 Contact hours
Continues SPA 115 in the development of a working knowledge of the target language, cultural behaviors and values useful in various professional fields such as health care, law enforcement, bilingual education, business, and others.

Prerequisite: Successful completion of SPA 115 (grade C or higher).

SPA 261 Grammar for the Heritage Language Speaker
3 Credit hours   45 Contact hours
Provides formal grammatical instruction to Foreign Language students whether native or bilingual who want to develop their existing proficiency in the target language.

SPA 262 Composition for the Heritage Language Speaker
3 Credit hours   45 Contact hours
Provides formal composing instruction to Spanish Language students whether native or bilingual who want to develop their existing proficiency in the target language.

SPA 275 Special Topics
0-12 Credit hour(s)   15-90 Contact hours
Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Permission by the Instructor.

Speech
(See Communication)

Small Business Management
(See Business)

Study Skills
(See Academic Achievement)

Theatre

THE 105 Theatre Appreciation
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 ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

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 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 ENG 060 (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 FVT 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   45 Contact hours
Introduces hands-on methods of constructing and painting scenery and properties and operating stage lighting. Students also learn the proper procedures for using shop equipment and serving on stage crews.

Prerequisite: THE 105 is recommended.

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
2 Credit hours   30 Contact hours
Covers design and application techniques, including basic corrective, character, old age, and fantasy application.

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
Examines the practical and creative side of production stage management from a participatory stance by serving as the production stage manager for the current main stage production. Participation is subject to an interviewing process with the show's director/producer and is limited to two students per semester. Interviews will start as much as three months in advance of semester enrollment and may last through the second week of the semester of enrollment.

Prerequisite: Successful completion of THE 131 (grade C or higher) or permission of instructor.

THE 153 Production Stage Management II
3 Credit hours   60 Contact hours
Examines the practical and creative side of production stage management from a participatory stance by serving as the production stage manager for the current main stage production. Participation is subject to an interviewing process with the show's director/producer and is limited to two students per semester. Interviews will start as much as three months in advance of semester enrollment and may last through the second week of the semester of enrollment.

Prerequisite: Successful completion of ENG 060, REA 060, THE 131 (grade C or higher) or permission of instructor.

THE 180 Internship: Theatre Production I

0-6 Credit hour(s)   0-240 Contact hour(s)

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 Theatre Department Director; THE 105 is recommended.

THE 188 Internship: Theatre Production II

0-6 Credit hour(s)   0-240 Contact hour(s)

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 THE 182 (grade C or higher); permission of Theatre Department Director.

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 History of Theatre I

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: THE 105 is recommended. Successful completion of ENG 060 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

THE 212 Development of Theatre II

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: THE 105 is recommended. Successful completion of ENG 060 or ENG 121 (grade C or higher) or equivalent assessment scores.

Course Note: This is a statewide guaranteed transfer course.

THE 213 Intermediate Acting I

3 Credit hours   45 Contact hours

Continues Acting Theatre 112. Emphasis is on artistic concentration of voice and movement. A detailed character biography is required.

Prerequisites: Successful completion of THE 112 (grade C or higher).

THE 214 Intermediate Acting II

3 Credit hours   45 Contact hours

Emphasizes artistic concentration of voice and movement. Detailed character biography is required. This course is a continuation of THE 213.

Prerequisites: Successful completion of THE 213 (grade C or higher).

THE 215 Playwriting

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 218 Readers Theatre

3 Credit hours   45 Contact hours

Studies ensemble interpretation of literature – poetry, prose, and drama, primarily through the medium of the spoken word.

THE 220 Directing I

3 Credit hours   45 Contact hours

Covers the basic techniques for stage directing in contemporary theatre. Topics include stage composition, script analysis, work with actors, and the collaborative role of the director.

Prerequisite: Successful completion of THE 111 (grade C or higher) or permission of instructor.

THE 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 ENG 060, REA 060, 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 ENG 060, REA 060, 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

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

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

3 Credit hours   45 Contact hours

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

THE 280 Practicum: Theatre Production III

1-3 Credit hour(s)   15-45 Contact hours

Allows students to continue 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 183 (grade C or higher), or permission of Theatre Department Director.

THE 281 Practicum: Theatre Production IV

2-4 Credit hours   30-60 Contact hours

Allows students to continue 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 280 (grade C or higher), or permission of Theatre Department Director.

Translation and Interpretation

TRI 101 Introductions 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: Permission by the Department Chair or World Languages Program Coordinator.

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: Permission by the Department Chair or World Languages Program Coordinator.

TRI 103 Code of Ethics
1 Credit hour   15 Contact hours
Presents the general National and State ethical guidelines that govern the conduct of professional interpreters and translators.

TRI 175 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.

TRI 201 Consecutive Interpretation
3 Credit hours   45 Contact hours
Presents the theory, history, and skills of consecutive interpretation and fosters the practical application of these skills.

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

TRI 202 Simultaneous Interpretation
3 Credit hours   45 Contact hours
Presents the theory, history, and skills of simultaneous interpretation and fosters the practical application of these skills.

Prerequisite and/or Corequisite: Successful completion of TRI 101 (grade C or higher).

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: Enrollment in or completion of TRI 101 (grade C or higher).

TRI 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.

Women's Studies

WST 200 Introduction to Women's Studies
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 ENG 060 (grade C or higher) or equivalent assessment score.

Course Note: This is a statewide guaranteed transfer course.

WST 225 Perspectives on Women and Social Change
3 Credit hours   45 Contact hours
Enables students to gain understanding of the role of systems of oppression in society and avenues available to them to create both individual and collective change through social action. Students become aware of their ability to enact change and the empowerment that process provides. Explores issues of diversity, including, but not limited to, race, class, gender, age, and disability. Emphasizes critical thinking skills informed by feminist pedagogy.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

WST 240 Goddesses and Women in the Ancient World
3 Credit hours   45 Contact hours
Surveys gender socialization and the roles, challenges, contributions, and images of women in the development of cultures. Through a study of arts, literature, music, politics, religion, philosophy, laws, and social standards, students are introduced to the history of ideas that have defined women's place in societies. Examines goddesses, rituals, and ceremonies and how the image of the Feminine Divine changed from matriarchal cultures through establishment of patriarchal cultures, including European and non-European, from the ancient World through the Middle ages.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

WST 275 Special Topics in Women's Studies
1-6 Credit hour(s)   15-90 Contact hours
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Successful completion of ENG 060 (grade C or higher) or equivalent assessment score.

Administration 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 need to consult the Schedule of Classes or online at www.CCAurora.edu/programs/schedule/.

President's Office

Linda Bowman — President
B.A., University of South Alabama; M.A. University of New Orleans; M.P.A., Ph.D., University of Colorado

Tami Morrissey — Executive Assistant to the President

Liz VanLandingham — Director, Communications
B.S., University of Colorado; M.F.A., Naropa University

Christopher Ward — Executive Director, Grants and Planning
B.A., Concordia College; M.Div., San Francisco Theological Seminary M.Ed., Ph.D., University of Pittsburgh

Cindy Hesse — Human Resources Director
B.S., Colorado State University

Information Technologies

Denny Bagoporo — Director, Information Technology

Glen Murphy — Computer Systems Administrator

Eduardo Peralta — Integrated Communications Administrator

Kevin Andrews — Computer Systems Technician

Daniel Bapple — Computer Systems Technician

College Communications

Liz VanLandingham — Director, Communications
B.S., University of Colorado; M.F.A., Naropa University

Ethan Ruzzano — Webmaster/Graphic Designer/Social Media Network Coordinator, College Communications
B.A., Principia College

Sarah Grace Pretzer — Public Relations Coordinator
B.A., State University of New York at Potsdam

Charles Hack — Broadcast Specialist
B.A., Trinity University

Administration and Staff

Grants and Planning

Christopher Ward — Executive Director, Grants and Planning
B.A., Concordia College; M.Div., San Francisco Theological Seminary
M.Ed., Ph.D., University of Pittsburgh

Shelley Wood — Director, Strategic Partnerships
B.A., Lewis & Clark College, M. Div., Princeton University

Andrea Flynn — Administrative Assistant

Institutional Research

David Bailey — Director, Institutional Research
B.A., M.S., Rice University; Ph.D., University of Houston

Catherine Trouth — Research Analyst, Institutional Research
M.A., University of Colorado at Boulder

Center for Workforce Development

Diane Postell — Director, Center for Workforce Development
M.S., University of LaVerne

Christy Bernall — Case Manager-CHOICES, Center for Workforce Development
B.A., Metropolitan State College of Denver

Karina Rodriguez — Case Manager-CHOICES, Center for Workforce Development
Yvette Larrea — Case Manager-CHOICES, Center for Workforce Development
B.A., Colorado State University; M.N.M., Regis University

Aldo Parra — Case Manager-CHOICES, Center for Workforce Development
B.A., The Metropolitan State College of Denver

Crystal Deen — TANF Job Transition Specialist, Center for Workforce Development Arapahoe County
B.S., University of Phoenix

Barbara Guion — Program Assistant, Center for Workforce Development
Elvira Hernandez — Assistant Coordinator for Workforce Development
Nathan Crow — Job Transition Specialist

Human Resources

Cindy Hesse — Human Resources Director
B.S., Colorado State University

Dianda Coe — Human Resources Specialist
B.S., Columbia College

Debbie Irvine — Human Resources Specialist
Sharon Connelly — Administrative Assistant

CCA Foundation

Diana Whye	Executive Director, Foundation
	B.S., Regis University
Sylvester Brandon	Associate Development Director for Scholarships
	B.S., Missouri Western State University; M.A., University of Northern Colorado
Josy Ellis	Accounting and Database Manager
Edith Reed	Administrative Assistant

Instruction

Bernice Harris	Vice President of Instruction
	B.A., M.A., University of Wyoming; Ph.D., University of Tulsa
Cynthia Hungerford	Administrative Assistant
Janet Brandau	Associate Dean of Instruction
	B.A., M.A., University of Northern Colorado
Lorraine Evans	Administrative Assistant
	B.A., University of Denver
Traci Fielden	Facilities Scheduler
	A.G.S., Community College of Aurora
JoAnn Burkhart	Director of On-Line Learning
	M.S., M.B.A., Fort Hays State University
Vacant	Instructional Technology Trainer

Humanities, Liberal Arts, Social Sciences Division, Early Childhood Education, Academic Enrichment and CentreTech Campus

Ted Snow	Dean
	B.A., University of Northern Colorado; Ph.D., Colorado State University
Vacant	Chair, Arts and Humanities
Scott Reichel	Chair, English & Communication
	B.S., University of Colorado; M.A., University of Northern Colorado
Geoffrey Hunt	Chair, Social Sciences
	B.A., University of Wyoming; M.A.S., State University of New York College; Ph.D., University of Colorado
Natasha Turner	Chair, Education and Early Childhood Education
	B.A., Fontbonne University; M.S., University of Southern California
Ashley Moorshead	Chair, Academic Enrichment
	B.A., Pitzer College; M.A., California State University - Dominguez Hills
Jesse Kahat	Coordinator, Dance
	B.A., University of Northern Colorado
Richard Italiano	Coordinator, Music
	M.Music, Peabody Conservatory of the Johns Hopkins University
David Spiegel	Coordinator, Philosophy
	B.A. University of California; M.A., Denver Seminary; Second M.A., Denver Seminary

Administration and Staff

Ana Martin-Mejia	Coordinator, Languages
	M.A., Virginia Tech
Stacey D'Angelo	Director, Theatre
	B.F.A., Ithaca College; M.F.A., Naropa University
Cynthia Hungerford	Administrative Assistant, Social Sciences
Vacant	Administrative Assistant, Arts & Humanities
Mary Graham	Administrative Assistant, English & Communication, ESL, Early Childhood Education, Academic Achievement Strategies, Academic Enrichment
Vacant	Instructional Resource Center and Library Services
Kevin Dunbar	Library Assistant
Patti Molai	Academic Support Coordinator
	B.S., Colorado State University; M.A., Webster University

English as a Second Language

Christopher Tombari	Department Chair
	B.A., Texas A&M University; M.A., University of Colorado at Denver
Mary Graham	Administrative Assistant
Gary Brady-Herndon	Technology Trainer, ESL and Educational Technology
	B.A., The Metropolitan State College of Denver

Science, Mathematics, Public Service, Emergency Medical Services (EMS), and Critical Incident Theatre

Martha Jackson-Carter	Interim Dean of Career & Technical Education, Science & Mathematics and Chair, Sciences, Public Service, EMS, and CIT
	B.A., University of Colorado; Graduate Studies, University of Connecticut
Pat Machledt	Administrative Assistant, Astronomy, Biology, Chemistry,
	Geology, Health Professional, Health and Wellness, Physics, and Science
James Gray	Chair, College Level Mathematics
	A.A., Community College of Aurora; B.A., University of Northern Colorado M.A., University of Colorado
Vacant	Administrative Assistant, College Level Mathematics
Todd Bergren	BioTech Coordinator
	B.S., Colorado State University; B.S. Colorado School of Mines M.S., Ph.D., University of Colorado
Tara Croom	Science Lab Technician
	A.S., Community College of Aurora; B.S., Metropolitan State College of Denver

Administration and Staff

Public Service

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Micelle Doucette — Program Assistant, Police Academy

Margaret Ann Uchner — Coordinator, Criminal Justice and Paralegal
J.D., University of Wyoming College of Law

Cindy Smith — Administrative Assistant, Public Service
A.A.S., Community College of Aurora

Stephanie Agner — Administrative Assistant, Public Service

Emergency Medical Services

Patrick Schooler — Chair
EMS Certification, Texas Tech University; B.S., Kaplan University

Jeanette Walters — Equipment Coordinator

Cindy Winn — EMS Clinical Coordinator

Cindy Smith — Administrative Assistant, EMS
A.A.S., Community College of Aurora

Donna Jones — Administrative Assistant, EMS

Critical Incident Theater

Clinton Andersen — Director
B.S., Bellevue University; M.A., American Military University

Pony Anderson — Coordinator, Center for Simulation
NREMT-P, Community College of Aurora

Business & Computers and Lowry Campus

Victor Vialpando — Dean
M.B.A., University of Colorado at Denver

Benjamin Valdez — Chair, Business
M.B.A., M.Ed., American InterContinental University

Tamra Schmitt — Tax Help Site Colorado Coordinator
B.S., University of the Pacific; M.B.A., University of Southern California

Constance Seiden — Coordinator, Computer Information Systems
B.B.A., West Texas State University; M.B.A., City University

Veronica Russell — Administrative Assistant, Business
A.A.S., Community College of Aurora

Colorado Film School

Frederic Lahey — Director, Colorado Film School
B.A., M.F.A., Columbia University

Scott VanOrdstrand — Colorado Film School Technology Manager
B.A., University of Colorado

Veronica Sanchez — Administrative Assistant, Colorado Film School

Administration and Staff

Administration and Staff

Art & New Media Design

Patrick Loehr — Chair, Art and New Media Design
B.A., University of Northern Colorado

Celia Miller — Administrative Assistant, Art and New Media Design

Health Sciences

Nancy Case — Dean
Ph.D., University of Colorado at Boulder

Heidi McKinnon — Administrative Assistant, Health Sciences

Aurora Language Center

Stephanie Lawton — Coordinator of the ESL Program at ALC
B.A., University of Delaware

Diana Brady-Herndon — Assistant Coordinator of the ESL Program at ALC
B.A., Sonoma State University; M.A., University of Colorado Denver

Pamela Cole — The Learning Source

Student Services

Matt Gianneschi — Vice President of Student Services and Enrollment Management
B.A., M.A., University of Denver; Ph.D., University of Arizona

Timothy Wilkerson — College Pathway Coordinator
J.D., University of Southern California; Career and Technical Education Certification

Enrollment Services

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Valerie Sangiuliano — Assistant Registrar
A.A., Community College of Aurora

Denise Oakeley — Registration and Records
A.A., Community College of Aurora

Judy Spitz — Registration and Records
A.A., Community College of Aurora

Karen Hurtado — Applications, Residency and College Opportunity Fund
JoAnne Barnes — Transcript Specialist and Imaging
Cheryl Tomlinson — PSEO and Concurrent Enrollment
Kathy Jackson — Welcome Center
A.A., Community College of San Diego; A.G.S., Community College of Aurora

Rita Borgonah — Call Center Operator
A.G.S, Community College of Aurora

Elizabeth Leon — Call Center Operator
Kelly Gaer — Help Center Member

Advising

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	B.A., Metropolitan State College of Denver; M.S., Regis University
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	A.A., Community College of Aurora
Alysyn Middleton	Academic Advisor
	B.S., Metropolitan State College of Denver
Thomas Dury	Academic/Veterans Advisor
	M.A., Graduate Theological Union
Rebecca Bernstein	Academic Advisor
	M.N.M, Regis University
Eileen Blasius	Academic Advisor
	B.A., M.A., Ph.D., University of Denver
Emelda Jones	Academic/International ESL Advisor
	B.A., M.A., University of Denver
Belinda Marshall	Academic Advisor
	B.S., Metropolitan State College of Denver
Bradley Jacobson	Academic Advisor/First Generation
	M.S., Southern Illinois University-Carbondale
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	A.A.S., Community College of Air Force; BT, Peru State College

Accessibility Services

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Carla Hoskins	Advisor, Accessibility Services
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Sheryl Broadnax	Administrative Assistant

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	M.B.A., UNM, Albuquerque; EMBS, ESC Le Havre, France

Learning Resource Center

Michelle Duran	Administrative Assistant

Student Life

Angela Tiedeman	Director
	B.S.W., Colorado State University
Julie Johnson	Student Activities Coordinator

Administration and Staff

Faculty and Staff

Lowry One-Stop Student Services

Rosalie S. Moncada — Coordinator
B. S., University of Southern Colorado; M.B.A., Western Governors University

Greg Moore — Student Services Generalist
M.S., Kansas State University

Tracy Mendoza — Administrative Assistant
B.S., University of Southern Colorado

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Leigh Bessey — Director
B.A., University of Northern Colorado

Chelsea Chase — Career and Recruitment Specialist
Gabriel Cordova — Recruiter
Diana Counterman — Administrative Assistant
B.A., Metropolitan State College of Denver

Administrative Services

Richard Maestas — Vice President, Administrative Services
B.S., Colorado State University at Pueblo

Fiscal Affairs

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M.B.A., University of Philadelphia

Vacant — Assistant Controller
Kathy Bodemann — Purchasing Agent
A.A., Community College of Aurora

Christina Johnson — Accounts Receivable
B.S., Columbia College

Nick Lozano — Accounts Payable
Rhonda Schuman — Grants and Bank Reconciliation
A.A., Community College of Aurora

Kimberly Suazo — Payroll Accounting Technician
A.A., A.G.S., Community College of Aurora

Dianna Doyle-Edwards — Cashier
Sabrina James — Cashier
A.G.S., Community College of Aurora

Luz Munoz — Account Technician I
Tina Parham — Administrative Assistant

Financial Aid

John Young	Director/Special Programs
	M.A., University of Colorado at Denver
Mason Parmenter	Financial Aid Advisor/Work Studies Coordinator
	B.A., University of Colorado at Denver
Phebe Lassiter	Financial Aid Advisor/Scholarships
	B.S., Metropolitan State College of Denver
Deborah Hoefler	Financial Aid Advisor/Loans
	B.S., Franklin University
Andrew Marah	Financial Aid Advisor/Appeals
	A.A.S., Arapahoe Community College; B.A., The Art Institute of Colorado
Allison Cepello	Financial Aid Counselor
	B.A., University of California at Santa Cruz;
Judy Steele	Administrative Assistant

Facilities

James Marshall	Director
	C.F.M., International Facilities Management Association
Tom Morrissey	Structural Trades
Chris Hunt	Mail & Receiving Services
Mike Davis	Electrical Trades
Gilberto Colmenero	Pipe & Mechanical Trades
Jamme Gonzales	Pipe & Mechanical Trades
Billy Downing	CentreTech Housekeeping Supervisor
Hortencia Barnes	CentreTech Custodian
Hoanh Nguyen	CentreTech Custodian
Quang Ngo	CentreTech Custodian
Trai Bao	CentreTech Custodian
Rudy Herrera	CentreTech Grounds Supervisor
Dien Le	CentreTech Groundskeeper
Hildon Jones	Lowry Housekeeping Supervisor
Askale Haile	Lowry Custodian
Tsrity Gebru	Lowry Custodian
Amada Duron	Lowry Custodian

Campus Security and Safety

Steve Marshall	Interim Director of Security
Tom Wolf	Security Director – Lowry
Scott Hostetter	Director of CentreTech Campus Security
Haddis Bekele	CentreTech Security Officer
	A.A., Community College of Aurora
Katie Schuman	CentreTech Security Officer
	A.A., Community College of Aurora

Faculty and Staff

Faculty and Staff

Regular Faculty

Susan Achziger, English
B.S., Brigham Young University; M.Ed., Utah State University

Karla Adamson-Lesko, Computer Information Systems
B.S., M.Ed., University of Central Oklahoma

Clinton Andersen, Critical Incident Theatre
B.S., Bellevue University; M.A., American Military Unviersity

Victor Andersen, Astronomy
B.S., M.S., New Mexico Institute of Mining and Technology; Ph.D., University of Alabama

Patricia Anderson, Mathematics
B.S., M.S., Northern Arizona University

Rachel Ankney, Academic Enrichment
B.A., M.F.A., Old Dominion University

Todd Bergren, Biology
B.S., Colorado State University; B.S., Colorado School of Mines; M.S., Ph.D., University of Colorado

Richard Bogdanovich, Mathematics
B.S., Illinois Institute of Technology; M.B.A., M.P.A., University of Denver

Galina Boulgakova, Film Video Media
B.A., M.F.A., Moscow Art Theatre; V.I. Nemirovich-Danchenko Studio-School of the Moscow Art Theater

Michael Carter, Criminal Justice
B.S., M.S., Chaminade University of Honolulu

Geoffrey Chadwick, Film Video Media
M.F.A., University of Southern California; Career and Technical Education Certification

Kelly Cowan, EMS
Certified Emergency Medical Technician Paramedic, A.A.S., Community College of Aurora

Jennifer Dale, Psychology
B.S., Colorado State University; M.A., Regis University

Thomas Dillon, Biology
B.S., University of Notre Dame; M.S., Loyola University of Chicago

Brandon Feres, Academic Enrichment
B.A., M.A., State University of New York at Stony Brook

Meredith Folley, English as a Second Language
B.A., University of Michigan; M.A., University of Idaho

Alice Gilbert, Academic Enrichment
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