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COMMUNITY COLLEGE OF DENVER

Community College of Denver is student-centered and dedicated to providing an exceptional education. Our diverse community of motivated learners applaud our small-class sizes and flexible schedules, award-winning professors, extensive advisory and support services, world-class facilities, easy access via RTD light rail, and affordable tuition.

This catalog, like other online tools, is designed to give CCD students the best possible guide to find the right courses to complete their educational goals.

Student success is our highest priority. Our faculty and staff at CCD are dedicated to you throughout your career at CCD—from getting enrolled and finding financial aid, to academic advising through graduation.

Catalog Contents
- Welcome
- Enrollment & Student Services
    - Financial Information
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- Programs & Courses
- Rights & Legal Notices

CCD CATALOG 2024-2025

About This Section

The information in this section will provide you with basic information about CCD, the academic calendar and other helpful information about the College.

Start Here

- How This Catalog Can Help You Succeed
- Academic Calendar
- About CCD
- Publishing Information

HOW THIS CATALOG CAN HELP YOU SUCCEED

Valuable Tools
- How to apply | CCD.edu/Admission
- How to register | CCD.edu/Register
- How to get help from Academic Advising | CCD.edu/Advising
- Where to get help and student resources| CCD.edu/StudentLife
- Which programs we offer | catalog.ccd.edu/programs-courses/list-academic-programs/
- Which courses we offer | catalog.ccd.edu/programs-courses/courses/
- What your classes cost and how to pay them | CCD.edu/Tuition
- How to apply for financial aid | mycollegepaymentplan.com/CCD
- The rules to follow (Code of Conduct) | CCD.edu/StudentCode

Helpful to Know
Each course listed in the catalog may not be offered every semester. 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, consult the current online class schedule in Navigate.

Where to Find Catalog Updates
This catalog is true and accurate at the time of publication. Additions and changes may occur because of changes in state, system or college regulations or accreditation requirements. Updates, changes and addenda to this catalog can be found at CCD.edu/Updated-Course-Schedule.

Note: nothing in the catalog or student handbook is intended to create (nor shall be construed as creating) an expressed or implied contract. CCD reserves the right to modify, change, delete, or add to, as it deems appropriate, the policies, procedures and other general information in the catalog, admissions and registration guide, or student handbook.

ACADEMIC CALENDAR

Extended Academic Calendar | CCD.edu/Academic-Calendar

Events Calendar | CCD.edu/Calendar

ABOUT CCD

Learn more about CCD's rich history at CCD.edu/CCDHistory, as well as our mission and principles at CCD.edu/Mission.

The college does not discriminate on the basis of sex/gender, race, color, age, creed, national or ethnic origin, physical or mental disability, veteran status, pregnancy status, religion, or sexual orientation in its employment practices and educational programs and activities. Learn about our diversity: https://www.ccd.edu/employees/departments/institutional-research-planning/enrollment-statistics

Gainful Employment

CCD's Career and Technical Education Programs Report Gainful Employment Data
CCD.edu/GainfulEmployment

Learn more with information on occupations, rates for completion and placement, program costs and median loan debt.

Transfer Guarantees

To help you transfer course credits, Colorado has developed a statewide GT Pathways (guaranteed transfer pathways) program. Courses that are part of this program are identified in the catalog with the words, "This course is one of the Statewide Guaranteed Transfer courses." CCD also has many articulation agreements which also guarantee your ability to transfer your degree to another college. The colleges which accept those degrees are listed on the program page on our website. Community College of Denver follows established programs and agreements in order to guarantee the transfer of credits.

Learn more about our transfer options.

Campus Information

Auraria Campus
Auraria Campus, CCD's main location, is in the heart of Denver and within walking distance to downtown, Larimer Square, the 16th Street Mall, LoDo, the Denver Pavilions, Colorado Convention Center, and the Denver Center for the Performing Arts Complex. The Auraria Campus is also just minutes away from each of the following: Empower Field at Mile High, home of the Denver Broncos, Coors Field, home of the Colorado Rockies, the Downtown Aquarium, and Ball Arena, which is home to NHL's Colorado Avalanche, NBA's Denver Nuggets, and NLL's Colorado Mammoth, as well as a hub for concerts and other events throughout the year.

The Auraria Campus is also home to two four-year universities — Metropolitan State University of Denver and University of Colorado Denver. This unique partnership creates a one-of-a-kind campus experience, allowing CCD students to participate in amazing extracurricular activities and access a university-caliber library, student union and more.

Additional Locations
Advanced Manufacturing Center

CCD's Advanced Manufacturing Center is a 33,000-square-foot facility located seven minutes north of the main campus. The facility supports a fabrication welding, quality assurance, and machine technologies lab.

Center for Health Sciences at Lowry

CCD's Health Science educational programs are located at our Lowry facility, which borders Aurora and Denver. The Lowry location includes CCD's dental hygiene program, which houses a community dental clinic as well as the veterinary technology program, which also has a clinic that serves the public.

CEC Early College

CCD has an additional location within the CEC Early College, a high school within the Denver Public Schools district. Students at the high school can earn dual high school and college credit for CCD classes they take through concurrent enrollment.

Abraham Lincoln High School

CCD has an additional location with Abraham Lincoln, a DPS high school, to serve our PTech students. Students at the high school can earn college credit up to their associate in business administration.

PUBLISHING INFORMATION

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2024-2025
CCD.edu

This catalog is effective summer semester 2024 through spring semester 2025. CCD reserves the right to change provisions, requirements and fees that are listed in this catalog. Without notice, CCD may cancel any course or program or change its content, description, timing, availability, location, academic credit or any other aspect. Nothing in this catalog is intended to create (nor shall be construed as creating) an expressed or implied contract. The College reserves the right to modify, change, delete, or add to, as it deems appropriate, the policies, procedures, and other general information in this catalog.

ENROLLMENT & STUDENT SERVICES

About This Section

The information in this section guides you through the entire enrollment process, including the steps to a successful enrollment, resources for new students as well as other important information on getting academic advising and registering for classes.

Start Here

- Getting Started- How to apply for admission
- Financial Information- What your classes cost
- Academic Information
- Student Support Services
- Helpful Contact Information- Where to get help

GETTING STARTED

About This Section

Use this section as a guide while applying to CCDConnect with your onboarding Navigator or academic advisor, registering for classes and much more.

Questions? The Welcome Center on the first floor of the Confluence Building is designed specifically with you in mind, stop by and get help in any of these areas.

Start Here
- Admission Guidelines
- Steps to Successful Enrollment
- International Student Admission
- Academic Advising
- CCDConnect
- Registering for Classes
- Transferring Credit to CCD
- Tuition Classification (Residency)

Admission Information

Admission Policy

CCD has an open-access admission policy and accepts applicants 17 years of age or older. Admission to the college does not guarantee enrollment into a particular course or program. An admission application will remain active for two subsequent semesters after the term indicated on the application. CCD reserves the right to deny admission or continued enrollment to anyone who has misrepresented their credentials or background.

Application for Admission

CCD.edu/Admission

Prior to enrolling at the College, you must complete an application for admission online. Acceptance letters are sent by email or mobile message. .

Re-Admission (Former Students)

Former students who return after an absence of three consecutive semesters or more must reapply for admission. Re-admitted students will be subject to the requirements of the current catalog.

Selective Application Procedures

Select programs have a separate application process due to limited space and prerequisites designed to facilitate successful completion. You need to review the program requirements in this catalog and contact the appropriate academic advisor for assistance with selective application procedures.

Student Identification Number

A state law, initiated in 2003, requires that each Colorado post-secondary institution assign you a unique ID number that cannot be your social security number. This number is the student identification number (SID), which is assigned when you apply to the College. A social security number is required for financial aid, the College Opportunity Fund, VA benefits, and records integrity and tax purposes.

Underage Admission

Secure a waiver if you are under the age of 17 and meet the following criteria:

- You and a parent must meet with the Associate Dean of Student Success to determine eligibility for admission and appropriateness of course selection, to review college expectations, and to complete the acknowledgment form.
- You must demonstrate readiness for college-level work.
- If you are not in the College Pathways concurrent enrollment program, you must meet with the Associate Dean of the Academic Advising and Student Success Center to determine the appropriate class(es) and get the underage waiver request form.

- Your parent or guardian must sign the acknowledgment form, indicating that your parent has been advised regarding expectations of the college.

You will receive the final request decision from the Associate Dean of the Academic Advising and Student Success Center.

Denial of Admission

The College may deny admission to anyone whose background indicates that their presence would interfere with the function of the college or would endanger the health, safety, welfare or property of others. CCD has the right to deny admission or continued enrollment to anyone who has misrepresented their credentials or background.

Privacy

In applying to the College, you must act on your own behalf. Others may not access your student information without your prior written approval (see Family Education Rights and Privacy Act).

Immunization

Metropolitan State University of Denver Health Center | MSUDenver.edu/HealthCenter

You must provide documented proof of immunization against Measles, Mumps and Rubella (MMR) to the Health Center at Auraria. For more information, please call.303.615.9997

If you do not comply with the immunization requirement, you will receive a registration hold. The hold will not be released until you comply with the immunization requirement.

Steps to Successful Enrollment

Step 1. Apply for Admission

Get started by filling out a free online application at CCD.edu/Apply. Applying is free and students at least 17 years of age will be automatically accepted. CCD will send an acceptance letter via email with the Student ID number and instructions to log into the CCDConnect student portal.

Step 2. Apply for Financial Aid & Scholarships

Fill out the Free Application for Federal Student Aid (FAFSA). This is the application for all federal and state aid, including grants, loans and work-study. CCD's school code is 009542. The priority deadline for the FAFSA and CCD scholarships is April 16. For assistance, contact the Educational Opportunity Center at CCD.edu/EOC.

Find assistance applying for aid at CCD.edu/FinAid and applying for scholarships at CCD.edu/Scholarships.

Undocumented students may complete the Colorado Application for State Financial Aid (CASFA). Students who qualify for ASSET tuition classification may use the CASFA to apply for state financial aid (including Colorado Student Grant and Work-Study (if DACA).

Step 3. Pick the Best Math & English Class For You

You have several options to determine your placement in English and/or math courses. CCD provides several options to determine which classes are best for you, detailed at CCD.edu/CollegeReady.

Step 4: Complete Success Onboarding And Resources (SOAR) Session

Your SOAR session covers a lot of important information you need as you begin your adventure as a CityHawk. Topics include choosing a pathway, the right classes, resources, financial aid and scholarships, getting involved, and more.

To access your SOAR session, please log into CCDConnect. Once you are logged in, click on Success Onboarding And Resources.

STEP 4a Meet with an Advisor

Academic advisors will help you learn to pick the right classes, understand program requirements and teach you how to register for classes according to

your chosen program pathway. For details about academic advisors and how to make appointments, visit CCD.edu/Advising.

STEP 4b Register for Classes

As a new student, you will register for classes using NAVIGATE Student Success Platform, which can be accessed through CCDConnect student portal.

Academic Advising

Academic Advising & Student Success Center

CCD.edu/Advising | 303.556.2481 | Confluence Building, Room 123 and Cherry Creek, Room 141.

CCD's academic advisors are important components of your success team.

The relationship that you have with your assigned academic advisor is important. This is to ensure that you choose the right major or program for your educational and career goals and to reach the goal of graduation and/ or transfer. New/transfer students are assigned an advisor based on your declared program or major within two weeks after each semester begins.

Go to CCD.edu/Advising to learn more about the advising pathways, success programs, degrees and certificates.

Declaring or Changing Your Program of Study

You should declare your program of study when completing the application for admission. You declare a program of study when first enrolling and should verify the program online via CCDConnect each semester. New students should consult this catalog or an academic advisor to determine available programs of study.

You may request to change your program of study with the Office of Registration and Records and/or may need to see your academic advisor for select programs and approvals. Meet with your academic advisor to discuss program requirements before changing your program of study.

You should consult with Financial Aid and Scholarships, International Student Service, and Veteran and Support Services before changing your program of study as it may impact your eligibility.

CCDConnect

CCDConnect: Online Student Portal

You are expected to utilize CCDConnect to:

- Access student email.
- Access Navigate for academic planning, class registration, and more.
- Pay tuition.
- Obtain financial aid information.
- View grades and unofficial transcripts.
- Review degree progression via Degree Works.
- Order official transcripts.
- Obtain official enrollment verification.
- Check residency status.
- Authorize COF.

Registering for Classes

You are encouraged to meet with your assigned academic advisor to ensure appropriate course placement and degree progress before registering for classes through Navigate. Registration instructions and deadlines are published each semester in various college publications. It is your responsibility to stay informed of all deadlines and policies.

Learning Options

To meet the diverse needs of our students, CCD offers a variety of classroom formats.

Face-to-Face Courses

CCD offers face-to-face courses in which you are required to attend class on specific days and times. Instruction may include lectures, small group discussions, labs, field trips, studio art or other in-person delivery methods. These courses may also include online exercises.

Hybrid Courses

Hybrid classes are online classes with a face-to-face component. They range from 30-70 percent online but have regularly scheduled face-to-face meeting times. Please be sure to read your schedule carefully to understand when your class meets.

Online Courses
CCD Online Courses
CCD.edu/CCDOnline

These courses are developed and taught by CCD faculty using the same standards as our face-to-face classes. You generally have to go online four or five days a week to complete the work, but you can do that when it works for your schedule. You will be expected to do the same amount of work as in a traditional classroom.

Colorado Online @ CCD & CCCOnline Courses

In addition to the online courses CCD offers, you can also take online courses taught by Colorado Community College Online instructors. These are not CCD instructors but are instructors with Colorado Online @ CCD and CCCOnline who teach online courses for all 13 community colleges across the state. You will be able to apply these courses to your program here at CCD. To learn more about whether Colorado Online @ CCD or CCCOnline courses are right for you, contact the chair of your department or your academic advisor.

Evening & Weekend Courses

Evening and weekend courses are face-to-face and require attendance on specific days and times. Many evening and weekend courses may start late or may be accelerated.

Flex-Start Courses

Flex-start courses start later in the semester as indicated in the CCD schedule. Credit earned through flex-start courses is identical to credit earned through any other CCD course. Class duration, start dates and end dates vary; you should check the course schedule for complete details.

Accelerated Courses

Accelerated courses offer fast-paced, intensive learning options for motivated students and are ideal for those who can work independently. Check class requirements and class dates, as some accelerated courses are also late-start courses.

Experiential Learning

Experiential learning is an educational learning activity that provides you with personal experience in the field of your chosen career rather than learning from lectures, books and other second-hand sources. Experiential learning includes cooperative education, internships, clinicals and apprenticeships. For more information, contact your academic advisor.

Inter-Institutional Courses

CCD and neighboring institutions, Metropolitan State University of Denver (MSU Denver) and University of Colorado Denver (CU Denver), have an inter-institutional agreement that allows you to take select courses at MSU Denver or CU Denver if space is available. The tuition will be paid at CCD, excluding any fees that may be required. MSU Denver and CU Denver students can also take select courses at CCD if space is available. CCD and Colorado School of Mines also have an inter-institutional agreement. For instructions on how to register for inter-institutional courses, please refer to Inter- Institutional Registration.

Helpful Information
Add/Drop Classes

It is your responsibility to add or drop classes by the published deadline.

- You may add classes until the last day to register according to published deadlines.
- You may drop classes for a full refund by the published census date for each class.

Dates are published each semester at CCD.edu/Academic-Calendar. Census dates vary, so it is important to know if a class is a traditional 15-

week class (fall and spring term) or a traditional 10-week class (summer term); all other census dates are specified in your student schedule. Census dates can be verified with the Office of Registration and Records.

If you do not attend by census date, you may be dropped for non-attendance, which may include any required corequisite course regardless of attendance in that course. Any student dropped after the last day to register will not be permitted back into the course.

Classes dropped before the census date will not appear on an official transcript. After the census date, you have the option to withdraw without a refund until the published last date to withdraw.

Check with the Financial Aid and Scholarships prior to dropping or withdrawing from any classes as this could affect your financial aid award and you may have to repay awards. Veterans should consult the VA Certifying Official prior to dropping a class, as it may impact your educational benefits.

Auditing Classes
By auditing a class, you may participate in class activities but you will not receive a formal transcript grade. You must indicate intent to audit a class at registration or by the census deadline listed on your student schedule. You must pay for the class in full before an audit request will be processed. Once the audit has been approved, the class cannot be changed to a credited class.

Audited classes are not eligible for the College Opportunity Fund stipend. You will be responsible for the full in-state or out-of-state tuition. Audited classes do not meet the credit-hour requirements for financial aid or veteran benefits and may not be applied to certificate or degree requirements. Class credits for which an AU (Audit) grade is earned will not count in attempted hours and earned hours. No quality points will be assigned and there will be no impact on either the term or cumulative GPA.

Developmental Students
Metropolitan State University of Denver
CCD's developmental education is available to Metropolitan State University of Denver (MSU Denver) students who require basic skills remediation. MSU Denver students must register for CCD courses at their home institution and adhere to MSU Denver's registration procedures and deadlines. Final grades will appear on both CCD and MSU Denver transcripts. If a student should transfer from MSU Denver to CCD, these courses will be included in the student's Satisfactory Academic Progress (SAP) calculation for financial aid at CCD.

University of Colorado Denver
CCD offers Algebraic Literacy to University of Colorado Denver (CU Denver) students who require remediation in mathematics. CU Denver students must register for Alegbraic Literacy at their home institution and must adhere to registration procedures and deadlines set by CU Denver. Final grades will appear on both CCD and CU Denver transcripts. If a student should transfer from CU Denver to CCD, these courses will be included in the student's Satisfactory Academic Progress (SAP) calculation for financial aid at CCD.

Prerequisite Requirements
Prerequisites exist to help you be successful in your classes. They indicate knowledge you must have gained from a different class, or knowledge you can demonstrate on an exam, before you can enroll. Successful completion of the prerequisite is required prior to enrolling in the course, (a grade of A, B, or C). It is your obligation to know and meet course prerequisites as stated in the course description section of the CCD Catalog. Prerequisites will be checked at registration and you may be dropped if prerequisites are not met.

If the prerequisite requirements are for college composition, math, or English-as-a-second-language courses, the Testing Center enters the basic skills test exemption on your student record to allow registration. This is required in order for the College to be in compliance with the Colorado Commission on Higher Education Statewide Remedial Education Policy, Section I, Part E.

If the prerequisite requirement is not for college composition or math, you may request that the College also review previous transcripts from a regionally accredited college or university to approve and enter a

prerequisite waiver. All requests for prerequisite waivers must be submitted to the Office of Registration and Records or the Testing Center. Refer to the College online schedule or program requirements for specific requirements.

Biology Prerequisite Requirement
If you are intending to enroll in BIO 2104, you are required to complete BIO 1111 or BIO 2101 with a grade of C or better or pass the Biology Placement Test. Transfer students who have taken an equivalent college biology class should submit previous transcripts from a regionally accredited college or university to the Testing Center for approval of the prerequisite requirement. When submitting to the Testing Center, you must indicate that you would like a biology prerequisite override so that your assigned academic advisor and/or an academic advisor in the STEM advising pathway can be notified. Although the College can transfer in a BIO 1111 course that is up to 10-years old for prerequisite waivers, some Center for Health Sciences programs require that BIO 1111 must be completed no more than seven years prior to enrollment in BIO 2104.

Maximum Course Load
Eighteen (18) credit hours is the maximum course load for all students. You cannot register for more than 18 credits in any given semester without review and approval by the senior advisor for the advising pathway that contains your program or major. You should first connect with your assigned academic advisor to initiate this process.

Waitlist
You may place your name on a waitlist when a course is at maximum capacity and closed for registration. CCD honors the order of the waitlist and extends enrollment availability to you via a notification email sent to your CCD student email account in the order in which you appear on the list. It is your responsibility to register for the class via Navigate prior to the deadline indicated in the notification email. No exceptions will be allowed if you miss a notification. You may have less than 24 hours to register if the deadline allowed overlaps the last day to register. Payment must be made in accordance with the payment policy. Faculty must honor the waitlist if there are openings in the class and cannot sign any students into a closed course.

Withdrawals
Withdrawing from a class after census date will result in a grade of W. Withdrawal dates vary, so it is important to know if a class is a traditional 15-week class (fall and spring term) or a traditional 10-week class (summer term); all withdrawal dates are specified in the course schedule. Withdrawal dates can also be verified with an academic advisor or with the Office of Registration and Records. No academic credit is awarded for a withdrawal. A withdrawn course will count in attempted credits.

Check with Financial Aid and Scholarships prior to dropping or withdrawing from any classes as this could affect your financial aid award and you may have to repay awards. Veterans should consult with the VA Certifying Official prior to withdrawing from a course, as it may impact their educational benefits.

Inter-Institutional Registration
About the Auraria Campus Inter-Institutional Program
CCD.edu/InterInstitutional

Under the inter-institutional registration program, CCD and its partners on the Auraria Campus, Metropolitan State University of Denver (MSU Denver) and University of Colorado Denver (CU Denver), allow you to take select college-level courses at a host institution if space is available. You have the advantage of paying a lower tuition rate for courses offered by the host institution, while MSU Denver and CU Denver students have access to a diverse selection of electives and courses that may not be available at their home institutions.

Online, off-campus, wait-listed or extended campus classes are not covered under this agreement.

CCD Students
CCD certificate- or degree-seeking students who want to take classes at MSU Denver or CU Denver must submit both the Inter-Institutional Application and Registration forms for registration purposes, which may also be obtained at the Office of Registration and Records. You must adhere to the procedures and deadlines established by the home and host institutions. You are required to meet MSU Denver or CU Denver course

prerequisites prior to registration and may not register for more credits at the host institution than what you are registered for at CCD. You may be subject to additional course fees at the host institutions and are responsible for paying these fees directly to MSU Denver or CU Denver.

In order to ensure that an inter-institutional course will transfer to CCD and apply towards your certificate or degree program, you must meet with your assigned academic advisor prior to registering for an inter-institutional course. Inter-institutional course registration does not alter certificate and degree requirements. You may be required to submit a Course Substitution form and an official transcript from the host institution in order to have inter-institutional courses apply to their program requirements for graduation.

MSU Denver & CU Denver Students
MSU Denver and CU Denver students are permitted to take classes at CCD through the inter-institutional registration process after obtaining an inter-institutional form from their home institutions. Forms must be completed with required approvals and signatures from the home institution prior to submission at CCD. Students must submit an online application for admission at CCD and must adhere to procedures and deadlines established by their home and host institutions. This includes meeting the required course prerequisites at CCD prior to registration. Students are not permitted to register for more credits at CCD than what they are registered for at their home institutions. Students may be subject to additional course fees and must pay them directly to CCD.

Transferring Credit to CCD

CCD.edu/TransferIn | 303.556.2420 | Confluence Building, Room 114

Guidelines
CCD adheres to the following guidelines and policies for the evaluation of transfer credit:

- CCD will also accept secure, certified electronic transcripts for credit evaluation. Order your official transcript(s) and send to Transcripts@ccd.edu (transcripts@ccd.edu). This method is only for colleges that use any of the of the following methods for sending transcripts: Parchment, E-Transcripts, Credentials Solutions, Inc., National Student Clearinghouse. Transcripts emailed directly from the student are not considered official.

- CCD will accept transfer credit from post-secondary institutions accredited by one of the seven regional accrediting associations. Credits earned at nationally accredited or unaccredited institutions may be considered for transfer and will be evaluated on a course-by-course basis.

- CCCS has established a common course numbering system and guaranteed transfer agreement (GT Pathways) among Colorado state colleges and universities. The GT Pathways agreement guarantees the transfer of certain general studies courses. Colleges and universities outside of Colorado are not considered part of the guaranteed transfer agreement or the common course numbering system. The common course numbering system and GT Pathways can be reviewed at www.CCCS.edu.

- CCD will perform a transfer credit evaluation only after you have been admitted to CCD, declare a program of study, and submit official transcripts from your prior school(s). You are responsible for requesting official transcripts from prior school(s).

- Official transcripts from prior schools should be sent directly to the Office of Registration and Records, Campus Box 201, P.O. Box 173363, Denver, CO 80217-3363. For transcripts to be considered official, they must be sent directly from the other college or delivered in the original sealed envelope and marked "official."

- All received and/or evaluated transcripts become the property of CCD. You must obtain your own copy of transcripts for testing and/or advising purposes.

- Transcripts are evaluated on a course-by-course basis. To be considered for transfer, courses must be offered at CCD or determined as equivalent to CCD courses. College-level classes that are not equivalent to CCD courses may transfer in as electives. You must meet with an academic advisor to determine if, and how, the accepted transfer credit will apply to your intended program.

- Only those courses that apply to the selected degree or certificate program will be transferred to CCD. Additional courses may be transferred in if they satisfy course prerequisites or if they are similar to required courses.

- Courses must have a grade of C or better to be considered for transfer.

- Courses with a "pass" or "satisfactory" grade will only transfer if the official transcript or college catalog documents that a "pass" or "satisfactory" grade is equivalent to a grade of C or better.

- Credit for remedial, developmental, preparatory or non-college-level coursework is not transferable to CCD.

- Graduate- and/or doctoral-level coursework will not automatically transfer to CCD. These credits must receive approval from the instructional dean or program chair.

- Coursework older than 10 years will not automatically transfer into CCD. These will be reviewed on a case-by-case basis to ensure that the course is not obsolete and that the course content is equivalent to current offerings. You are required to provide syllabi or course descriptions for applicable courses completed more than 10 years ago. Some individual programs have set time limits on certain prerequisite courses and transfer credits. For additional details, refer to the Time Limits section.

- All credit is evaluated on the semester-hour basis. Credits from institutions that operate on a quarter-system calendar are transferred by multiplying the quarter hours earned by two-thirds.

- Transfer credit evaluations will only be assessed in person. The College will not provide any official evaluation via phone, email or fax.

Transfer of Credits from Area Vocational Technical Schools
Students who complete the technical coursework contained in a state-approved career and technical education certificate program at one of the three Area Vocational Technical Colleges (AVTC) can take additional academic credit hours at CCD and earn an Associate of Applied Science (A.A.S.) degree in applied technology. The three AVTC are Emily Griffith Technical College, Pickens Technical College and Delta-Montrose Area Technical College.

Credits for a certificate completed at the AVTS are transferable for an A.A.S. in applied technology. In addition, some individual courses may be approved for transfer on a course-by-course basis and applied to selected degrees. Refer questions about the transfer of individual courses to the appropriate academic advisor.

Transfer of International Credits
- Students who have attended international institutions and want their transfer credits evaluated must first have the international transcripts translated and evaluated by a recognized member of the National Association of Credential Evaluation Services (NACES) and have an official copy of their course-by-course credit evaluation report sent directly to CCD. Any translations or evaluations completed by companies that are not members of NACES will not be accepted by CCD for transfer credit review purposes.

- A complete list of approved NACES members can be found at www.NACES.org.

- CCD will perform a transfer credit evaluation only after the student has been admitted to CCD, declared a program of study, and submitted an official copy of their NACES course-by-course credit evaluation report.

- Students may also be required to provide English-translated course descriptions for courses that they wish to have transferred.

Time Limits
Time Limits on Transfer Credits
Health Sciences
Science prerequisites for the dental hygiene, medical office technology, and veterinary technology programs must be no older than seven years.

Business Technology
It is recommended that courses applied to business technology degrees and certificates be no more than five years old.

Early Childhood Education
It is recommended that courses applied to early childhood education programs be no more than seven years old.

Computer Information Systems/Information Technology
To ensure student success, it is strongly recommended that courses applied to the computer information systems or the information technology programs comply with the following time limits:

- Application courses – 5 years
- Programming courses – 5 years
- Networking/hardware courses – 5 years
- Certification courses – 3 years
- General education courses – 10 years
- Business courses – 10 years

NOTE: If you have current industry experience, the time limit recommendations for applicable courses may be waived. See the appropriate program chair.

College Readiness & Placement
Demonstrate College Readiness
CCD.edu/Testing | Confluence Building, 2nd Floor

CCD offers several options for you to demonstrate you are ready for college, such as

- ACT, SAT and placement test scores,
- prior college coursework,
- high school coursework and GPA,
- high school equivalency diploma, or
- an English survey.

For the most updated and detailed information on college readiness, please visit CCD.edu/CollegeReady.

Credit for Prior Learning Exams
CCD's Testing Center offers the College-Level Examination Program (CLEP) tests and DANTES Subject Standardized Tests (DSST). Both nationally recognized tests allow you to receive college credit for learning acquired outside the traditional college classroom. Also, see Prior Learning Assessment Credit.

Get Credit for What You Already Know
CCD.edu/MomentumCredit

You may earn credit for college-equivalent education acquired through prior schooling, work or other life experiences. Such prior learning must be comparable to CCD courses or curricula and must relate to your educational objectives. Prior Learning Assessment Credit may be earned through standardized tests, challenge exams, published guides or portfolio assessment. For more information, please visit CCD.edu/MomentumCredit.

Tuition Classification (Residency)

Colorado Classification
Tuition classification is governed by state law (Title 23, Article 7, of the Colorado Revised Statutes of 1973, as amended) and by judicial decisions that apply to all public institutions of higher education in Colorado and is subject to change at any time. CCD is required to apply the rules set forth in the law and does not have the authority to make exceptions unless specifically permitted by law.

In-state status requires that you live in Colorado for **one year prior to the first day of class**. Domicile is defined as an individual's true, fixed and permanent home and place of habitation. You may only have one domicile at any one time.

At the beginning of the one-year period, you are expected to take appropriate actions to demonstrate your intent to remain in Colorado permanently. This includes, but is not limited to:

- surrendering legal ties with your former state of residence,
- obtaining Colorado Driver's License/Identification within the statutory period,
- registering motor vehicle within the statutory period,
- registering to vote in Colorado,
- obtaining permanent employment in Colorado,
- filing income tax in Colorado,
- any other factors that document your intent to establish a permanent home in Colorado.

You are qualified to begin the one-year domicile period upon reaching 22 years of age, and thus would satisfy the one-year domicile requirement at 23 years of age. The one-year domicile period also begins upon marriage or emancipation if you are under 22 years of age. Individuals under the age of 23 are eligible for in-state tuition if a parent or court-appointed legal guardian meets the requirements of the tuition law.

Eligible non-U.S. citizens may be requested to provide immigration documents, which may include but are not limited to, I-94 Arrival-Departure Record, Permanent Residency Card, or other required documents.

Initial Classification
You are classified as resident or non-resident for tuition purposes based on the information provided on the application for admission to CCD. Failure to answer all questions could lead to initial classification as a non-resident. After your status is determined, it remains unchanged in the absence of satisfactory evidence to the contrary. The burden of proof is on the individual seeking in-state tuition. Visit www.ccd.edu/residency for more information.

Change in Tuition Classification
New students and continuing students who believe that their initial tuition classification was based on incomplete information and wish to prove eligibility must submit the Correction for Initial Tuition Classification Form. Students emancipated prior to 22 years of age, shall have up to 30 days from the first day of class to complete the Petition for In-State Tuition form and Emancipation Form.

Information submitted to qualify for in-state tuition is subject to independent verification and will not be returned to students. Individuals submitting false information or falsified supporting documents are subject to college disciplinary proceedings and may face criminal charges.

Appeal Procedure
You will not be allowed to drop courses after the census date if you are denied in-state tuition. You are responsible for dropping all courses by census date, even if a decision on your tuition classification has not yet been received. However, you may appeal the decision when denied in-state tuition. The Tuition Classification Appeal form must be received before the last day of the semester for which in-state tuition classification is sought. The decision of the appeals committee is final and will not be overturned by the Colorado Department of Higher Education (CDHE).

CCD reserves the right to correct tuition classification after the deadline in cases where the college believes an error was made.

Tuition Classification for Reverse Transfer Degrees
CCD will use the last known residency as listed in CCD's student information system when awarding a reverse transfer degree to a non-active student. This will not impact tuition classification as the student will have a registration hold placed for the term in which the degree is being awarded. Students will be made inactive for any future terms and must reapply for admission if they seek re-enrollment at CCD.

Colorado ASSET Bill
Senate Bill 13-033, also known as Colorado ASSET, allows U.S. citizens, permanent residents and students without lawful immigration status to receive in-state tuition through attendance and graduation from a Colorado high school or through attendance at a Colorado high school combined with obtaining a GED.

In 2022, the General Assembly passed HB22-1155, In-state Tuition For Colorado High School Graduates, which updates the eligibility criteria for

GETTING STARTED

Colorado ASSET students to receive in-state tuition and state financial aid at Colorado postsecondary education institutions.

To qualify for in-state tuition under ASSET, you must:

- Have attended a Colorado high school for at least one year before graduation or was physically present in Colorado for at least one year immediately preceding the date the student completed a high school equivalency examination in Colorado; and

- Have been physically present in Colorado for at least 12 consecutive months before enrolling in an institution.

- Apply for COF if you are a student without lawful immigration status. You must also complete an affidavit stating that you have applied for lawful presence or will apply as soon as you are eligible to do so.

As with the traditional domicile path, residency classification will be determined based on the information and documents submitted by you. The burden of proof is on the individual seeking in-state tuition. Visit www.ccd.edu/residency for more information.

Western Undergraduate Exchange (WUE)

If you are a resident of one of the Western Interstate Commission for Higher Education (WICHE) states, you may be eligible to request a reduced tuition rate. WICHE states include Alaska, Arizona, California, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming. Students applying for the WUE program must provide evidence of domicile in one of the qualifying states and will be required to reapply for WUE each academic year.

To qualify for the WUE reduced tuition program, you must:
- The WUE application form must be submitted to Office of Registration and Records by the earliest drop (census) date for your courses. Visit CCD.edu/StudentForms.
- Students 22-years-old and younger will need to submit at least two intent items from the parent that date back one year prior to the start of classes to document the parent is a resident of one of the qualifying states.
- Students 23-years-old and older will need to submit at least two intent items that date back one year prior to the start of class with the WUE application to document the student is a resident of one of the qualifying states.
- Students are not permitted to apply time spent in the WUE program toward satisfaction of Colorado residency requirements for tuition purposes.
- Online courses are not eligible for the WUE tuition rate.

Military/Special Residency Requirement Waivers

CCD's Veteran, Dependent and Active Duty Military Residency Process

All U.S. Armed Forces Military Veterans, dependents or active duty personal will automatically be granted in-state residency based on their admissions application. If the student does not indicate their status on their admissions application they must provide the documentation below.

Veteran Students will need to submit the following:

- DD-214

Active Duty Personnel and Military Dependents will need to submit one of the following:

- Certificate of Eligibility for GI Bill Benefits

- Military orders

- CAC card or Military Dependent Card

FINANCIAL INFORMATION

FINANCIAL INFORMATION

About This Section
CCD is committed to helping you obtain funding to pay for college. You may use this guide to determine the cost of tuition, additional fees and payment options. This section also includes information on all the different types of financial aid available to help pay for college, including grants, scholarships, work-study, loans and how to apply for these types of financial aid.

Start Here
- Tuition & Fees
- Financial Aid

Questions?
Cashier's Office
CCD.edu/Tuition | 303.556.2075 | Confluence Building, Room 119

Financial Aid and Scholarships
CCD.edu/FinAid | 303.556.5503 | Confluence Building, Room 120

Tuition and Fees

CCD.edu/Tuition | 303.556.2075 | Confluence Building, Room 119

The State Board for Community Colleges and Occupational Education determines tuition, which is subject to change annually. Fees also can change. Tuition rates and refund deadlines vary for CCCOnline courses. Contact the Cashier's Office with questions about CCCOnline tuition and payment.

For current tuition and fee rates please visit: https://www.ccd.edu/org/cashiers-office

Rates are subject to change without notice.

College Opportunity Fund

In-State Resident's Tuition Stipend
CCD.edu/COF

The College Opportunity Fund (COF) provides a tuition stipend for in-state resident students completing undergraduate coursework at a public or participating private college. The amount of the per-credit-hour tuition stipend is set annually by the General Assembly and pays a portion a student's total in-state tuition.

In-state resident students must create a lifetime account and authorize the use of the stipend through CCDConnect. Students who fail to apply for and/or authorize the use of the COF stipend within the time allowed will be responsible for the full cost of their tuition.

Tuition Refund Policy

You may receive a refund of tuition and fees for any classes dropped by the census date or for any classes canceled by the College. The census dates are published each semester at CCD.edu/Academic-Calendar. The census date varies depending upon the length of the class. You may also refer to your schedule of classes to determine the census date for each class. It is your responsibility to drop classes by the published deadline.

No refunds are given after the census date. Students receiving financial aid may have their aid adjusted and should check with Financial Aid and Scholarships prior to dropping a class.

Students who make registration changes after refunds are issued may be required to pay for all additional charges.

Prior to the census date, you may be dropped from your classes for non-attendance, which may include any required corequisite class regardless of attendance in that class. If dropped prior to the census date, you are not responsible for the tuition for dropped classes. If dropped after census for non-attendance, you will not be permitted back into the class.

Military students who are called to active duty during the semester should talk to the Office of Registration & Records to discuss the tuition refund policy.

Student Refund Accounts
How the Refund Process Works
All enrolled students 17-years old and older will be mailed information to set up the student refund account after registering for classes. Upon receipt, you must select your refund preferences. You may select to have your refunds credited to your student refund account, may have your refunds credited to your existing bank account via ACH, or may request a paper check.

Financial Aid

CCD.edu/FinAid | 303.556.5503 | Confluence Building, Room 120

Cost of Attendance
Cost of Attendance (COA) includes actual educational expenses (tuition, fees, books, supplies, and equipment) and estimated living expenses (food and housing, transportation, medical and personal expenses based on Colorado Department of Higher Education guidelines). Your financial aid cannot exceed the COA and there is no guarantee that your financial aid will cover all costs.

Sample Budget (actual amounts are subject to change)

Resident	Per Year	Per Month
Living with parents	$22,445	$2,494
Living away from parents	$27,503	$3,056
Non-Resident	**Per Year**	**Per Month**
Living with parents	$34,679	$4,415
Living away from parents	$39,737	$3,853

You may request budget increases for certain expenses such as child care, a one-time computer purchase or for medical expenses by contacting Financial Aid and Scholarships. Such requests, if granted, do not guarantee the availability of additional funds.

What is the CASFA?
CCD uses the Colorado Application for State Financial Aid (CASFA) to determine eligibility for some forms of financial aid for undocumented students. Students eligible for an ASSET tuition classification may be eligible for state funded financial aid, including the Colorado State Grant and Work-Study (if DACA). Some State funding is limited and awarded on a first-come, first-served basis. For this reason, CCD encourages you to apply early each year.

Eligibility for Aid
In order to determine eligibility, submit the FAFSA following the application process provided below. To be eligible, you must meet all of the following criteria:

- Be a citizen or eligible non-citizen of the United States.
- Be accepted for admission at CCD in a degree or eligible certificate program.
- Have a high school diploma, GED or foreign school equivalent. (Students who first enrolled in a program of study prior to July 1, 2012 may qualify under previously existing rules for meeting ability to benefit criteria. Please check with the Financial Aid office for any questions about this eligibility status.)
- Be in good standing at the college and meet Satisfactory Academic Progress (SAP) requirements (see below).
- Not be in default on a student loan or owe a repayment of a federal grant.

Other factors that impact eligibility:

- Students enrolled in programs that require fewer than 16 credits of coursework are not eligible for financial aid.
- Students who have attempted more than 30 developmental education credits are not eligible for financial aid for additional developmental coursework.

- Students who have attempted a course more than twice may not be eligible to receive financial aid for the same course a third time and are encouraged to contact the Financial Aid office to determine eligibility.

Eligibility for Non-Citizens

To qualify for financial aid as a non-citizen, you must be able to provide documentation of one of the following to the Financial Aid office:

- An Alien Registration Receipt Card (I-151 or I-551) or a Conditional Permanent Resident Card (I-151C)
- An Arrival-Departure Record (I-94) from the Department of Homeland Security showing any one of the following designations:
  - Refugee, asylum granted
  - Cuban-Haitian entrant
  - Indefinite parole
  - Citizen of the Freely Associated States – Republic of the Marshall Islands, Federated States of Micronesia, or the Republic of Palau (considered for grant aid and federal aid only).
  - Students attending CCD under DACA or ASSET do not qualify for federal financial aid but are encouraged to apply for scholarships at CCD. See CCD.edu/DREAMers for more information.
  - Students attending under ASSET may qualify for state aid. They must complete the Colorado Application for State Financial Aid (CASFA) at https://cdhestudentxprod.regenteducation.net/signin

FAFSA Application Process

1. Create an FSA ID at studentaid.gov. The FSA ID must be used each year to electronically sign the FAFSA. A dependent student must also have a parent apply for the FSA ID.
2. Complete the FAFSA online at studentaid.gov. The FAFSA becomes available on October 1 each year for the following fall, spring and summer semesters.
   a. In order to send the FAFSA to CCD, use CCD's school code: 009542.
3. After completing the FAFSA, the Federal Processor will send the student a FAFSA Submission Summary, outlining each response provided on the FAFSA. If necessary, you can use the FSA ID to make corrections to the FAFSA online.
4. When CCD receives your FAFSA, the Financial Aid office will send you an email letting informing you of additional required documentation before being awarded financial aid at CCD. This information will also be available online through CCDConnect.
   a. All required documentation must be submitted by April 15 in order for you to be considered for priority awarding of first-come, first-served funding, including some grants, scholarships and work-study funds.
5. When your file is completed with Financial Aid and Scholarships, you will receive an award notice. This information will also be available online through CCDConnect.

Satisfactory Academic Progress

CCD.edu/SAP

Federal regulations require all financial aid recipients to maintain Satisfactory Academic Progress (SAP) in order to receive financial aid. In order to maintain SAP standards at CCD, you must earn a minimum 2.0 cumulative GPA, complete at least 67 percent of your overall attempted coursework, and complete at least one attempted credit each attending semester. SAP standards also require you to complete your degree/program within 150 percent of the published length of the program. All credit hours taken at CCD, including all credits attempted when not receiving financial aid and all transfer hours, are included in determining your SAP status. If determined ineligible for aid, you may appeal to have aid reinstated at the Financial Aid office.

Repayment of Aid

Complete Return to Title IV Policy | CCD.edu/Title-IV

You are only eligible to receive aid for courses in which you establish attendance. If you do not establish attendance in a course and/or fail to drop a course before the published census date, you may be charged tuition

and fees. You may also be required to repay any aid released. Corequisite courses may also be dropped if non-attendance is reported for either course.

You may be required to repay a portion of any financial aid received to CCD and/or the U.S. Department of Education if you do not complete at least one credit hour for each part of term. If CCD reports an amount owed to the U.S. Department of Education, you will not be eligible to receive aid at any institution until the funds are repaid in full.

Types of Aid

The FAFSA not only determines a student's eligibility for financial aid but also determines the types of aid available to the student. Financial aid may be need-based or non-need-based, depending on the Student Aid Index (SAI) and other contributing factors as determined by the U.S. Department of Education.

Grants

All grants at CCD are need-based and do not need to be repaid as long as the student passes their classes. Award amounts and eligibility depend on SAI and enrollment status. Most grant payments will be reduced if you are not enrolled full-time. You do not need to attend full-time to receive grant funds, if eligible.

Work-Study

CCD.edu/Work-Study

Regardless of financial need as determined by the FAFSA, both federal and Colorado work-study may be available on a first-come, first-served basis. You earn work-study through part-time employment on or off campus and must be enrolled at least half-time (six or more credits) to qualify. You can gain employment experience in an area directly related to your field of study while being paid bi-weekly. Eligible students are notified of your maximum work-study eligibility through the Financial Aid award notice and CCDConnect.

Scholarships

CCD.edu/Scholarships

Scholarships are a form of gift aid that does not need to be repaid. Scholarship criteria may include academic achievement, need, talent, special qualities or a combination of these factors. Institutional and private scholarships are posted at CCD.edu/Scholarships. Apply annually starting in January for the upcoming academic year.

Priority is given to students who apply on or before April 15.

Loans
Federal Direct Student Loans

Federal direct student loans are guaranteed by the U.S. Department of Education and do not require a credit check. You must be enrolled at least half-time to receive direct loans. Most direct loans must be repaid six months after you are no longer enrolled at least half-time in an eligible program.

Federal annual limits apply to loans, depending on your grade level and dependency status. To accept direct loans, you must accept the amount needed online via CCDConnect and complete an entrance counseling session and a Master Promissory Note (MPN) at studenaid.gov. You must also complete exit counseling when no longer enrolled at least halftime.

If you borrowed your first direct loan between July 2012 and July 2014, you must begin repayment after dropping below half-time enrollment and do not qualify for the six-month grace period. For additional repayment information, call 1.800.848.0979 or visit studentaid.gov.

Federal Direct Subsidized Loan

Interest is paid by the federal government on your behalf while you are enrolled at least halftime. Repayment begins six months after you are no longer enrolled at least halftime. In repayment, you assume responsibility for interest payments.

Federal Direct Unsubsidized Loan – Not Need-Based

Interest accrues and capitalizes while you are enrolled. While you are not required to make payments on any direct loans while enrolled at least half-

time, you are strongly encouraged to make interest payments while in school.

Federal Direct PLUS Loans (Parents)

Parents may borrow directly from the federal government on your behalf. Repayment typically begins within 60 days after disbursement. The parent has up to 10 years to repay the loan. Credit checks are required and not all loans are guaranteed. If a parent is denied a PLUS loan due to credit, you may borrow additional unsubsidized direct loans.

ACADEMIC INFORMATION

About This Section
The information in this section is centered around helping you understand what is expected of you as a CCD student and a member of the community. For academic integrity and standards, use this as a guide for student success. This guide will also assist you in determining graduation requirements and transfer options.

Start Here
- Academic Policies & Standards
- Academic Integrity Policy
- Academic Progress Guidelines
- Academic Renewal Policy
- Academic Standards
- CCD Celebrates Student Success
- Credit Completion Progress
- Graduation Requirements
- Special Academic Programs
- Transfer Options

Policies & Standards
CCD policies set the expectations for students, faculty, and staff at CCD. If any of these policies are confusing, please reach out to your faculty member or to your academic advisor for clarification.

CCD Grade Policy
You are evaluated in class using a letter-grade system which is based on how many course learning outcomes you have met. Instructors have the authority to assign grades. For more information, read your course syllabus and ask your instructor to explain their grading system.

This is the meaning of each grade.

CCCS Inventory of Common Grading Symbols
I - Incomplete
The I or incomplete grade is a temporary grade. It is designed for students who have completed a majority of the coursework (defined as at least 75 percent of all course assignments and tests) in a satisfactory manner (grade C or better), but are unable to complete within the semester due to documented illness or circumstances beyond their control.

If circumstances prevent you from completing a test or assignments by the end of the term, then it is your responsibility to initiate the request for an incomplete grade from the instructor. The instructor will determine whether you have a reasonable chance of satisfactorily completing the remaining course activities in a timely manner. In the event that you and your instructor cannot reach resolution concerning an incomplete, then you should contact the program chair.

In requesting an incomplete grade, you must present the instructor with documentation of circumstances justifying an incomplete grade. The instructor and you will sign an incomplete grade form and submit it to the appropriate dean for approval. While waiting for the work to be completed, the instructor will assign an incomplete grade on the grade roster.

Military personnel and emergency management officials who are required to go on temporary duty (TDY) during a term should contact their instructor for special consideration. Documentation of official TDY assignment is required and must be approved by the provost.

An incomplete grade, which is not converted to a letter grade by the instructor after one subsequent semester (not including summer semester), will become an F grade unless a higher default grade has been assigned by the instructor.

To avoid duplicate payment of a course, you should not re-enroll in a class in which an incomplete grade is pending, since according to the College's definition of enrollment, you are still enrolled.

S/A, S/B, S/C - Satisfactory
These are satisfactory grades awarded only for developmental and remedial courses. The A, B and C indicate the level of satisfactory performance. These grades are not included in the GPA calculation. The course will count for attempted and earned credits.

U/D, U/F - Unsatisfactory
These are unsatisfactory grades awarded only for developmental and remedial courses. The D and F indicate the level of unsatisfactory performance. These grades are not included in the GPA calculation. The course will count in attempted credits, but will not carry earned credits.

W - Withdrawal
The W or withdrawal grade is assigned when a student officially withdraws from a course after the course census date. A withdrawal can only be processed during the first 80 percent of the course. No academic credit is awarded. The course will count in attempted hours.

AW - Administrative Withdrawal
The AW or administrative withdrawal is assigned by the College when a student has been administratively withdrawn. No academic credit is awarded. The course will count in attempted hours. CCD only grants AW grades for extenuating circumstances that are documented, appealed and approved by the extenuating circumstance appeal committee.

Last Day of Attendance
Faculty members are required to provide the last date of attendance for each student who is awarded an F, I, U, or U/F.

Repeat Field Indicators - I or E
Assigned for repeated courses on a student's transcript, an I will indicate include in earned hours and GPA calculation or E will indicate exclude from earned hours and GPA calculation.

Credit Hours
CCD follows the Colorado Commission on Higher Education and federal guideline on credit hours. That is, that one credit equals 50 hours of student effort both in and out of class. For a lecture class, that means that for every credit you receive, there must be 12.5 hours of in-class time, and 37.5 hours of out-of-class time (homework, reading, preparing for class or exams). All courses including online, hybrid, and accelerated are designed so that you have the opportunity to devote enough time to meet your required course outcomes. When deciding on a course load, you should keep these time requirements in mind.

Extenuating Circumstance Appeal Process
Sometimes students experience an extraordinary emergency that is beyond a student's control. In those rare cases, the extenuating circumstance appeal committee can consider whether to approve a late withdrawal. Students are limited to a total of 1 approved Extenuating Circumstance Appeal during their time as a CCD student, and the appeal must be submitted within 1 year of the semester they are requesting the appeal for

- The Extenuating Circumstances Appeal form can be found online at ccd.edu/docs/extenuating-circumstance-appeal-process-form
- You must complete and submit an extenuating circumstance appeal form and all supporting documentation within one calendar year from the end of the semester for which you are appealing. Incomplete packets will not be considered. Completed extenuating circumstance appeal will be reviewed and you will be notified via CCD email of the committee's decision within 30 calendar days.
- Your extenuating circumstance appeal will be denied if you failed to comply with any deadline.
- If an appeal is denied, you may request to have the appeal reconsidered by the committee, if you can supply additional documentation to support the extenuating circumstance. When a second review is requested, the decision made by the committee is final.
- Students who have received financial aid and are granted an extenuating circumstance appeal may not receive refunds. Credit balances will be used to repay federal aid first. Contact the Financial Aid office for more information.

Grade Appeals

If you wish to appeal the grade you received in a class, you must begin that appeal process within 60 calendar days after the date grades are posted for the semester in which the grade was awarded. Before you can make an appeal, you first discuss the grade with the instructor. If that does not resolve the problem, you discuss your grade   with the program chair. If you do not know the name of the program chair and dean, you can request that name from your academic advisor or from the Office of the Provost. If there is no resolution, you can then appeal the grade by submitting a written statement to the dean of that center explaining the problem. The dean will investigate and respond in writing within 15 days. The dean's decision is the final step of the grade appeal process.

Grade Point Average (GPA)

Grade points measure your achievement for the credit hours completed.

Calculating GPA

Calculating your GPA is important. Please read this explanation and the example below to understand how to do this calculation. Multiply the grade points by the number of credit hours for each course. Total the number of credits and the number of grade points separately. Divide the total grade points by the total credits.

A	=	4 grade points
B	=	3 grade points
C	=	2 grade points
D	=	1 grade points
F	=	0 grade points

NOTE: All other grades (Satisfactory, Unsatisfactory, S/A, S/B, S/C, SP, I, W, AU, AW, NC, U/D, U/F) are not calculated into your GPA.

The following is an example of how to calculate grade point average:

Course	Credits	Grade	Points
ANT 1001 Cultural Anthropology	3	A	12=(3 x 4)
BIO 1111 General College Biology	5	A	20=(5 x 4)
CIS 1018 Introduction to PC Applications	3	B	9=(3 x 3)
ENG 1021 English Comp I	3	D	3=(3 x 1)
PSC 1011 American Government	3	F	0=(3 x 0)
Totals	**17**		**44**

Total grade points divided by total credits equals the cumulative grade point average. Therefore, the grade point average for the above example is 44 divided by 17 for a 2.59 GPA.

Degree Works also lists your current GPA.

Repeating Courses

All CCD college-level courses may be repeated twice. You can only use one grade toward your certificate or degree, except for variable credit courses, some competency-based courses, and other clearly designated courses that may be repeated within program requirements. The highest grade will be used in the GPA calculation.

Once you attempt to register for the same course a third time, you will be directed to an academic advisor and must be approved for registration. If you are denied registration, you have the right to appeal to the director of academic advising. A fourth repeat attempt will require an appeal, which must be approved by the director of academic advising.

All grades for the repeated class will be listed on the transcript. The transcript will note which course(s) were repeated and designate which course will be included in your GPA. All credit hours earned for initial and repeated courses will be deducted from your remaining COF stipend eligible hours. Repeating a course may impact your financial aid eligibility.

If the same grade is earned two or more times for a repeated course, the most recent instance of the duplicate grade will be included in the term and cumulative GPA. All other duplicate grades will be excluded from the term and cumulative GPA. The repeat policy does not apply to courses transferred to CCD.

If both the initial and the repeated course were taken in fall semester 2006 or after, the system should automatically remove the lower grade from the GPA. If either the initial or the repeated course (or both) were taken prior to fall 2006, then you must complete a Petition for Repeat Course form and submit it to the Office of Registration and Records. If you do not see the repeated designation, you may submit a Petition for Repeat Course form to the Office of Registration and Records.

For Developmental Courses Only

The grading system for developmental courses changed beginning fall semester 2006 and developmental grades are no longer included in the cumulative GPA calculation. However, if either the initial course or the repeated course (or both) were taken prior to fall 2006, then you must complete and submit a Petition for Repeat Course form to the Office of Registration and Records in order for the developmental coursework to be reviewed.

Academic Integrity Policy

About This Policy

As a student at Community College of Denver, you are expected to behave as a responsible member of the college community and to be honest and ethical in your academic work. CCD strives to provide you with the knowledge, skills, judgment and critical thinking needed to function in society. To falsify or fabricate the results of your research, to present the words, ideas, data or work of another as your own, or to cheat on an examination corrupts the essential process of higher education and is a disservice to the student, faculty and staff community. All members of the CCD community share the responsibility and authority to challenge and report acts of academic dishonesty.

Guidelines for Academic Integrity

• You assume full responsibility for the content and integrity of the coursework you submit.

• You must do your own work and submit only your own work on examinations, reports and projects unless otherwise permitted by the instructor.

• You are encouraged to contact your instructor about appropriate citation guidelines.

• You may benefit from working in groups. However, you must not collaborate or cooperate with others on graded assignments, examinations or other academic exercises unless clearly directed to do so by the instructor.

• You must follow all written and/or verbal instructions given by instructors or designated college representatives prior to taking examinations, placement assessments, tests, quizzes and evaluations.

• You are responsible for adhering to course requirements as specified by the instructor in the course syllabus.

Forms of Academic Dishonesty

Actions constituting violations of academic integrity include, but are not limited to, the following:

Cheating

Intentionally using or attempting to use unauthorized materials, information or study aids in any academic exercise.

Examples of cheating include, but are not limited to:

- Using books, notes, or calculators or copying from or conversing with others during examination (unless permitted by the instructor).

- Having someone else do research, write papers, or take examinations for someone else.

- Submitting work completed in one class to fulfill an assignment in another class without prior approval from the instructor(s).

- Stealing, distributing, selling, and buying tests or having someone take a test on someone else's behalf.

Plagiarism

Representing the words or ideas of another as one's own in any academic exercise.

The following are considered to be forms of plagiarism:

- Word-for-word copying of another person's ideas or words.
- Mis-citing or incorrectly quoting another person's ideas or words.
- Interspersing one's own words within a document while, in essence, copying another's work.
- Rewriting another's work, yet still using the original author's fundamental idea or theory.
- Inventing or counterfeiting sources.
- Submitting another's work as one's own.
- Neglecting quotation marks on material that is otherwise acknowledged.

Misuse of Academic Materials

The misuse of academic materials includes, but is not limited to:

- Stealing or destroying college or library reference materials, or computer equipment and/or programs.
- Stealing or destroying another student's notes or materials, or having such materials in one's possession without the owner's permission.
- Receiving assistance in locating or using sources of information in an assignment when such assistance has not been authorized or is forbidden by the instructor.
- Illegitimate possession, disposition, or use of examinations, test banks or answer keys to examinations.
- Unauthorized alteration, forgery or falsification of academic records.
- The sale or purchase of examinations, papers, projects or assignments.

Complicity in Academic Dishonesty

Complicity involves knowingly contributing to another's acts of academic dishonesty.

Fabrication

The invention of material or its source and its use as an authority in academic work. Fabrication includes but is not limited to:

- Inventing data for a scientific experiment.

- Inventing the title and author or a publication in order to use the invented publication as a source.

- Knowingly attributing materials to an incorrect source.

Facilitating Academic Dishonesty

Intentionally or knowingly helping or attempting to help another to violate any provision of this policy.

Multiple Submission

Unauthorized submission of academic work for which academic credit has already been earned and when such submission is made without authorization.

Academic Misconduct Procedure

Academic integrity is a foundational value of CCD. If there is an allegation of any academic misconduct, a report needs to be filed with the Office of Student Conduct as academic misconduct is considered a violation of the Student Code of Conduct.

When an incident of academic misconduct occurs, the faculty member has the autonomy to address the incident directly and immediately. This includes any grade implications. The faculty will then file an academic misconduct report with the Office of Student Conduct. The Office of Student Conduct will send out official communication, process the incident, investigate when necessary, and respond with appropriate institutional sanctions. This includes, but is not limited to probation, suspension, or expulsion in addition to possible educational sanctions, which will be added to a student's conduct file.

When an incident of academic misconduct occurs outside of class or is reported after the fact, the Office of Student Conduct will investigate the situation. Once a finding has been determined, the Office of Student Conduct will relay information to the responsible faculty member for any academic grade determinations.

A student has a right to appeal all proceedings. Similar to the investigatory process, the student has a two-pronged appeal opportunity (grade and/or conduct sanctions).

In order to appeal the grade, the student must follow the grade appeal process. All grade decisions by the supervising dean are final. If the student wants to appeal the institutional sanction(s), the student may appeal the conduct decision with the vice president of Enrollment Administration and Student Success or designee through the conduct appeal process. All conduct sanction appeal decisions by the vice president of Enrollment Administration and Student Success or designee are final. Information can be found at CCD.edu/StudentCode.

Academic Progress Guidelines

About This Procedure

As a CCD student, you are expected to maintain satisfactory academic progress. Recognizing the value of measuring academic progress for all students, CCD has established the following practice and procedure for measuring academic standing. This procedure is intended to be informational and helpful, but also establishes clear standards of academic progress that must be met and maintained in order to be a successful student at CCD. Your academic standing at one Colorado Community College System (CCCS) college will impact academic standing at other CCCS colleges.

Process

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

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

Definitions

- Only college-level classes will be used to calculate term and cumulative grade point averages (GPA). This includes summer-term courses.
- Only courses taken at CCD will be used for this procedure. Courses taken elsewhere and transferred in do not apply. The GPA calculations for this procedure may not match those used for financial aid purposes.

Standards

Initial Standing

Student has completed fewer than 9 cumulative credit hours with a cumulative GPA greater than or equal to 2.00 for all classes completed.

Academic Alert
Student has completed fewer than 9 cumulative credits with a cumulative GPA less than 2.00 for all classes completed.

Good Standing
Student has completed at least 9 cumulative credit hours and has a cumulative GPA greater than or equal to 2.00 for all classes completed.

Performance support
Student has completed at least 9 cumulative credit hours and has a cumulative GPA less than 2.00 for all classes completed. This value was previously referred to as "Academic Probation." By the conclusion of the Performance Support term, the student must raise their cumulative GPA to at least 2.00. If this condition is met, the student returns to Good Standing. Otherwise, the student will be Performance Improving or on Academic Suspension as outlined below.

Returning Support
Student is returning from Academic Suspension. By the conclusion of the Returning Support term, the student must raise their cumulative GPA to at least 2.00. If this condition is met, the student returns to Good Standing. Otherwise, the student will be Performance Improving or on Academic Suspension as outlined below.

Performance Improving
If a student on Performance Support or Returning Support earns a term GPA of at least 2.00 for all classes completed during the term but fails to raise their cumulative GPA to at least 2.00 for all classes completed, the student will be allowed to attend the next term as Performance Improving. This value was previously referred to as "Probation Continuing."

- As long as the student continues earning a term GPA of at least 2.00 during each term, they will be permitted to continue attending. The student will remain on Performance Improving until the cumulative GPA is at least 2.00, at which time they will return to Good Standing.
- If the student does not earn a term GPA of at least 2.00 while on Performance Improving, they will be placed on Academic Suspension.

Academic Suspension
If a student on Performance Support, Returning Support or Performance Improving earns a term GPA of less than 2.00 for all classes completed during the term, the student will be suspended and will not be allowed to enroll at the College issuing the suspension for the next term unless an appeal is approved. The student may be dropped from all registered courses for an upcoming term at the College based on the College's procedures.

Academic Suspension
All academic suspensions are for one term only. If a student who has served a suspension wishes to return, the student will be allowed to re-enroll only after meeting with an academic advisor. The student will be placed on Returning Support for their return semester. Students suspended from one College are not suspended from other Colleges within the System.

Appeals Process
- Students placed on Academic Suspension will be notified of their status and given the opportunity to appeal. Students must appeal their suspension based on procedures developed by the College issuing the suspension in order to continue enrolling at that College. Each College's appeal process should incorporate an element where the student demonstrates what has changed and why they will perform better in the future. Appeal consideration will be based on statements and documentation as submitted by the student. College processes for approving or denying appeals must be based upon objective factors.
- If the College approves an appeal, appeals for subsequent Academic Suspensions should address why the student was unsuccessful on the prior appeal, and what additional measures have been taken to ensure success.
- If the student's suspension appeal is approved, the student will be placed on Performance Support.
- If the student's suspension appeal is not approved, the student may be dropped from all courses registered for in upcoming terms at the College, based on the College's procedures.

Academic Renewal
In order to help CCCS students achieve success, returning students may request a one-time academic renewal from a CCCS College where up to 30 credit hours of poor academic performance may be excluded from their GPA calculation. The following procedures apply to applications for academic renewal:
• Students must wait a minimum of two academic years from the last term being considered for academic renewal.
• Students must be enrolled and have completed at least 6 hours with a 2.00 term GPA to be awarded academic renewal. For a Reverse Transfer Degree only, the student may fulfill this requirement by demonstrating enrollment in at least 6 credit hours with a 2.00 term GPA during the last semester of attendance at the four-year institution.
• A maximum of 30 credit hours can be excluded from the GPA.
• Grades approved for academic renewal remain on the transcript but are excluded from the GPA calculations.
• Academic renewal applies to D and F grades only.
• Students can only apply for academic renewal once, and if awarded, it is not reversible.

Notwithstanding the above procedures, a CCCS College may automatically grant academic renewal for students through the statewide Colorado Reverse Transfer Program if the student's four-year institution data shows they have been successfully progressing, and granting academic renewal will result in the awarding of an Associate's degree.

Academic Renewal Policy

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

Academic renewal applies only to courses taken at CCD and may only be awarded once. The original grades and credits remain on the permanent academic transcript and credit hours are deducted from your remaining COF stipend eligible hours. A notation indicating "academic renewal awarded" will be made on the official transcript and the grades will be excluded from the GPA. After being granted, academic renewal is irreversible. Credit excluded from the GPA calculation cannot be used to satisfy the requirements for completion of a certificate or degree.

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

- Up to 30 hours can be excluded from GPA, but those grades will remain on your transcript.
- For courses to be eligible for academic renewal, you must not be enrolled at CCD for two calendar years.
- You must then be enrolled and have completed at least six semester credit hours with a minimum 2.0 GPA since returning to CCD. For reverse transfer degree only, you may fulfill this requirement by demonstrating enrollment in at least 6 credit hours with a 2.0 term GPA during the last semester of attendance at the four-year institution.
- The academic renewal form must include an academic advisor's signature.
- Only grades of D and F are eligible for academic renewal and exclusion from GPA calculation.

You are encouraged to meet with an academic advisor if you are concerned about a poor academic record to discuss other academic progress options and strategies for academic success.

The academic renewal policy is only applicable to CCD. Other institutions receiving a CCD transcript for transfer are not bound by CCD's policy and may choose to calculate your transfer GPA to include all grades, even those excluded by CCD under this policy.

Federal regulation dictates that academic renewal cannot impact a student's Satisfactory Academic Progress (SAP) standing for financial aid. CCD must use the original grade point average (GPA) when calculating the measures for SAP.

While applying for academic renewal, you are responsible for investigating the potential impact of academic renewal on transfer admission, financial aid, veteran's benefits and other agencies and organizations.

Academic Standards

CCD Curriculum Standards
CCD follows the Colorado state-mandated common course descriptions, competencies and outlines for any course offered, regardless of the method of delivery. For online, hybrid and accelerated courses, CCD uses existing academic structures in the development of courses and curricula.

Attendance
Attendance at all class sessions is critical for academic success. Regular and punctual attendance is expected, and each instructor will keep a complete record of student attendance for the entire length of each course. As a CCD student, you will be counted absent from missed class meetings, beginning with the first day of class. Faculty must report any student who does not attend the first 15 percent (census date) of the course and you will be dropped and not be allowed to re-register for the course. Any corequisite required for a course that is dropped for non-attendance may also be dropped. You are responsible for properly processing a withdrawal from a class if you want to avoid receiving a failing grade.

You are responsible for communicating with your faculty member often and quickly about any absence, learning the material that was taught, and completing all class assignments.

The attendance policy for health sciences and other programs may differ because of clinical requirements or rules set by approving agencies.

Online students must complete a graded assignment within the first 15 percent of the course (census date). Depending on the instructor, this can be a discussion post, assignment, quiz, or some other assessable activity. Please check with your instructor if you have questions.

Assessment of Student Learning

We value and are committed to a process of student learning outcomes assessment that is faculty- and staff-driven, student-centered, and advances student learning inside and outside the classroom at the Community College of Denver (CCD). Student learning outcomes assessment at CCD is the "systematic collection, review, and use of information about education programs undertaken for the purpose of improving student learning and development" (Palomba & Banta, 1999). Direct assessment occurs at three levels—course, program, and institutional—with defined outcomes/objectives at each level.

At the institutional level, a CCD graduate will demonstrate the following:

- Quantitative Literacy – Interpret, represent, and analyze mathematical information accurately and perform calculations to solve problems
- Effective Communication – Communicate a central guiding idea to a defined audience, for a concrete purpose, employing effective conventions in the service of meaning
- Intercultural Literacy – Utilize a set of cognitive, affective, and behavioral skills to effectively interact in a variety of cultural contexts
- Critical Thinking – Analyze information and ideas from multiple perspectives and articulate an argument, opinion, or conclusion based on that analysis

At the program level, assessment focuses on improving teaching and learning based on each program-area's program student learning outcomes (PSLOs). While program chairs are responsible for program-level assessment, the Student Learning Committee and its members support chairs in this process.

At the course level, assessment is used to evaluate the success of particular courses in achieving their stated course outcomes for student learning.

CCD Celebrates Student Success

Academic Honors
CCD.edu/CCD-Honor-Students

Graduation Honors
Graduation honors recognize outstanding academic achievement throughout your academic career. The honors are awarded to students who complete the requirements for an associate degree, completing at least 30 credit hours with a 3.5 or better cumulative GPA at CCD. Only college-level courses completed with CCD will be included in the GPA calculation.

The three levels of recognition are defined as follows and will be posted on your transcript:

- Cum Laude ("with honor") – 3.50 to 3.749 cumulative GPA
- Magna Cum Laude ("with great honor") – 3.75–3.99 cumulative GPA
- Summa Cum Laude ("with highest honor") – 4.0 cumulative GPA

Semester Honors
CCD provides an opportunity for you to be recognized with academic honors on a semester-by-semester basis. CCD has three recognized academic honors: Dean's List, Vice President's List and President's List. When you qualify, you will receive a notation for that term on your official transcripts. You must complete a minimum of 12 college-level credits during the semester to be eligible for this recognition. Developmental courses are not included in the calculation for semester honors.

Semester GPAs required to qualify for these term academic honors are as follows:

Honor	Required Term GPA
Dean's List	3.50-3.749
Vice President's List	3.75-3.999
President's List	4.0

Honors Program
CCD.edu/Honors

The CCD Honors Program was established in 1990 to recognize outstanding talent among CCD students and to provide a supportive, stimulating community throughout their time at CCD.

As a student in CCD's Honors Program, you will go a step beyond the routine, turning ordinary courses into extraordinary learning experiences. Your student transcript will reflect the individual honors courses and the overall completion of the Honors Program, providing recognition that will serve you as you transfer to other institutions, seek scholarships and pursue career goals.

There is no fee to join the Honors Program and all CCD students are welcome. To participate, contract with individual instructors to do work above and beyond the ordinary class requirements. Once you have completed this supplemental work, the class will be transcripted as an "Honors Course."

Once you complete the Honors Program (15 credits of honors course with a 3.5 or higher cumulative GPA), you will have the notation "Honors Program Completed" on your official transcript. Honors Program graduates also receive special recognition in the CCD annual Commencement program and are entitled to wear purple and gold honors cords regalia at Commencement. Since 2011, the CCD Honors Program has had an articulation agreement with Metropolitan State University of Denver's Honors Program, whereby honors credits may be transferred. To learn more, contact the honors program coordinator at CCD.edu/Honors.

Phi Theta Kappa
CCD.edu/PTK

Phi Theta Kappa is the international honor society for two-year community and junior colleges and recognizes student academic excellence while promoting academic community through its Alpha Mu Mu chapter at CCD.

To be eligible for membership in Phi Theta Kappa, you must have at least a 3.5 GPA after completing 12 or more credit hours of college-level work.

If eligible, you will be invited to join each semester, becoming lifetime members. Phi Theta Kappa members are honored at graduation for your outstanding academic achievements. Only Phi Theta Kappa members are eligible for over $37 million in transfer scholarship money.

As an interested and eligible student, visit CCD Phi Theta Kappa's Facebook page, Alpha Mu Mu, or visit CCD.edu/PTK for more information.

Psi Beta
CCD.edu/Psi-Beta

Psi Beta is the national honor society in psychology for community and junior colleges. Its mission is to encourage professional development and psychological literacy of all students at two-year colleges through promotion and recognition of excellence in scholarship, leadership, research and community service.

Psi Beta members gain recognition for achieving the honor of membership and are eligible for national awards, annual awards and other benefits.

As an interested and eligible student, contact the faculty advisor at CCD.edu/Psi-Beta.

Sigma Chi Eta
Sigma Chi Eta (SCH) is the official community college honor society of the National Communication Association. Its six goals are to:

(1) recognize, foster, and reward outstanding scholastic achievement

(2) stimulate interest in the field of Communication

(3) promote and encourage professional development among Communication majors

(4) provide an opportunity to discuss and exchange ideas about the field

(5) establish and maintain close relationships and understanding between faculty and students

(6) explore options for further undergraduate/graduate studies

To be eligible for admission, students must meet the following criteria: complete 12 semester credit hours, have a minimum cumulative GPA of 3.0 for all courses taken, complete the equivalent of three courses or 9 semester credit hours in Communication, have a minimum GPA of 3.25 for all Communication courses taken, and be currently enrolled as a student in good standing.

If interested in more details or becoming a member, contact SCH faculty advisor at CCD.edu/comhonors.

Commencement
CCD.edu/Commencement

Commencement is held once a year in the spring semester. The summer, fall and spring graduates are invited to participate. For more information regarding commencement, visit CCD.edu/Commencement or contact SPARC.

Credit Completion Progress

Recognizing the value of credit completion for all students with regard to retention, transfer and credential attainment, CCD has established the following practices and procedures for measuring credit completion progress. As a student, you must meet the standards of credit completion progress in order to be successful at CCD.

Process
For students who have attempted fewer than 9 credit hours, CCD will monitor credit completion through an alert process. These students are not subject to the credit completion progress guideline.

Credit completion progress standards apply to all students who have attempted 9 or more credits at CCD, regardless of the number of term credits they attempt from that point forward. Credit completion progress standards will be applied consistently and uniformly within each CCCS college. CCD

will determine credit completion progress standards following the posting of the majority of term grades for each semester. Students placed on warning 1, warning 2 or warning 3 will be notified of their status. Credit completion progress status will be noted on the advising and unofficial transcripts only (it will not be noted on official transcripts). The credit completion progress status of a student is specific to CCD and does not impact a student's enrollment at other CCCS colleges.

Definitions
- Credit completion progress includes all credit-bearing classes (developmental and college-level), which will be used to calculate the percentage of attempted credits passed. This includes summer-term courses.
- Only courses taken "in residence" will be used for this calculation; "in residence" means taken at CCD. Courses taken elsewhere and transferred in do not apply. The credit completion rate for this procedure will not necessarily match those used for financial aid purposes or athletic eligibility.
- Grades considered to be passing when computing the percentage of attempted credits passed are as follows: A, B, C, P/A, P/B, and P/C
- Grades considered to be failing when computing the percentage of attempted credits passed are as follows: I, D, F, F/D, F/F, and I/F
- Course completion rate is calculated by dividing the total attempted credits by the number of credits successfully completed as per the definitions above.

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

Good Standing
A student has attempted at least 9 cumulative credit hours and has a cumulative course completion rate of at least 50 percent.

Warning 1
A student has attempted at least 9 cumulative credit hours and has a cumulative course completion rate of less than 50 percent for the first time.

Warning 2
A student has attempted at least 9 cumulative credit hours and has a cumulative course completion rate of less than 50 percent for the second time.

Warning (Continued)
If a student on credit completion warning passes 50 percent or more of their attempted term credits but fails to raise their cumulative completion rate to 50 percent, they will be allowed to continue the next term but will remain on credit completion warning.

Warning 3
A student has attempted at least 9 cumulative credit hours and has a cumulative course completion rate of less than 50 percent for the third time.

Warning Rules
- Students on warning 1: You will receive a communication regarding your credit completion status and will be given information on student support services at CCD.
- Students on warning 2: You will receive a communication regarding your credit completion status and will have a credit completion registration hold placed on your CCD student account. You will not be able to make any changes to your student account until you meet with your academic advisor to appeal.
- Students on warning 3: You will receive a communication regarding your credit completion status and will have a credit completion registration hold placed on your CCD student account. You will not be able to make any changes to your student account until you meet with your academic advisor to appeal. CCD reserves the right to limit the number of credit hours you may enroll in when placed on warning 3 status.
- Reviews of appeals are completed by academic advisors and the director of the Associate Dean of Student Success.
- Appeal forms can be found in the document library at CCD.edu/StudentForms.

- Completed credit completion warning appeal documents should be turned in to academic advising.

Graduation Requirements

Catalog Requirements for Graduation

This catalog is effective summer semester 2024 through spring semester 2025. First-time students at CCD who are admitted during this period should use this catalog.

Continuing students who have not had a 12-month lapse in enrollment since first enrolling at CCD have the following "catalog of record" options for meeting their graduation requirements. A student may use the catalog in effect when the student

- is admitted to CCD;
- first registers at CCD;
- submits a Program of Study Change Request form;
- or applies for graduation.

Students cannot combine major requirements from multiple catalogs for graduation purposes. The catalog of record can be used for only six years for degree programs and three years for certificate programs. Students who do not maintain continuous enrollment (attend at least one term during each 12-month period) must be readmitted and are subject to the catalog in effect beginning with the term for which they are readmitted.

Auto-Conferral

After census for the fall and spring terms, the Office of Registration andRecords and the Academic Advising & Student Success Center will research records of students who are at 100% of degree or certificate requirements in –progress as displayed in Degree Works reporting Graduation Applications will be submitted on each student's behalf if the student has not already submitted an application. Awards will be "automatically conferred" at the end of the term for those who successfully complete their degree or certificate requirements (grade of "C" or better in each course and for degrees a cumulative GPA or 2.0 or higher).

Reverse Transfer

Reverse transfer allows students who have transferred from CCD to a Colorado four-year institution to combine credits from both institutions and apply them towards an associate degree. This can be done either by opting in to the Colorado Reverse Transfer program when notified by the four-year institution (students will only be eligible for the A.A., A.S. or A.G.S. degrees) or students may initiate this process by submitting their official transcript from a four-year institution along with a completed CCD graduation application to the Office of Registration and Records.

Before You Can Graduate

Degrees and certificates will be granted during the semester in which the final requirements are completed. You need to apply for graduation by the published deadline.

Check Your Progress Towards Graduation

How to Use Degree Works

Degree Works is a web-based degree audit and advising tool that allows you to view requirements for all degrees and certificates and see how credits apply towards a selected degree plan.

1. Log into CCDConnect.
2. Click on the Degree Check icon.
   - The audit for officially declared program(s) will appear in a new window.
   - If you are pursuing multiple programs (i.e. a certificate and an associate degree) , the desired program can be selected from the "program type" drop down box at the top of the page.
   - NOTE: If you do not have a correct degree/certificate declared with the Office of Registration and Records, you may submit a Program of Study Change Request - https://www.ccd.edu/docs/program-study-change-request. Please allow 5-7 business days for processing and Degree Check to be updated.

3. Print the Degree Works audit by clicking "print" n the upper right corner of the page..

What-If Audit

To see how your coursework will fit in another program of study, you can do a "What-If" audit by clicking on "What-If" under the box with your name.

1. Under the what-if "program type," select a degree option or click on "certificate" to choose any of the certificate options.
2. For "catalog year," select the year coursework was begun or the current academic year.
3. Select a specific "program" or "concentration," if applicable.
4. Click the "process what-if" button.

Graduation Checklist
Preparation Checklist

- You are encouraged to meet with your academic advisor to ensure certificate/degree requirements have been met.
- Apply for graduation electronically at www.ccd.edu/GradApp
- To request credit for previous college coursework, you must have all official transcripts sent to the Office of Registration and Records. Official transcripts must be submitted prior to the end of the semester of graduation. You must check your unofficial CCD transcripts to ensure the transfer credit has been applied to your records.
- Prior Learning Assessment Credit (PLAC) may be applied toward your degree or certificate only after formal processing and granting of credit. The PLAC evaluation must be completed prior to the end of the semester of graduation.
- Diplomas will be printed with the name currently on record with CCD's student information system. All requests for name changes must be submitted to Office of Registration and Records before or during the semester the graduation application is submitted.
- An incomplete grade will result in a denied graduation.
- If the graduation application is disapproved for any reason, you must reapply during the new semester of graduation. All application deadlines apply.
- Degree/certificates may be picked up from the Office of Registration and Records or will be mailed to you approximately eight weeks after the end of the term. Diplomas will be mailed to the address currently on record in CCDConnect. Be sure this information is kept up to date.
- Diplomas that are returned to CCD due to incorrect addresses will be held for one year, after which they will be destroyed.
- Duplicate copies of diplomas may be requested for $25 each.

Degree Requirements

All degrees have general education requirements that meet goals for general education, established by the Colorado State Board for Community Colleges and Occupational Education. For additional information, please visit the Colorado Community College System (CCCS.edu) website.

The diploma received at the time of graduation will list the degree only. The diploma will not list an area of emphasis unless majoring in an Associate of Applied Science, Associate of Arts Degree with major or Associate of Science Degree with major.

Associate Degree Requirements

Associate degree applicants must meet all of the following requirements. The department chair and center dean may approve exceptions.

- Earn a cumulative grade point average of 2.0 — a C average – or better. All courses considered for graduation require a C or better. You should check with your department chair, center dean or academic advisor for information about these requirements, as some programs may have higher GPA requirements. Only the center dean may approve exceptions for the minimum grade earned towards a degree. If a grade lower than a C is approved, it may nullify certain transfer agreements and does not guarantee that it will be accepted at other institutions of higher education.
- Complete a minimum of 60-semester hours of credit in approved coursework.
- Complete a minimum of 15 credits at CCD within the selected program of study.

- Momentum Credit will apply toward degree requirements, but not toward guaranteed transfer or residency requirements.
- CCD Online and CCC Online (registration through CCD and CCD declared as the home institution) courses will be included in residency hours.
- To obtain a second degree from CCD, you must meet all degree requirements as well as complete 15 additional semester hours at CCD that apply towards the second program of study.
- No more than six semester hours of independent study coursework can be applied toward an associate degree program.
- Special topics credit hours may be limited when applied towards a degree. In individual cases, the limit is determined by the program area. You are responsible for consulting with your academic advisor before registering for special topics courses in order to determine how these credits apply toward a degree.
- Quarter-hour transfer credits will be converted to semester credit hours using the formula one quarter hour credit = 2/3 semester credit hour. Thus, a four-quarter-credit course becomes 2.7 semester credits. For the purpose of awarding a degree, CCD will allow up to a one-credit course substitution per course for this insufficient credit, as long as the course substitution is not being used for an Associate of Arts Degree with Designation or an Associate of Science Degree with Designation. If you have insufficient credit due to quarter-hour conversions, you must speak with your academic advisor to see if you qualify for a course substitution.

Certificate Requirements

All CCD graduates for certificate programs must meet the following requirements. The program department chair and center dan may approve exceptions.

- Earn a C average or better in coursework included in the certificate program. All courses considered for graduation require a C grade or better unless otherwise approved. Check with the instructional center and academic advisor for information about the minimum GPA required for graduation as some certificates may have higher GPA requirements.
- Complete the specified requirements of an approved vocational/technical program.
- Complete a minimum of 25 percent of the selected program of study at CCD.
- If required by the program, complete the capstone course at CCD.
- CCD Online and CCC Online (registration through CCD and CCD declared as the home institution) courses will be included in residency hours.
- Quarter-hour transfer credits will be converted to semester credit hours using the formula one-quarter-hour credit = 2/3 semester credit hour. Thus a four-quarter-credit course becomes 2.7 semester credits. For the purpose of awarding a certificate, CCD will allow up to a one-credit course substitution per course for this insufficient credit. If you have insufficient credit due to quarter-hour conversions, you must speak with your academic advisor to see if you qualify for a course substitution.

Transfer Options

Transferring to Four-Year Institutions

To help eliminate the guesswork of transferring course credits and associate degrees, Colorado has developed a statewide guaranteed transfer program called GT Pathways (guaranteed transfer pathways) and many statewide articulation agreements. Community College of Denver adheres to these established programs and agreements in order to guarantee the transfer of credits.

CCD's Associate of Arts (A.A.) and Associate of Science (A.S.) degrees are designed to transfer to Colorado public four-year colleges and universities. After you obtain an A.A. or A.S. degree, you may enter a four-year institution as a junior. In some circumstances, an Associate of Applied Science (A.A.S.) or Associate of General Studies (A.G.S.) degree may transfer.

GT Pathways applies to all Colorado public colleges and universities, including Community College of Denver. After starting at any public college or university in Colorado and, upon acceptance to another, students can transfer up to 31 credits of previously and successfully (C or better) completed GT Pathways coursework. These courses will automatically

transfer and continue to count toward general education core or graduation requirements for any liberal arts or science associate's or bachelor's degree. Students should check with the school that they wish to attend so that they are clear about which credits will transfer beyond any that are guaranteed by GT Pathways.

Statewide Transfer Articulation Agreements / Degrees with Designation

A statewide transfer articulation agreement is an agreement among Colorado community colleges and universities. These agreements allow you to graduate from a community college with a 60 credit Associate of Arts (A.A.) or Associate of Science (A.S.) degree with designation, such as an Associate of Arts in business; enroll with junior status at a university; and complete the bachelor's degree in no more than an additional 60 credits (for a total of 120 credits). If you attend full-time (15 credits per semester) and follow the structured schedule, you can complete a bachelor's degree in four years.

View a full list of degrees with designation.

Certain majors require that you take essential lower-division prerequisites before transferring to a four-year institution. Contact your academic advisor or faculty mentor for help in selecting lower division credit hours and for additional information regarding transfer to a four-year degree.

Other Transfer Agreements

Besides GT Pathways and the statewide transfer articulation agreements listed above, many colleges and universities have other transfer agreements that may apply. Use this catalog to determine if your degree path will transfer and speak with your academic advisor or faculty mentor for additional information.

Find Assistance

Colorado Community College System (CCCS)
CCCS.edu

Visit the CCCS for links to some of the four-year institutions that have articulation or transfer agreements with CCD.

Colorado Department of Higher Education
www.HigherEd.Colorado.gov

Additional information about statewide guaranteed transfer and articulation agreements is available at the Colorado Department of Higher Education.

STUDENT SUCCESS SERVICES

There are numerous student support services to assist you throughout your time at CCD. These consist not just of CCD resources, but also campus resources to help you get around the Auraria Campus. Use the helpful terms below to get started.

Helpful Terms

Academic Advisor
Advising specialists serve new and continuing students based on CCD's advising pathways model and your declared major/program. Advisors serve as the main point of contact to help you confirm your choice of major/program, discuss placement test results, complete an academic plan, understand academic policies and procedures, track your progress towards graduation or transfer, provide support as needed, and connect to campus resources. Ideally, based on CCD's one-student, one-advisor model, you will connect with one academic advisor throughout your entire academic career at CCD.

Academic Calendar
CCD.edu/Academic-Calendar

The period that makes up the school year. CCD's academic calendar consists of two 15-week semesters (fall and spring) and one 10-week summer semester. There are set start and end dates for each semester. Payment, drop, registration and grading policies are set in accordance with the academic calendar. Not all classes follow the traditional 15-week (or 10-week in summer) schedule.

Academic Progress
Academic progress is a College policy that dictates the minimum GPA you must maintain to continue enrollment at CCD. Failure to meet academic progress requirements could affect financial aid eligibility.

Academic Year
You are assigned an academic year depending upon the number of college-level credit hours completed.

- Freshman: Successful completion of fewer than 30 college-level semester credit hours.
- Sophomore: Successful completion of 30 or more college-level semester credit hours.
- Unclassified: Awarded a degree at the associate level or above.

CASFA
Colorado Application for State Financial Aid: https://cdhe.colorado.gov/students/preparing-for-college/colorado-application-for-state-financial-aid

Census Date
The last date on which you can drop a class and receive a refund. Classes dropped before the census date will not appear on your academic record. If you withdraw from a class after the census date, you will not receive a refund. Withdrawn classes will appear on the academic record with a grade of W. The census date varies depending upon the length of the class. Refer to your schedule of classes to determine the census date for each class.

Corequisite
If a course has a corequisite, you must take the course simultaneously with another. It is your obligation to know and meet course corequisites as stated in the course description section of the CCD Catalog and the web course schedule. Corequisites will be checked at registration and you may be dropped if the corequisite is not met.

College-Level Courses
Courses numbered 1000 or higher (ex. MAT 1340). Grades received in college-level courses are used when calculating GPA. These courses can be used to satisfy graduation requirements.

College Opportunity Fund (COF)
A stipend provided to eligible undergraduate students who are Colorado residents. The stipend pays a portion of total in-state tuition for students attending a Colorado public institution or a participating private institution.

The stipend is paid on a per-credit-hour basis. The credit-hour amount is set annually by the General Assembly.

Consortium
A written agreement between two schools that allows you to be co-enrolled at CCD and another institution and receive financial aid based on the combined enrollment at both institutions.

Course Load
The typical course load for full-time CCD students is 12 or more credit hours. For tuition and certification purposes, if you register for fewer than 12 credit hours, you are considered part-time during the academic year.

For enrollment verification purposes, your student course load (fall, spring or summer) is defined as the following:

- 12 credits = full-time
- 9 credits = three-quarter time
- 6 credits = half-time
- Fewer than 6 credits = less than half-time

Developmental Courses
Courses numbered below 1000 (ex. MAT 0250). Grades received in developmental courses are not used when calculating GPA and these courses cannot be used to satisfy graduation requirements.

Drop Date
See "Census Date" above

Emancipation
For tuition classification (residency) purposes, unmarried students under the age of 23 whose parents do not live in Colorado who are emancipated are eligible to establish their own domicile upon reaching 22 years of age. Students may only establish domicile after being emancipated. Thus, an individual emancipated at age 22 may be considered for in-state tuition based on their domicile in Colorado after turning 23.

FAFSA
The Free Application for Federal Student Aid (FAFSA) must be submitted annually in order to determine eligibility for financial aid.

FERPA
Family Educational Rights and Privacy Act of 1974 (FERPA) is a Federal law that protects the privacy of a student's education records.

GPA
Grade point average (GPA) is the average grade earned by a student. This is a measure of your academic achievement and is calculated by dividing the total number of grade points earned by the total number of credits attempted. Only grades received in college-level courses taken at CCD are used to calculate GPA.

Home Institution
For both consortium agreements and inter-institutional registration, the home institution refers to the institution from which the student is seeking a certificate or degree. Typically, you may receive financial aid from the degree-granting institution (the home institution).

Host Institution
For both consortium agreements and inter-institutional registration, the host institution refers to the institution where the student will be visiting and taking courses to transfer back to the home institution.

Inter-Institutional Registration
As a CCD student, you may take select college-level courses at Metropolitan State University of Denver (MSU Denver), Colorado School of Mines, or University of Colorado Denver (CU Denver) under the inter-institutional agreement, if space is available. Under this agreement, MSU Denver and CU Denver students may take select college-level courses at CCD, if permitted by their home institution.

Late Start/Accelerated
Courses designated as late start/accelerated have varying start and end dates compared to the traditional 15-week semester courses.

Major
The field of academic study in which you specialize. The selected major will determine which courses are required for your program of study.

Prerequisite
If a course has a prerequisite, you must have certain knowledge to be successful in the course. The prior knowledge may be demonstrated through a test score or a successful completion of a prior course (ex. must have completed ENG 0092 with a grade of C or better). Completion of the prerequisite is required prior to enrolling in the course. Grades of U/D, U/F, D, F, W, or incomplete are not acceptable. It is your obligation to know and meet course prerequisites as stated in the course description section of the CCD catalog and the web course schedule. Prerequisites will be checked at registration and you may be dropped if a prerequisite is not met.

Sequence
Set of two or more courses in one subject area usually taken in numerical order (ex. ENG 1021, ENG 1022).

Withdrawal Date
The last date you can drop a class and receive a grade of W. No refund will be given for classes withdrawn from after the census date. You must withdraw from your course(s) via your CCDConnect account. If you stop attending classes without withdrawing, you will receive failing grades. The withdrawal date varies depending upon the length of the course. You should refer to your schedule of classes to determine the withdrawal date for each course.

CCD Resources

ACCESSIBILITY CENTER
CCD.edu/Access | 303.556.3300 | Confluence Building, Room 121

The Accessibility Center provides accommodations and services to students with documented disabilities in order to provide equal access to all programs, services and activities offered at CCD.Students with disability documentation who need accommodations, such as sign language interpretation, alternative media production, extended time for testing, etc. should connect with the Accessibility Center.

CCD complies with and fully supports Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act Amendments Act (ADAAA), regarding nondiscrimination on the basis of disability.

QUESTIONS?
Office for Civil Rights
U.S. Department of Education
1244 Speer Blvd., Suite. 300
Denver, CO 80204-3582

US Department of Education (Office of Civil Rights) | http://www2.ed.gov/about/offices/list/ocr/know.html

CAMPUS TOURS
CCD.edu/Schedule-Your-Visit | 303.352.3166

Campus Tours are available to prospective students and their families. Individual or group tours are available. Campus Tours include an informal presentation about CCD services and a tour of the Auraria Campus.

EXCEL! ZONE TUTORING AND COMPUTER SUPPORT
The EXCEL! Zone is CCD's academic support and tutoring service. EXCEL! provides students with a number of no-cost support services, including subject tutoring, writing help, digital storytelling and technology assistance, individual and group tutoring, study groups, workshops, and specialized learning software, and other knowledge resources. Additionally, CCD offers a limited amount of free online-tutoring support by Brainfuse. As an online resource for a variety of course subjects and writing help, Brainfuse is accessible through a link in the Desire2Learn learning management system.

EXCEL! is a certified tutoring department and our moto is "Work Smarter, Not Harder!" Tutors work towards helping students become independent learners through facilitating individual learning needs and adhering to CCD academic policy and standards. When students become a part of this robust learning environment, data demonstrates improvement in their academic success, learning development, and engagement in a way that enhances personal and professional growth.

CYBER CENTER
The Cyber Center, located on the first floor of the Confluence Building, is a bank of 40 computers that serves as CCD's registration lab for new and current students. You can access CCD's website, CCDConnect and your student email year-round to stay up to date on the college's important dates and events. While you cannot print classwork or access D2L in the Cyber Center, you can apply to CCD as well as complete important registration and financial aid requirements during the enrollment process. The Cyber Center serves as a one-stop-shop for you to get a successful start at CCD and is surrounded by the following offices: Office of Registration and Records, Admissions, Recruitment and Outreach, Financial Aid and Scholarships, Academic Advising and Student Success Center, Cashier's Office, Accessibility Center and Testing Center.

KEYS SUPPORT PROGRAM
Funded by Colorado Department Labor and Employment
CCD.edu/KEYS | 303.352.6342

Through our KEYS Support Program for displaced homemakers, we assist individuals who have spent much of their time caring for family member(s) in the home and/or who have lost their primary source of income and now must support themselves and/or their family. This can be due to a number of factors, which can include but is not limited to divorce, separation and other special circumstances determined by program staff. We assist with:

- tuition/fee assistance
- books and supplies required for major
- GED
- career exploration
- job readiness development
- workshops
- support services

STUDENT LIFE
CCD.edu/StudentLife | 303.556.2597 | Tivoli Student Union, Room 206

Student Life provides opportunities for personal and social growth outside of the classroom. Student Life offers a variety of services, including

- referrals for day care, health, housing, and employment services,
- in-house food bank and textbook lending library to help students who are struggling financially,
- Student Government Association,
- student organizations and clubs,
- leadership training, and
- student conduct procedures oversight.

TESTING CENTER
CCD.edu/Testing

The Testing Center offers a variety of testing services, including

- assessment testing for English, and math placement,
- placement exams for Spanish, French, Chinese, German, and biology,
- Prior Learning Assessment, such as CLEP and DANTES,
- licensure exams and entrance exams, such as the Graduate Record Exam (GRE) and Test of English as a Foreign Language (TOEFL), and Praxis,
- GED testing, and Castle, Cectipoct, Comira, DFD, HiSET, TASC, Kryterion, PearsonVue, TEAS & Critical Thinking, WorkKeys,
- test proctoring for CCD and distance learning students.

TRANSCRIPT REQUESTS
You may request copies of your CCD academic records from the Office of Registration and Records. All transcripts must be requested in writing or ordered online through your student account at CCD.edu/Transcripts.

Transcripts will not be released for you if you have financial or academic holds on your account. This includes past due balances and other financial obligations due to CCD or any other Colorado community college.

The cost of transcripts depends on the service option selected by you. See the chart below for available service options and charges. Payments may be made by cash, check or credit card and are due at the time of the request. Processing time does not include delivery time. Transcripts are processed within the time specified, sent to the Auraria Campus mail room and forwarded on to USPS.

Transcripts requested for pick-up will be destroyed if not picked up within 30 days of the request.

SERVICE OPTIONS AVAILABLE

Service Option (electric or paper)	Delivery Option	Service Charge[1]
Electronic Transcript	Electronic	$3.00 each
Paper Transcript (Mailed)	Standard USPS	$3.00 each
Paper Transcript	Pick-up	$10.00 each
Paper Transcript with Attachment (Mailed)	Standard USPS	$10.00 each
Paper Transcript with Attachment	Pick-up	$10.00 each

[1] Prices subject to change. Expedited mailing incurs an additional fee.

TRIO PROGRAMS
TRIO Programs - Funded by the U.S. Department of Education

EDUCATIONAL OPPORTUNITY CENTER (EOC)
CCD.edu/EOC | 303.352.8746 (TRIO) | Cherry Creek Building, Suite 137

The Educational Opportunity Center (EOC) is a community service program that provides educational planning, information and assistance. These services, which are free and open to the general public, include:

- career counseling
- college/university admission
- vocational-technical school enrollment
- academic assessment coordination
- federal and state student financial aid application (FAFSA) assistance
- scholarships search assistance
- educational planning workshops

STUDENT SUPPORT SERVICES (SSS)
CCD.edu/TRIO | 303.352.TRIO | Cherry Creek Building, Suite 137

TRIO Student Support Services (SSS) is a federally funded program that works specifically with students overcoming obstacles to education, including limited income, first generation to college and disability. The SSS staff and peer mentors empower students to graduate from Community College of Denver and transfer to a four-year institution of choice by providing them with services that include:

- academic planning
- tutoring and skills development
- applying for financial aid and scholarships
- career development
- social and cultural activities that broaden their perspectives

Summer Bridge Program
CCD.edu/SummerBridge | 303.352.TRIO

Prior to each fall semester, TRIO SSS facilitates a Summer Bridge Program to incoming freshman who are starting college in the fall. The TRIO Summer Bridge program provides an educational foundation to program participants to develop their skills for a successful first semester and beyond. Students are connected to faculty and staff to build a sense of community and introduce them to available resources on campus. During the TRIO Summer Bridge Program, students are also given services that

- Prepares students for classes.
- Teaches students about financial assistance.
- Provide an exploration of career options.
- Offer a variety of enrichment activities.

VETERAN SUPPORT SERVICES
CCD.edu/Veterans

Veterans seeking Veterans Affairs (VA) educational benefits must apply through the VA website (GIBill.va.gov). It is the veteran's responsibility to assemble and submit all needed materials to the VA Regional Office and CCD's VA Certifying Official.

CCD's VA Certifying Official provides information about veterans' benefits and certifies enrollment throughout the veteran's attendance at the college. It is the veteran's responsibility to notify CCD's VA Certifying Official of any registration updates.

Veterans who are eligible for educational benefits may apply for advanced payment with CCD's VA Certifying Official. The last day to apply for advanced payment is 30 days prior to the first day of classes. Although students may apply for advanced payment, the VA may not issue funds prior to the first day of class. Students must pay their tuition in full or set up a payment plan by the deadline posted at CCD.edu/Academic-Calendar.

For more information, visit the VA Certifying Official in the Office of Registration and Records or visit CCD.edu/Veterans.

REQUIRED DOCUMENTATION
Students must provide all of the following documents to CCD's VA Certifying Official before CCD will begin the VA Certifying Process:

- Copy of original application for benefits (22-1990 or 22-5490) or change of training place (22-1995 or 22-5495).
- Copy of the Certificate of Eligibility (sent by the VA to eligible students six to eight weeks after the student has applied for benefits).
- VA Enrollment Form (available at CCD.edu/Veterans).
- Notice of Student Responsibility Form (available at CCD.edu/Veterans).
- Copy of DD 214 member 4

COURSE SELECTION
The VA does not generally pay for courses that are not required for the student's program of study. VA benefits cannot be used towards a repeated course that has been successfully completed, even if the student intends on repeating the course in order to raise their cumulative GPA. A course for which a grade of D was assigned may be repeated if a higher grade is required for the program of study. The VA will not pay for online developmental courses. Only developmental courses taken on campus are eligible for VA benefits.

CCD's VA Certifying Official will send certification of classes to the VA once the student has registered and submitted the required documentation. If students increase or decrease their credit hours after the initial certification has been submitted, it can result in significant delays to benefits and may also increase the likelihood of overpayment.

ATTENDANCE
Students who stop attending class but do not officially withdraw will earn an F grade for the course. Veterans who fail to inform CCD's VA Certifying Official that they have stopped attending a course may receive an overpayment or debt notification from the VA.

OVERPAYMENT
An overpayment may occur if a student withdraws, drops, or decreases the number of credit hours for which they are registered. Courses dropped on or after the start date will create a student debt. It is the responsibility of the student to pay back the VA if an overpayment occurs. For questions concerning this, please ask CCD's VA School Certifying Official.

VETERANS' ACADEMIC STANDARDS OF PROGRESS
Students using VA educational benefits are responsible for following CCD's academic progress policy, which explains student GPA requirements and academic probation processes.

SPECIAL GRADES
AU - The VA will not certify a grade of AU, which indicates that a course was audited or taken for no credit.

I - An incomplete or I grade must be made up no later than the next consecutive 15-week semester. If an I grade is not completed during the required period, the incomplete will become an F and the veteran's enrollment certification will be adjusted back to the beginning date of the term in which the I grade was received.

MITIGATING CIRCUMSTANCES FOR VETERANS
When mitigating circumstances prevail, CCD will attempt to intervene on behalf of the veteran with the Veterans Administration. Mitigating circumstances (as defined by P.L. 94-502) that directly hinder an eligible veteran's or dependent's pursuit of a course and are judged to be out of the student's control include but are not limited to:

- serious illness of the eligible veteran or dependent.
- serious illness or death in the eligible veteran's or other dependent's immediate family.
- immediate family or financial obligations that require a change in terms or place of employment and preclude the veteran or dependent from pursuing coursework.
- the college discontinues a course.
- active military duty, including active duty for training.
- withdrawal from a course or receipt of a non-punitive grade upon completion of a course because of unsatisfactory work may be considered mitigating circumstances if the student can demonstrate good faith pursuit of the course up to the point of withdrawal or completion. Students must submit evidence that they applied for tutorial aid, consulted CCD's VA Certifying Official, or consulted a CCD academic advisor in an attempt to remedy the unsatisfactory work before withdrawal or completion.

Campus Services

Auraria Higher Education Center
www.AHEC.edu

The Auraria Campus is a dynamic and vibrant higher education community located in the heart of downtown Denver. The 150-acre campus is shared by three separate and distinct institutions of higher learning: Community College of Denver, Metropolitan State University of Denver, and University of Colorado Denver. The Auraria Higher Education Center is a separate state entity whose role is to provide and manage shared services, facilities and property to support these prominent institutions in achieving their goals. The collective student population is nearly 42,000, with an additional 5,000 faculty and staff.

Auraria Early Learning Center
www.AHEC.edu | 303.556.3188

The Auraria Early Learning Center (AELC), a four-star Colorado Shines-rated center, provides full- and part-time programs for children 12-months to 5-years-old with a fully accredited kindergarten program and summer camp for children through age 8. The center serves the students, faculty and staff of the Auraria Campus and is fully licensed by the Colorado Department of Human Services

Auraria Library
Library.Auraria.edu

The Auraria Library provides a wide range of learning resources, research services, and study environments to support student learning. The Auraria Library collection contains nearly one million print books and e-books, more than 65,000 print and e-journals, and media including CDs, DVDs, and streaming videos. Nearly 300 databases provide access to full-text articles, journal citations, images, statistics, legal and business data, and a multitude of other disciplines. These materials can be found at the Auraria Library website, Library.Auraria.edu.

Ask Us Desk
You may visit the "Ask Us Desk" for assistance with basic research questions, to borrow items for a class (Course Reserves) or from the library's collection, to request materials from regional libraries, via Prospector, or from national libraries, via inter-library loan, and more.

For more in-depth research questions, visit the "Research Help Desk" or go to the "Ask A Librarian" website Library.Auraria.edu/services/askus where you can contact librarians who are able to assist you via walk-in, appointment, phone, email, IM or text message.

For more information about Auraria Library services, call 303.556.2639.

LGBTQ Student Resource Center
GLBTSS.org | 303.615.0515 | Tivoli Student Union, Room 213

The Lesbian, Gay, Bisexual, Transgender & Queer Student Resource Center offers support, educational programs, special events, and advocacy services for Auraria Campus students exploring sexual orientation and gender identity issues.

Health Center at Auraria
MSUDenver.edu/HealthCenter | 303.556.2525 | Plaza Building, Suite 150

CCD students who are enrolled in at least one credit hour and have a current student ID are eligible for services at the Health Center at Auraria. The facility is staffed by physicians, physician assistants, nurse practitioners, radiology technologists, and medical assistants. The Health Center provides low-cost services. These include, but are not limited to, immunizations, treatment of illness and injuries, lab testing, medications, physical exams, annual gynecological exams, sexually transmitted disease information and testing, birth control information/services, minor surgery, cholesterol screening, HIV testing, blood pressure checks, casting, suturing, and X-rays.

Payment is required at time of service. While student health insurance is not required to use the Health Center at Auraria, the facility is an in-network specialty provider for Blue Cross/Blue Shield (BC/BS) insurance. BC/BS members should have their BC/BS card available when seeking care. Free health related classes are also offered to students each semester.

Parking & Transportation Services at Auraria
AHEC.edu/Parking | 303.556.2000 | 7th Street Parking Garage, First Floor

Parking is available in daily fee lots. Check the campus map or view the parking map online. A limited number of permits are available as are pre-paid parking passes. Both are sold at the beginning of each semester. Four-hour parking meters are available for student use on the east side of the Cherry Creek Building.

Parking and Transportation Services also offers the following services:

- carpool parking discounts,
- free on-campus transportation for persons with disabilities who need a ride to and from the designated stops within the boundaries of campus and to CU Denver buildings located across Speer Boulevard. Call (303.556.2001), and
- If you're on campus after the sun goes down, a safe ride to your car is available. Please call or text the Auraria Campus Police Department and they will send an officer to escort you to your vehicle or to your destination within the boundaries of campus. Call ACPD Dispatch at 303.556.5000 or text at 720.593.8477
- Parking & Transportation Services offers a free-of-charge Motorist Assistance Program for customers who have vehicle issues while on campus. Call for help to jump-start batteries or to provide jumper cables, tire tools, water, and gasoline cans. Call for help at 303-556-2000

The Phoenix Center at Auraria
ThePCA.org | Tivoli Student Union, Room 259

24/7 Free & Confidential Helpline: 303.556.CALL (2255)

The PCA provides free support services, education, training, referral for people who have experienced relationship violence, sexual assault, or stalking.

HELPFUL CONTACT INFORMATION

Admissions, Recruitment & Outreach
CCD.edu/Admission | 303.556.2600 | Confluence Building, Room 115

Academic Advising & Student Success Center
CCD.edu/Advising | 303.556.2481 | Confluence Building, Room 123

Accessibility Center
CCD.edu/Access | 303.556.3300 | Confluence Building, Room 121

Care Team
CCD.edu/Care | 303.352-3502 | Tivoli Student Union, Room 243

Cashier's Office
CCD.edu/Cashier | 303.556.2075 | Confluence Building, Room 119

Center for Health Sciences at Lowry
CCD.edu/Health | 303.365.8300 | 1070 Alton Way, Denver, CO 80230

Educational Opportunity Center
CCD.edu/EOC | 303.352.TRIO (8746) | Cherry Creek Building, Room 137

Financial Aid & Scholarships
CCD.edu/FinAid | 303.556.5503 | Confluence Building, Room 120

First Year Experience Program
CCD.edu/FYE | 303.556.4964 | Cherry Creek Building, Room 141

Health Center at Auraria
MSUDenver.edu/HealthCenter | 303.556.2525 | Plaza Building, Room 150

Registration & Records
CCD.edu/ORR | 303.556.2420 | Confluence Building, Room 114

Student Programming, Activities & Resource Center (SPARC)
CCD.edu/StudentLife | 303.556.2597 | Tivoli Student Union, Room 260

Testing Center
CCD.edu/Testing | 303.352.6810 | Confluence Building, Room 216

TRIO Student Support Services
CCD.edu/TRIO | 303.352.8746 | Cherry Creek Building, Room 137

PROGRAMS & COURSES

About This Section

You can choose from more than 100 degrees and certificates in 45 different programs of study that prepare you for a new career or for transfer to a four-year school.

Start Here
- A-Z List of Academic Programs
- Academic Pathways
- Academic Terms
- Certificates & Degrees
- Course Descriptions
- Contact Deans & Program Chairs
- College Directory

LIST OF ACADEMIC PROGRAMS

Our general Associate of Arts/Associate of Science programs of study can be customized to include transferable courses for almost any Bachelor's degree. All general AA/AS students are encouraged to meet with an academic advisor to get a personalized plan.

Program Name	Degree Type
Associate of Arts	Associate of Arts
Associate of Science	Associate of Science

Program Name	Degree Type
ACCOUNTING PROGRAM	
- Accounting	Associate of Applied Science
- Accounting Transfer	Associate of Applied Science
- Bookkeeping/Payroll	Certificate
- Tax Preparation	Certificate
ANTHROPOLOGY PROGRAM	
- Anthropology Transfer Major	Associate of Arts[1]
APPLIED TECHNOLOGY PROGRAM	
- Applied Technology	Associate of Applied Science
ARCHITECTURAL TECHNOLOGY PROGRAM	
- Architectural Technologies	Associate of Applied Science
- Architectural Studies	Associate of Applied Science
- Contemporary Building Technology	Certificate
- Digital Design Media	Certificate
- Sustainable Design	Certificate
- Basic Building Crafts	Certificate
- Advanced Building Crafts	Certificate
BIOLOGY PROGRAM	
- Biology Transfer Major	Associate of Science[1]
BUSINESS ADMINISTRATION PROGRAM	
- Business Transfer Major	Associate of Arts[1]
- Management	Associate of Applied Science
- Marketing	Associate of Applied Science
- Customer Service	Certificate
- Entrepreneurship	Certificate
- Supply Chain Management	Certificate
CANNABIS SCIENCE & OPERATIONS	
- Cannabis Business	Associate of Applied Science Degree
- Cannabis Science & Operations	Bachelor of Applied Science
CHEMISTRY PROGRAM	
- Chemistry Transfer Major	Associate of Science[1]
COMMUNICATION PROGRAM	
- Communication Transfer Major	Associate of Arts[1]
COUNSELING PROGRAM	
- Certified Addiction Technician	Certificate
CRIMINAL JUSTICE PROGRAM	
- Criminal Justice Transfer Major	Associate of Arts[1]
- Criminal Justice	Associate of Applied Science
- Homeland Security	Certificate
- Law Enforcement	Certificate
DENTAL HYGIENE PROGRAM	
- Dental Hygiene	Associate of Applied Science
- Dental Hygiene	Bachelor of Applied Science
EARLY CHILDHOOD EDUCATION PROGRAM	
- Early Childhood Teacher Education Transfer Major	Associate of Arts[1]
- Early Childhood Education Director	Certificate
- Early Childhood Education Teacher, Level I	Certificate
- Para-Professional Educator	Certificate
ECONOMICS PROGRAM	
- Economics Transfer Major	Associate of Arts[1]
ELEMENTARY EDUCATION PROGRAM	
- Elementary Education Transfer Major	Associate of Arts[1]
EMERGENCY MEDICAL SERVICE	
- Emergency Medical Technician	Certificate
ENGINEERING	
- Civil Engineering Transfer	Associate of Science
- Electrical Engineering Transfer	Associate of Science
- Mechanical Engineering Transfer	Associate of Science
- Civil Engineering Transfer	Associate of Engineering Science
- Engineering Transfer	Associate of Engineering Science
- Mechanical Engineering Transfer	Associate of Engineering Science
ENGLISH PROGRAM	
- Creative Writing Transfer	Associate of Arts
- English-Literature Emphasis Transfer Major	Associate of Arts[1]
ENVIRONMENTAL SCIENCE	
- Environmental Science	Associate of Science
FABRICATION WELDING PROGRAM	
- Fabrication Welder	Associate of Applied Science
- Basic Welding	Certificate
- Intermediate Welding	Certificate
- ARC Welder	Certificate
- Fabrication Welder	Certificate
- Creative Metalworking	Certificate
GEOLOGY PROGRAM	
- Geology Designation	Associate of Science[1]
GRAPHIC DESIGN PROGRAM	
- Graphic Design	Associate of Applied Science
- Graphic Design Transfer	Associate of Arts[1]
- Graphic Design	Certificate
HEALTH & EXERCISE SCIENCE	
- Health & Exercise Science	Associate of Science
- Personal Trainer	Certificate
HEALTHCARE INFORMATICS	
- HealthCare Informatics	Bachelor of Applied Science
HISTORY PROGRAM	
- History Designation	Associate of Arts[1]
HUMAN SERVICES PROGRAM	
- Human Services Transfer	Associate of Applied Science
- Human Services Pre-Social Work	Associate of Applied Science
INFORMATION TECHNOLOGY PROGRAM	
- Computer Science Transfer Major	Associate of Science[1]
- Computer Information Systems	Associate of Applied Science
- Cybersecurity	Associate of Applied Science
- Information Technology	Associate of Applied Science
- Computer Technology	Certificate

- Computer Service and Support	Certificate
- Cybersecurity	Certificate
- Data Analytics	Certificate
- Healthcare	Certificate
- Network Security	Certificate
JOURNALISM PROGRAM	
- Journalism Transfer Major	Associate of Arts[1]
MACHINE TECHNOLOGY PROGRAM	
- CNC Manufacturing	Associate of Applied Science
- Basic Machining	Certificate
- Intermediate Machining	Certificate
- CNC Machine Tool Operator	Certificate
- Industrial Maintenance Technologies	Certificate
MATHEMATICS PROGRAM	
- Mathematics Transfer Major	Associate of Science[1]
MEDICAL ASSISTING PROGRAM	
- Medical Assisting	Associate of Applied Science
- Medical Assisting	Certificate
MUSIC PROGRAM	
- Music Transfer Major	Associate of Arts[1]
- Recording Arts Technology	Associate of Applied Science
- Recording Arts Technology	Certificate
NURSING PROGRAM	
- Integrated Nursing Pathway	Associate of General Studies
- Practical Nursing	Certificate
NURSE AIDE PROGRAM	
- Nurse Aide	Certificate
NUTRITION PROGRAM	
- Nurtirion	Associate of Science
- Food, Nutrition & Wellness	Certificate
PARALEGAL PROGRAM	
- Paralegal	Associate of Applied Science
- Paralegal Transfer	Associate of Applied Science
- General Paralegal	Certificate
PHILOSOPHY PROGRAM	
- Philosophy Transfer Major	Associate of Arts[1]
PHLEBOTOMY PROGRAM	
- Phlebotomy	Certificate
PHYSICS PROGRAM	
- Physics Transfer Major	Associate of Science[1]
POLITICAL SCIENCE PROGRAM	
- Political Science Transfer Major	Associate of Arts[1]
PSYCHOLOGY DESIGNATION	
- Psychology Transfer Major	Associate of Arts[1]
- Psychology Transfer Major	Associate of Science[1]
PUBLIC HEALTH	
- Public Health Transfer	Associate of Arts
RADIOLOGIC TECHNOLOGY PROGRAM	
- Radiologic Technology	Associate of Applied Science
- Computed Tomography	Certificate
- Mammography	Certificate
- Magnetic Resonance Imagining	Certificate
SOCIOLOGY DESIGNATION	
- Sociology Transfer Major	Associate of Arts[1]
SURGICAL TECHNOLOGY PROGRAM	
- Surgical Technology	Associate of Applied Science
- Sterile Processing Technology	Certificate

THEATRE PROGRAM	
- Theatre Transfer Major	Associate of Arts[1]
- Technical Theatre	Associate of Applied Science
- Theatre Technology Basics	Certificate
VETERINARY TECHNOLOGY PROGRAM	
- Veterinary Technology	Associate of Applied Science
- Veterinary Technology Assistant	Certificate
DEGREES	
Statewide Transfer Majors/ Degrees with Designation	
Associate of General Studies	
Bachelor & Associate of Applied Science & Certificates	Associate of Applied Science

[1] Denotes a "Degree with Designation" (DWD) that has a statewide transfer degree plan or a statewide transfer articulation program in place and is fully transferable in its entirety into any Colorado public four-year program. DWDs are awarded with a specific program designation major on the transcript. See an academic advisor for more information.

ACADEMIC PATHWAYS

All programs and majors are organized into eight advising pathways, each with their own advising specialist. Advising at CCD is based around a one-student, one-advisor model, meaning you will ideally meet with one academic advisor throughout your entire academic career at CCD. This strengthens that connection and serves as a single point of contact for your advising questions, general concerns, campus resources and success support.

New and transfer students are assigned an advisor based on your declared program or major within two weeks after each semester begins. The Academic Advising and Student Success Center on the first floor of the Confluence Building is the place to go to connect with academic advisors.

Pathways

- Arts, Communication & Design
- Business
- Education
- Health Sciences
- Manufacturing
- Public Safety & Legal Services
- Science, Technology, Engineering & Math (STEM)
- Social & Behavioral Sciences

Arts, Communication & Design Pathway

In the pathway of Arts, Communication and Design, you will form a foundation for an array of learning, develop a broad understanding of the world and gain the ability to think critically and communicate effectively. You'll be prepared for a variety of professions in rapidly evolving fields and use this foundation as a base to transfer to a four-year college or university.

Program Name	Degree Type
ASSOCIATE OF ARTS	
- Associate of Arts Transfer Major	Associate of Arts[1]
ARCHITECTURAL TECHNOLOGY PROGRAM	
- Architectural Technologies	Associate of Applied Science
- Architectural Studies	Associate of Applied Science
- Contemporary Building Technology	Certificate
- Digital Design Media	Certificate
- Sustainable Design	Certificate
- Basic Building Crafts	Certificate
- Advanced Building Crafts	Certificate
COMMUNICATION PROGRAM	
- Communication Transfer Major	Associate of Arts[1]
ENGLISH PROGRAM	
- Creative Writing Transfer	Associate of Arts
- English-Literature Emphasis Transfer Major	Associate of Arts[1]
GRAPHIC DESIGN PROGRAM	
- Graphic Design	Associate of Applied Science
- Graphic Design Transfer	Associate of Arts[1]
- Graphic Design	Certificate
JOURNALISM PROGRAM	
- Journalism Transfer Major	Associate of Arts
MUSIC PROGRAM	
- Music Transfer Major	Associate of Arts[1]
- Recording Arts Technology	Associate of Applied Science
- Recording Arts Technology	Certificate
PHILOSOPHY PROGRAM	
- Philosophy Transfer Major	Associate of Arts[1]
THEATRE PROGRAM	
- Theatre Transfer Major	Associate of Arts[1]
- Technical Theatre	Associate of Applied Science
- Theatre Technology Basics	Certificate

[1] Denotes a "Transfer Major" that has a statewide transfer degree plan or a statewide transfer articulation program in place and is fully transferable in its entirety into any Colorado public four-year program. Transfer Majors are awarded with a specific program designation major on the transcript. See an academic advisor for more information.

Architectural Technologies

Associate of Applied Science Degree
Arts, Communication & Design Pathway
CCD.edu/Architecture

The next generation of architectural designers will be challenged to give shape to a sustainable world. CCD's architectural technology programs are designed to provide a springboard into a rewarding career, whether it involves transfer into a four-year degree program or direct employment within the design community as an architectural technologist paraprofessional. CCD's pathways offer a balance of technical skill training with the development of collaborative design-thinking abilities that are crucial to solving the complex range of today's building tasks. Community College of Denver currently offers two Associate of Applied Science degrees in architectural technology.

- Architectural Technologies
- Architectural Studies

Architectural Technologies
This degree prepares you for a career as an architectural technologist, whose primary role is in the development of detailed design for the construction and renovation of buildings to meet the needs of a sustainable world. The focus of the curriculum is on the knowledge base and decision-making processes involved with shaping building form and assembling architectural materials and components in a manner that supports minimal energy and resource consumption and produces functional, robust architecture. This direct-to-work degree features elective choices that enable students to craft an individually unique skill set upon completion.

Three possible concentrations are reflected by embedded Certificates: the Contemporary Building Technology certificate, the Sustainable Design certificate, and the Digital Design Media certificate.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. Meet with the program chair or your academic advisor to discuss this program.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 1110	History of Architecture	3
ENG 1021	English Composition I: GT-CO1 [1]	3
MAT 1340	College Algebra: GT-MA1	4
COM 1250	Interpersonal Communication: GT-SS3	3
Choose One Course		3
ART 1201	Drawing I	
ART 1002	Visual Concepts 2-D Design	
	Subtotal	**16**
Second Semester		
AEC 1100	Introduction to Design Theory	3
AEC 1500	Building Science	3
AEC 2220	Architectural Graphics	3
PHY 1105	Conceptual Physics with Lab: GT-SC1	4
Choose One Course		2-3
AEC 1600	Construction Practices and Documents	

	ART 1401	Digital Photography I	
		Subtotal	**15-16**
Third Semester			
AEC 1501		Building Structures	3
AEC 2300		Sustainable Building Systems	3
CAD 2220		Revit Architecture	3
Choose One Course			3-4
	CAD 1101	Computer Aided Drafting I	
	ENV 1111	Environmental Science with Lab: GT-SC1	
Choose One Course			3
	CAD 1110	Sketchup	
	CAD 1115	Rhino	
		Subtotal	**15-16**
Fourth Semester			
AEC 2089		Capstone	6
Choose One Course			3
	CAD 2221	Advanced Revit Architecture	
	AEC 2310	LEED Exam Preparation	
Choose One Course			3
	AEC 2700	International Building Codes	
	MGD 1001	Introduction to Computer Graphics	
Choose One Course			3
	AEC 1502	Building Detailing	
	AEC 2221	Architectural Visualization Concepts	
	AEC 2080	Internship	
		Subtotal	**15**
		Total Credits	**61-63**

Architectural Studies

This program prepares students for transfer into four-year undergraduate programs in architecture.

CCD advises students interested in this pathway to consult CCD Advising and the Architectural Technology Program Chair as well as the anticipated transfer institution for development of the most optimal selection of available electives.

Course	Title	Credits
First Semester		
AEC 1110	History of Architecture	3
ENG 1021	English Composition I: GT-CO1	3
MAT 1340	College Algebra: GT-MA1	4
Choose One Course		3
ART 1201	Drawing I	
ART 1002	Visual Concepts 2-D Design	
Choose One Course		3
GEO 1005	World Regional Geography: GT-SS2	
GEO 1006	Human Geography: GT-SS2	
	Subtotal	**16**
Second Semester		
AEC 1100	Introduction to Design Theory	3
AEC 1500	Building Science	3
AEC 2220	Architectural Graphics	3
ENG 1022	English Composition II: GT-CO2	3
MAT 1420	College Trigonometry: GT-MA1	3
	Subtotal	**15**
Third Semester		
AEC 1501	Building Structures	3
PHY 1111	Physics Algebra-Based I with Lab: GT-SC1	5
Choose One Course		3
HUM 1021	Humanities: Early Civilization: GT-AH2	
PHI 2018	Environmental Ethics: GT-AH3	
Choose One Course		3
CAD 2220	Revit Architecture	

	CAD 1115	Rhino	
		Subtotal	**14**
Fourth Semester			
AEC 2089		Capstone	6
AEC 1502		Building Detailing	3
AEC 2221		Architectural Visualization Concepts	3
Choose One Course			3
	AEC 2300	Sustainable Building Systems	
	AEC 2700	International Building Codes	
		Subtotal	**15**
		Total Credits	**60**

Certificates

Arts, Communication & Design Pathway
CCD.edu/Architecture

Community College of Denver currently offers five certificates in architectural technology. These certificates reflect the core course makeup of each A.A.S. degree concentration. As a student pursuing either of the A.A.S. degrees, you can typically add a fifth full semester to complete any of the certificate concentrations.

Additionally, as a student with a prior bachelor's degree or a mid-career professional seeking to enhance your skill sets, you can complete these certificates without fulfilling additional general education requirements

- Contemporary Building Technology
- Digital Design Media
- Sustainable Design

These two certificates are designed to support a successful career in the building trades as a well-rounded, skilled field worker. Both certificates blend a mix of classroom, digital design and construction learning opportunities.

- Basic Building Crafts
- Advanced Building Crafts

Contemporary Building Technology

This certificate is an embedded set of courses within the Associate of Applied Science degree in architectural technology.

This certificate focuses on two aspects of critical skills necessary for the successful development of robust, sustainable architecture: the knowledge base of architectural materials and components, their selection and proper assembly, and the graphic documentation skills required to communicate their extent and relationships to a builder or fabricator. The successful completion of this certificate can prepare you for employment as an entry-level architectural technologist and drafter.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 1500	Building Science	3
AEC 2220	Architectural Graphics	3
AEC 1600	Construction Practices and Documents	2
CAD 2220	Revit Architecture	3
AEC 1501	Building Structures	3
	Subtotal	**14**
Second Semester		
CAD 2221	Advanced Revit Architecture	3
AEC 2700	International Building Codes	3
Choose One Course		3
AEC 1502	Building Detailing	
AEC 2080	Internship	
Choose One Course		3
CAD 1101	Computer Aided Drafting I	

Course	Title	Credits
CAD 1110	Sketchup	
	Subtotal	**12**
	Total Credits	**26**

Digital Design Media

This certificate is an embedded set of courses within the Associate of Applied Science degree in architectural technology.

Increasing specialization within architecturally related design practices — particularly larger ones — has created niches for individuals with interest and skills in 2- and 3-D project visualization and presentation. Technologists with training in a wide variety of digital media will be in growing demand as client and user expectations for these kinds of products and services during a typical project design process grow.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 1500	Building Science	3
AEC 2220	Architectural Graphics	3
CAD 1101	Computer Aided Drafting I	3
CAD 2220	Revit Architecture	3
MGD 1001	Introduction to Computer Graphics	3
	Subtotal	**15**
Second Semester		
CAD 2221	Advanced Revit Architecture	3
AEC 2221	Architectural Visualization Concepts	3
CAD 1115	Rhino	3
CAD 1110	Sketchup	3
Choose One Course		3
AEC 1502	Building Detailing	
AEC 2080	Internship	
	Subtotal	**15**
	Total Credits	**30**

Sustainable Design

This certificate is an embedded set of courses within the Associate of Applied Science degree in architectural technology.

Sustainable design as a client and end-user expectation is a fast-developing aspect of current architectural practice, and the sometimes-complex administration of green building certification is increasingly taken up by a specialized staff of consultants dedicated to these particular tasks within a larger design team. This certificate enables you to pursue foundational studies in this emerging area of specialization.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 1500	Building Science	3
ENV 1111	Environmental Science with Lab: GT-SC1	4
AEC 2300	Sustainable Building Systems	3
CAD 1110	Sketchup	3
PHI 2018	Environmental Ethics: GT-AH3	3
	Subtotal	**16**
Second Semester		
CAD 2220	Revit Architecture	3
AEC 2310	LEED Exam Preparation	3
AEC 1600	Construction Practices and Documents	2
Choose One Course		3
AEC 1502	Building Detailing	
AEC 2080	Internship	
	Subtotal	**11**
	Total Credits	**27**

Basic Building Crafts

This certificate prepares you with a combination of conceptual and manual learning, centered around light-frame construction, to enable competitive entry-level employment in the building industry with skills that bridge design thinking with field work.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 1231	Residential Construction Drawing	4
AEC 1220	Architectural Drawing Theory	4
AEC 1520	Construction Materials and Systems	3
AEC 1600	Construction Practices and Documents	2
AEC 2080	Internship	3
	Subtotal	**16**
	Total Credits	**16**

Advanced Building Crafts

This certificate is intended to build on the coursework and field experience acquired through the completion of the basic building crafts certificate. The advanced certificate develops skills in digital construction documentation, building code principles, and connects classroom design and documentation training with relevant field experience.

Successful completion of the basic certificate will be a prerequisite for pursuit of the advanced certificate.

This certificate can support transfer into the A.A.S. in architectural technologies.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 1232	Commercial Construction Drawing	4
AEC 2700	International Building Codes	3
CAD 2220	Revit Architecture	3
CAD 2204	AutoCAD Architecture	3
AEC 2087	Cooperative Education	3
	Subtotal	**16**
	Total Credits	**16**

Communication

Associate of Arts Degree

Arts, Communication & Design Pathway
CCD.edu/Communication

Communication Transfer Major

Are you a people-person? Are you interested in the way communication shapes our personal, professional and public experiences? The Associate of Arts (A.A.) degree with a designation in communication may be for you! This degree is designed for you to graduate and transfer to a four-year institution to complete a bachelor's degree in communication.

This two-year degree allows you to get a head-start on studying your area of interest while completing the rest of the general education requirements for an A.A. You'll improve your communication skills by engaging in courses that focus on presentational speaking, interpersonal relations, small group interaction and intercultural exchange. As a graduate of this program, you can complete your bachelor's degree within two additional years, which would qualify you to work in a variety of sectors. Communication graduates are employed in a range of fields, including public relations, corporate communication, advertising, marketing, business, non-profit, social services, media, journalism, politics, education and more.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [1]	3

COM 1250	Interpersonal Communication: GT-SS3	3
HUM 1023	Humanities: Modern World: GT-AH2	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
ENG 1021	English Composition I: GT-CO1	
LIT 1015	Introduction to Literature I: GT-AH2	
SPA 2061	Spanish Language for Heritage and Intermediate-Mid Speakers: GT-AH4	
THE 1005	Theatre Appreciation: GT-AH1	
PHI 1011	Intro to Philosophy: GT-AH3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
COM 2300	Intercultural Communication: GT-SS3	
COM 2220	Group Communication: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
JOU 1005	Introduction to Mass Media: GT-SS3	
PSC 1011	American Government: GT-SS1	
	Subtotal	**15**

Second Semester

COM 1150	Public Speaking	3
ENG 1022	English Composition II: GT-CO2 [1]	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
Choose One History Course (GT-HI1)		3
HIS 2105	Women in U.S. History: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
HIS 2145	US History Since 1945: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2110	African American History: GT-HI1	
Choose One Elective Course		3-5
JOU 1006	Media News and Reporting	
JOU 2025	New Media	
MGD 1001	Introduction to Computer Graphics	
ASL 1121	American Sign Language I	
FRE 1011	French Language I	
SPA 1011	Spanish Language I	
	Subtotal	**16-18**

Third Semester

COM 2300	Intercultural Communication: GT-SS3	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 1001	Cultural Anthropology: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
PSC 2020	Intro to Political Science: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
Choose One Elective Course		3-5
JOU 1006	Media News and Reporting	
JOU 2025	New Media	
MGD 1011	Adobe Photoshop I	
ASL 1122	American Sign Language II	
FRE 1012	French Language II	
SPA 1012	Spanish Language II	
	Subtotal	**13-15**

Fourth Semester

COM 2220	Group Communication: GT-SS3	3

COM 1010	Communicating through Technology	1
Choose One Elective Course		3
JOU 2031	Introduction to Public Relations	
MGD 1013	Adobe InDesign	
FRE 2011	French Language III: GT-AH4	
SPA 2011	Spanish Language III: GT-AH4	
Choose One Communication Course		3
COM 1105	Career Communication	
COM 1260	Communication in Healthcare	
COM 1300	Communication and Popular Culture: GT-AH1	
COM 2080	Internship	
COM 2250	Organizational Communication	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
GEO 1005	World Regional Geography: GT-SS2	
GEO 1006	Human Geography: GT-SS2	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		3
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
GEY 1108	Geology of National Parks GT-SC2	
	Subtotal	**16**
	Total Credits	**60-64**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

NOTE: Additional COM courses beyond the four courses (12 credit hours) identified above in the additional required courses section may not count toward the communication major at the receiving four-year institution.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

English

Associate of Arts Degree
Arts, Communication & Design Pathway
CCD.edu/English

English-Literature Emphasis Transfer Major
Do you like language? Are you fascinated by stories? Are you interested in how people have told stories to bring order and purpose to their lives? If so, you might be an English major! Our curriculum is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a university to complete a Bachelor of Arts (B.A.) in English with a literature emphasis.

In this program, you will learn to read and write thoughtfully by engaging with some of the world's greatest minds from a variety of the world's great cultures. As you progress through our highly interactive courses, you will not only explore a variety of intriguing characters and wrestle with fascinating moral dilemmas, but you will also hone your particular perspective on life's purposes as well.

Throughout this process, you will gain invaluable reading, writing and thinking skills that will apply to an endless number of careers, including media, public relations, law, marketing, advertising and teaching. Finally, as you take the last courses in our curriculum, you will be ready for the next step: the transfer to a university, where you will complete the second half of a B.A. in English.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [1]	3
COM 1250	Interpersonal Communication: GT-SS3	3
LIT 1015	Introduction to Literature I: GT-AH2	3
HUM 1023	Humanities: Modern World: GT-AH2	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
COM 2300	Intercultural Communication: GT-SS3	
COM 2220	Group Communication: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
JOU 1005	Introduction to Mass Media: GT-SS3	
PSC 1011	American Government: GT-SS1	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [1]	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
PHY 1105	Conceptual Physics with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
Choose One History Course (GT-HI1)		3
HIS 2005	Women in World History: GT-HI1	
HIS 2500	History of Islamic Civilization: GT-HI1	
HIS 2110	African American History: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 2140	Civil War Era in American History: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
Choose One Literature Course (GT-AH2) [4]		3
LIT 2059	Survey of African American Literature: GT-AH2	
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2001	World Literature to 1600: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
LIT 2046	Literature of Women: GT-AH2	
	Subtotal	**17-18**
Third Semester		
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [3]		3
HUM 1015	World Mythology: GT-AH2	
ART 1112	Art History Renaissance to Modern: GT-AH1	
HUM 1003	Introduction to Film Art: GT-AH2	
THE 1005	Theatre Appreciation: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
PHI 1011	Intro to Philosophy: GT-AH3	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		3-4
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
GEO 1060	Global Climate Change: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
ENV 1111	Environmental Science with Lab: GT-SC1	
BIO 1016	Introduction to Human Disease: GT-SC2	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
Choose One Literature Course (GT-AH2) [4]		3
LIT 2011	American Literature to Civil War: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2001	World Literature to 1600: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
LIT 2046	Literature of Women: GT-AH2	
Choose One Literature Course (GT-AH2) [4]		3
LIT 2012	American Literature After Civil War: GT-AH2	
LIT 2025	Introduction to Shakespeare: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2001	World Literature to 1600: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
LIT 2046	Literature of Women: GT-AH2	
Choose One Elective		3-5
ENG 2021	Creative Writing I GT-AH1	
SPA 1011	Spanish Language I [6]	
HUM 1003	Introduction to Film Art: GT-AH2	
ENG 2026	Fiction Writing	
ENG 2027	Poetry Writing	
JOU 1006	Media News and Reporting	
	Subtotal	**15-18**
Fourth Semester		
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [3]		3
HUM 1021	Humanities: Early Civilization: GT-AH2	
PHI 1015	World Religions-West: GT-AH3	
MUS 1025	History of Jazz: GT-AH1	
PHI 1014	Comparative Religions: GT-AH3	
ART 1112	Art History Renaissance to Modern: GT-AH1	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
JOU 1005	Introduction to Mass Media: GT-SS3	
PSY 1002	General Psychology II: GT-SS3	
PSY 2771	Psychology of Personality: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
Choose One Literature Course (GT-AH2) [4]		3
LIT 2011	American Literature to Civil War: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2001	World Literature to 1600: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
LIT 2046	Literature of Women: GT-AH2	
Choose One Elective		3-5
ENG 2021	Creative Writing I GT-AH1	
SPA 1012	Spanish Language II [6]	
HUM 1003	Introduction to Film Art: GT-AH2	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
HUM 1023	Humanities: Modern World: GT-AH2	
CIS 1018	Introduction to PC Applications	
Choose One Elective		1
MUS 1051	Ensemble I	
LIT 2085	Independent Study	
HUM 2085	Independent Study	
	Subtotal	**13-15**
	Total Credits	**60-66**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

[2] Guaranteed Transfer Math Course; MAT 1240 recommended.

[3] GT-AH2 Literature (LIT) courses will NOT be accepted to fulfill this requirement.

[4] Students are required to take a total of 5 (five) LIT courses (15 credits), 4 (four) of which must be at the 2000-level. Please consult with your receiving institution regarding best choices for literature courses.

[5] This course is 5 credit hours.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of

available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Creative Writing Transfer

As Chekhov said: "Don't tell me the moon is shining; show me the glint of light on broken glass."

How does one create literary art? How *can* it be done? Most importantly, *why* do it? In this program, we seek answers to these questions. In the process, you'll learn empathy. You'll read closely. You'll analyze. You'll be allowed to express yourself. You'll learn how to talk about and improve upon a work in progress. Most importantly, you will write.

This program allows you to pursue your interests in creative writing while earning your Associate of Arts degree. We offer smaller classes that operate under the assumption that would-be literary artists must do what all aspiring writers must: read and write. In addition, our program focuses on providing a solid foundation in the study of multiple genres, broad academic preparation in literature and other arts, and exploring literary models from diverse cultures, races, and contexts.

This guaranteed course transfer only applies to the University of Colorado-Denver.

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
ENG 2021	Creative Writing I GT-AH1	3
COM 1250	Interpersonal Communication: GT-SS3	3
HUM 1023	Humanities: Modern World: GT-AH2	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
COM 2300	Intercultural Communication: GT-SS3	
COM 2220	Group Communication: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
JOU 1005	Introduction to Mass Media: GT-SS3	
PSC 1011	American Government: GT-SS1	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
ECO 2001	Principles of Macroeconomics: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
SOC 1002	Introduction to Sociology II: GT-SS3	
Choose One History Course (GT-HI1)		3
HIS 2005	Women in World History: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2110	African American History: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC2)		3
ENV 1010	Natural Disasters: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
GEO 1060	Global Climate Change: GT-SC2	
	Subtotal	**16**
Third Semester		
Choose One Literature Course		3
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
Choose One World Languages Course		3-5
SPA 1011	Spanish Language I	
SPA 2062	Writing for Heritage and Intermediate-Mid Spanish Speakers	
Choose One Elective Course		3

HUM 1003	Introduction to Film Art: GT-AH2	
JOU 1005	Introduction to Mass Media: GT-SS3	
THE 2015	Playwriting: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
Choose One Elective Course		3
ENG 2031	Literary Magazine	
HUM 1003	Introduction to Film Art: GT-AH2	
THE 2015	Playwriting: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
	Subtotal	**16-18**
Fourth Semester		
Choose One Social & Behavioral Sciences Course (GT-SS3)		3
COM 2300	Intercultural Communication: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
Choose one GT Course (Except GT-SC Courses)		3
SOC 1002	Introduction to Sociology II: GT-SS3	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
GEO 1005	World Regional Geography: GT-SS2	
Choose One Elective Course		3
ENG 2031	Literary Magazine	
HUM 1003	Introduction to Film Art: GT-AH2	
THE 1015	Stage Movement for Actors	
HUM 1015	World Mythology: GT-AH2	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
	Subtotal	**13**
	Total Credits	**60-62**

Multimedia Graphic Design

Associate of Applied Science Degree

Arts, Communication & Design Pathway
CCD.edu/Graphics

Graphic Design

The Associate of Applied Science in graphic design provides the skills necessary for entry into the field of graphic design. The graphic design profession involves graphic and advertising design, illustration, and digital media production. The CCD graphic design program helps you develop the basic skills for entry into the profession.

As a successful graduate of this program, you will enjoy a career in branding, publication design, Web design, advertising, package design, or environmental graphic design, where creative typography and images are needed to move ideas and information.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1031	Technical Writing I: GT-CO1	3
ART 1002	Visual Concepts 2-D Design	3
MGD 1001	Introduction to Computer Graphics	3
MGD 1014	Typography I	3
MGD 1013	Adobe InDesign	3
	Subtotal	**15**
Second Semester		
MGD 1011	Adobe Photoshop I	3
MGD 1012	Adobe Illustrator I	3
MGD 1015	Typography and Layout	3
ART 1112	Art History Renaissance to Modern: GT-AH1	3
MGD 1041	Web Design I	3
	Subtotal	**15**
Third Semester		
ART 1201	Drawing I	3
MGD 2041	Web Design II	3
ART 1113	Art History 1900 to Present: GT-AH1	3
MGD 2003	Design and Concept	3
MGD 1094	Service Learning	3
	Subtotal	**15**
Fourth Semester		
COM 1250	Interpersonal Communication: GT-SS3	3
ART 1004	Visual Concepts 4-D Design	3
ART 1401	Digital Photography I	3
MGD 2089	Capstone	3
Choose One Course		3
MGD 2094	Service Learning	
MGD 1080	Internship	
	Subtotal	**15**
	Total Credits	**60**

Graphic Design
Metropolitan State University of Denver Transfer

The Associate of Applied Science in Graphic Design transfer agreement with Metropolitan State University of Denver is designed to prepare you for seamless transfer into Metropolitan State University of Denver's Bachelor of Fine Arts in Communication Design. This unique agreement allows for easy transfer of all 62 course credits within the degree. The coursework is designed to provide you with art and graphic design skills as well as theory-based knowledge that will be built upon at the university level. This guaranteed course transfer agreement only applies to Metropolitan State University of Denver's Bachelor of Fine Arts degree.

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
ENG 1021	English Composition I: GT-CO1	3
ART 1002	Visual Concepts 2-D Design	3
MGD 1014	Typography I	3
ART 1201	Drawing I	3
	Subtotal	**15**
Second Semester		
ART 1111	Art History Ancient to Medieval: GT-AH1	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
ENG 1022	English Composition II: GT-CO2	3
ART 1003	3-D Design	3
Choose One History Course (GT-HI1)		3
HIS 2015	20th Century World History: GT-HI1	
HIS 2110	African American History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	

Course	Title	Credits
HIS 2005	Women in World History: GT-HI1	
	Subtotal	**16**
Third Semester		
MGD 1015	Typography and Layout	3
ART 1004	Visual Concepts 4-D Design	3
ART 1112	Art History Renaissance to Modern: GT-AH1	3
COM 1150	Public Speaking	3
Choose One Natural & Physical Science Course (GT-SC1~SC-2)		3-4
GEY 1112	Historical Geology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
GEY 1108	Geology of National Parks GT-SC2	
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
	Subtotal	**15-16**
Fourth Semester		
ART 1113	Art History 1900 to Present: GT-AH1	3
MGD 1041	Web Design I	3
Choose One Natural & Physical Science Course (GT-SC1~SC2)		3-4
GEY 1112	Historical Geology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
BIO 1016	Introduction to Human Disease: GT-SC2	
GEY 1108	Geology of National Parks GT-SC2	
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
PSC 2020	Intro to Political Science: GT-SS1	
ANT 1001	Cultural Anthropology: GT-SS3	
JOU 1005	Introduction to Mass Media: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
GEO 1005	World Regional Geography: GT-SS2	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
HUM 1003	Introduction to Film Art: GT-AH2	
HUM 1022	Humanities: Medieval-Modern: GT-AH2	
HUM 1023	Humanities: Modern World: GT-AH2	
PHI 1016	World Religions-East: GT-AH3	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 2014	Philosophy of Religion: GT-AH3	
	Subtotal	**15-16**
	Total Credits	**61-63**

Associate of Arts
GRAPHIC DESIGN

UNIVERSITY OF COLORADO DENVER TRANSFER

The Associate of Arts in Graphic Design transfer agreement with University of Colorado Denver is designed to prepare you for seamless transfer into University of Colorado Denver: Bachelor of Fine Arts (Digital Design Emphasis). This unique agreement allows for easy transfer of all 60 course credits within the degree. The coursework is designed to provide you with art and graphic design skills as well as theory-based knowledge that will be built upon at the university level. This guaranteed course transfer agreement only applies to University of Colorado Denver: Bachelor of Fine Arts (Digital Design Emphasis) degree.

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
ART 1111	Art History Ancient to Medieval: GT-AH1	3
ART 1002	Visual Concepts 2-D Design	3
MGD 1001	Introduction to Computer Graphics	3
COM 1250	Interpersonal Communication: GT-SS3	3
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
ART 1112	Art History Renaissance to Modern: GT-AH1	3

MGD 1014	Typography I	3
ART 1003	3-D Design	3
ART 1201	Drawing I	3
	Subtotal	**15**
Third Semester		
MAT 1240	Math for Liberal Arts: GT-MA1	4
ART 1113	Art History 1900 to Present: GT-AH1	3
MGD 1015	Typography and Layout	3
Choose One Natural & Physical Science Course (SC-1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
Choose One History Course (GT-HI1)		3
HIS 2135	Colorado History: GT-HI1	
HIS 2145	US History Since 1945: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2110	African American History: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
	Subtotal	**17**
Fourth Semester		
ART 1004	Visual Concepts 4-D Design	3
MGD 2089	Capstone	3
MGD 2003	Design and Concept	3
Choose One Natural & Physical Science Course with Lab (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
	Subtotal	**13**
	Total Credits	**60**

Certificate

Arts, Communication & Design Pathway
CCD.edu/Graphics

Graphic Design
This certificate provides you with the skills necessary for entry into the field of graphic design. The graphic design profession involves graphic and advertising design, illustration and digital media production. The CCD graphic design program teaches you to develop basic skills for entry into the profession.

As a successful graduate of this program, you may enjoy a career in branding, publication design, Web design, advertising, package design, and environmental graphic design, where creative typography and image are needed to move ideas and information.

This certificate is fully transferable to the Associate of Applied Science in graphic design.

COURSE MAP

Course	Title	Credits
First Semester		
ART 1002	Visual Concepts 2-D Design	3
MGD 1001	Introduction to Computer Graphics	3
MGD 1014	Typography I	3
MGD 1013	Adobe InDesign	3
MGD 1041	Web Design I	3
	Subtotal	**15**

Second Semester		
MGD 1015	Typography and Layout	3
MGD 1011	Adobe Photoshop I	3
MGD 1012	Adobe Illustrator I	3
MGD 1094	Service Learning	3
MGD 2041	Web Design II	3
	Subtotal	**15**
	Total Credits	**30**

Journalism

Associate of Arts
Arts, Communication & Design Pathway
CCD.edu/Journalism

Journalism Transfer Major
The purpose of journalism is to see life and make sense of the world by sharing our stories. These stories find us, draw us closer, make us feel, and shape our decisions.

In this journalism program, you will learn how to be curious about the world by asking questions. You will learn why truth and ethics matter when reporting news stories or when you write public relations press releases. You will also learn the technical skills of writing stories, video production, still photography, and audio production that afford us the ability to share these stories in different media such as social media, television, radio, and online news outlets.

CCD's journalism program offers classes that will start you on this path to a career as a journalist or as a public relations professional and give you what you need to transfer to a four-year university.

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
COM 1250	Interpersonal Communication: GT-SS3	3
HUM 1023	Humanities: Modern World: GT-AH2	3
JOU 1005	Introduction to Mass Media: GT-SS3	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
ENG 2021	Creative Writing I GT-AH1	
LIT 1015	Introduction to Literature I: GT-AH2	
SPA 2061	Spanish Language for Heritage and Intermediate-Mid Speakers: GT-AH4	
THE 1005	Theatre Appreciation: GT-AH1	
PHI 1011	Intro to Philosophy: GT-AH3	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
Choose One Journalism Course		3
JOU 1006	Media News and Reporting	
JOU 2025	New Media	
Choose One History Course (GT-HI1)		3
HIS 2105	Women in U.S. History: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
HIS 2145	US History Since 1945: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2110	African American History: GT-HI1	
Choose One Elective Course		3-5
MGD 1001	Introduction to Computer Graphics	
MGD 1011	Adobe Photoshop I	
MGD 1013	Adobe InDesign	
ASL 1121	American Sign Language I	
FRE 1011	French Language I	

SPA 1011	Spanish Language I	
	Subtotal	**16-18**
Third Semester		
Choose One Journalism Course		3
JOU 1006	Media News and Reporting	
JOU 2025	New Media	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 1001	Cultural Anthropology: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
PSC 2020	Intro to Political Science: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
Choose One Elective Course		3-5
MGD 1001	Introduction to Computer Graphics	
MGD 1011	Adobe Photoshop I	
MGD 1013	Adobe InDesign	
ASL 1122	American Sign Language II	
FRE 1012	French Language II	
SPA 1012	Spanish Language II	
Choose One Natural & Physical Sciences Course (GT-SC2)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
	Subtotal	**13-15**
Fourth Semester		
COM 1010	Communicating through Technology	1
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1260	Communication in Healthcare	
COM 1300	Communication and Popular Culture: GT-AH1	
COM 2220	Group Communication: GT-SS3	
COM 2250	Organizational Communication	
COM 2300	Intercultural Communication: GT-SS3	
Choose One Journalism Course		3
JOU 1021	Photojournalism	
JOU 2015	Publications Production and Design	
JOU 2031	Introduction to Public Relations	
JOU 2041	Feature and Magazine Writing	
Choose One Elective		3
MGD 1001	Introduction to Computer Graphics	
MGD 1011	Adobe Photoshop I	
MGD 1013	Adobe InDesign	
FRE 2011	French Language III: GT-AH4	
SPA 2011	Spanish Language III: GT-AH4	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
GEO 1005	World Regional Geography: GT-SS2	
GEO 1006	Human Geography: GT-SS2	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		3
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
GEY 1108	Geology of National Parks GT-SC2	
	Subtotal	**16**
	Total Credits	**60-64**

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Music

Associate of Arts Degree
Arts, Communication & Design Pathway
CCD.edu/Music

Music Transfer Major
This program is designed for students wanting to complete the first two years of a bachelor's degree at CCD and transfer to a university to complete a Bachelor of Arts in music. You will explore music theory, history and application. Careers typically require a bachelor's degree.

Music, as in all the arts, is an expression and transcendence of the human experience. Music courses serve as an introduction to the examination of sound as a vibrant art form and provide training in performance and composition. CCD's music department offers humanities and performance classes open to all students beginning through advanced. Our faculty will help you explore your talents and invigorate your passion in music.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [1]	3
MAT 1240	Math for Liberal Arts: GT-MA1 [2]	4
MUS 1010	Music Theory I [4]	3
MUS 1012	Ear Training/Sight-singing I Lab [4]	1
MUS 1031	Music Class I [4]	2
MUS 1041	Private Instruction I: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds) [4]	1
MUS 1051	Ensemble I [4]	1
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [1]	3
MUS 1011	Music Theory II [4]	3
MUS 1013	Ear Training/Sight-singing II Lab [4]	1
MUS 1032	Music Class II [4]	2
MUS 1042	Private Instruction II: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds) [4]	1
MUS 1052	Ensemble II [4]	1
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
	Subtotal	**15**
Third Semester		
MUS 1021	Music History Medieval thru Classical Period: GT-AH1	3
MUS 2010	Music Theory III [4]	3
MUS 2012	Advanced Ear Training/Sight-singing I Lab [4]	1
MUS 2041	Private Instruction III: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds) [4]	1
MUS 2051	Ensemble I [4]	1
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3) [3]		3
PSC 2020	Intro to Political Science: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
JOU 1005	Introduction to Mass Media: GT-SS3	

WST 2000	Introduction to Women`s Studies: GT-SS3	
GEO 1006	Human Geography: GT-SS2	
Choose One Natural & Physical Sciences Course (GT-SC2)		3
GEY 1108	Geology of National Parks GT-SC2	
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
	Subtotal	**15**
Fourth Semester		
MUS 1022	Music History Romantic Period to Present: GT-AH1	3
MUS 2011	Music Theory IV [4]	3
MUS 2013	Advanced Ear Training/Sight-singing II Lab [4]	1
MUS 2042	Private Instruction IV: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds) [4]	1
MUS 2052	Ensemble II [4]	1
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 2125	Anthropology of Religion: GT-SS3	
COM 2300	Intercultural Communication: GT-SS3	
SOC 1002	Introduction to Sociology II: GT-SS3	
ETH 2000	Introduction to Ethnic Studies: GT-SS3	
PSY 1002	General Psychology II: GT-SS3	
PSY 2771	Psychology of Personality: GT-SS3	
Choose One History Course (GT-HI1)		3
HIS 2145	US History Since 1945: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2110	African American History: GT-HI1	
	Subtotal	**15**
	Total Credits	**60**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

[2] Any guaranteed GT-MA1 course; MAT 1240 is recommended.

[3] CSU-Ft. Collins requires that one of these courses be PSY 1001 – General Psychology 1

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

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Associate of Applied Science
Associate of Applied Science Degree

Arts, Communication & Design Pathway
CCD.edu/Music

Recording Arts Technology

The Associate of Applied Science (A.A.S.) in Recording Arts Technology is a two-year program designed for students to complete and transfer to a four-year institution or to enter the workforce. This degree focuses on computer music applications, audio recording and production, live sound engineering, and music business. The program also delivers general competencies in music theory, ear training, and music history.

Although many of our classes will transfer to most four-year schools, we have a specific transfer agreement to the Recording Arts Program in the Music and Entertainment Industries Studies Department at the University of Colorado Denver.

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
MUS 1061	Computer Music Applications I	3
MUS 1010	Music Theory I	3
MUS 1012	Ear Training/Sight-singing I Lab	1
MUS 1031	Music Class I	2
COM 1250	Interpersonal Communication: GT-SS3	3
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
MUS 1062	Computer Music Applications II	3
MUS 1013	Ear Training/Sight-singing II Lab	1
MUS 1032	Music Class II	2
MUS 1025	History of Jazz: GT-AH1	3
	Subtotal	**16**
Third Semester		
MUS 1063	Music Audio Production I	3
MUS 1067	Music Business I	3
PHY 1105	Conceptual Physics with Lab: GT-SC1	4
Choose One Elective Course		1
MUS 1041	Private Instruction I: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)	
MUS 1051	Ensemble I	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 1111	General College Biology I with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
	Subtotal	**15**
Fourth Semester		
MUS 1064	Music Audio Production II	3
MUS 2065	Live Audio Engineering	3
MUS 2084	Internship	2
Choose One History Course (GT-HI1)		3
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2110	African American History: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1)		3
COM 1300	Communication and Popular Culture: GT-AH1	
THE 1005	Theatre Appreciation: GT-AH1	
MUS 1022	Music History Romantic Period to Present: GT-AH1	
	Subtotal	**14**
	Total Credits	**60**

Certificate

Arts, Communication & Design Pathway
CCD.edu/Music

Recording Arts Technology Certificate
Digital Music Creation

This certificate is designed for students wanting to pursue careers in the composition and performance of digital music. Through project-based learning, students will gain valuable hands-on experience in computer music applications, audio production, composition, song writing and EDI (Electronic Digital Instrumentation) performance.

Course	Title	Credits
First Semester		
MUS 1061	Computer Music Applications I	3
MUS 1063	Music Audio Production I	3

MUS 1067	Music Business I	3
MUS 1041	Private Instruction I: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)	1
Choose One Elective Course		3
MUS 1000	Introduction to Music Theory I	
MUS 1010	Music Theory I	
	Subtotal	**13**
Second Semester		
MUS 1062	Computer Music Applications II	3
MUS 1064	Music Audio Production II	3
MUS 2065	Live Audio Engineering	3
THE 2026	Theatre: Sound Operation and Design I	3
MUS 1042	Private Instruction II: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)	1
	Subtotal	**13**
	Total Credits	**26**

Philosophy

Associate of Arts Degree

Arts, Communication & Design Pathway
CCD.edu/Philosophy

Philosophy Transfer Major
Are you more interested in questions than answers? Do you want to learn to think carefully and well about life's most compelling questions? If so, you might be a philosophy major! Our program is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a university to complete a Bachelor of Arts (B.A.) in philosophy.

In this program, you will learn to read, write and think critically about current issues and life's enduring questions. As you progress through our highly interactive program, you will not only explore diverse worldviews but also hone your particular take on the world as well. In encountering both timeless works and new classics, you will wrestle with engaging moral dilemmas, explore the nature of reality, and contemplate the contrast between knowledge and belief. Throughout this process, you will cultivate critical reading, writing, and thinking skills that will apply to an endless number of careers, including law, politics, government, business, science and education. As you complete this program, you will explore a wide diversity of voices and take courses that are common to all four-year institutions in Colorado. Finally, CCD's A.A. in philosophy will prepare you to complete the second half of a B.A. in philosophy at a four-year university.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [1]	3
PHI 1011	Intro to Philosophy: GT-AH3 [4]	3
COM 1250	Interpersonal Communication: GT-SS3	3
HUM 1023	Humanities: Modern World: GT-AH2	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
COM 2300	Intercultural Communication: GT-SS3	
COM 2220	Group Communication: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
JOU 1005	Introduction to Mass Media: GT-SS3	
PSC 1011	American Government: GT-SS1	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [1]	3
PHI 1012	Ethics: GT-AH3 [4]	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
Choose One History Course (GT-HI1)		3
HIS 2005	Women in World History: GT-HI1	
HIS 2500	History of Islamic Civilization: GT-HI1	

HIS 2110	African American History: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 2140	Civil War Era in American History: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
PHY 1105	Conceptual Physics with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
	Subtotal	**17-18**
Third Semester		
PHI 1013	Logic: GT-AH3 [4]	3
PHI 2018	Environmental Ethics: GT-AH3 [4]	3
PHI 2020	Philosophy of Death and Dying: GT-AH3 [4]	3
Choose One Arts & Humanities Course (GT-AH1, GT-AH2, GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
LIT 2025	Introduction to Shakespeare: GT-AH2	
LIT 2046	Literature of Women: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
HUM 1003	Introduction to Film Art: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		3-4
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
GEO 1060	Global Climate Change: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
ENV 1111	Environmental Science with Lab: GT-SC1	
	Subtotal	**15-16**
Fourth Semester		
COM 1010	Communicating through Technology	1
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
JOU 1005	Introduction to Mass Media: GT-SS3	
PSY 1002	General Psychology II: GT-SS3	
PSY 2771	Psychology of Personality: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
Choose One Elective Course		3-5
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
WST 2000	Introduction to Women`s Studies: GT-SS3	
HUM 1021	Humanities: Early Civilization: GT-AH2	
COM 2300	Intercultural Communication: GT-SS3	
SPA 1011	Spanish Language I	
Choose One Elective Course		3-5
ENG 2021	Creative Writing I GT-AH1	
ENG 2027	Poetry Writing	
ART 1111	Art History Ancient to Medieval: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
JOU 1006	Media News and Reporting	
SPA 1012	Spanish Language II	
Choose One Elective Course		3
HUM 1015	World Mythology: GT-AH2	
HUM 1003	Introduction to Film Art: GT-AH2	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
THE 1005	Theatre Appreciation: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
ANT 1001	Cultural Anthropology: GT-SS3	
	Subtotal	**13-17**
	Total Credits	**60-66**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

[2] One Guaranteed Transfer Math (GT-MA1) course; MAT 1240 is recommended

[3] This course is 5 credit hours.

[4] If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation.

[5] Students planning to attend the University of Colorado Boulder MUST NOT TAKE additional PHI-prefix courses when completing their electives area.

Note: If these credits are not required for the major at a receiving four-year institution, they will be applied to the bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Theatre

Associate of Arts Degrees
Arts, Communication & Design Pathway
CCD.edu/Theatre

Theatre Transfer Major
The Associate of Arts degree in theatre is a two-year program designed for you to graduate and transfer to a four-year institution to complete a bachelor's degree in theatre or a bachelor's degree in fine arts. In this program you will explore various elements of theatrical production including performance, design and literature. The theatre department also offers humanities, performance and dramatic literature courses open to both beginning and advanced levels.

Career paths for theatre degree holders include media, public relations, law, marketing, advertising, teaching and design.

COURSE MAP

Course	Title	Credits
First Semester		
THE 1005	Theatre Appreciation: GT-AH1 [3]	3
HUM 1023	Humanities: Modern World: GT-AH2	3
COM 1250	Interpersonal Communication: GT-SS3	3
ENG 1021	English Composition I: GT-CO1 [1]	3
Choose One Course		3
THE 1016	Technical Theatre [6]	
THE 1011	Acting I [6]	
	Subtotal	**15**
Second Semester		
THE 1008	Theatre Script Analysis: GT-AH1 [6]	3
ENG 1022	English Composition II: GT-CO2 [1]	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
Choose One Elective Course		3
THE 1012	Acting II	
THE 2000	Paint/Draw/Rende/Model Techs	
ENG 2021	Creative Writing I GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
THE 1031	Theatre Production I	
THE 1050	Comedy	
Choose One Natural & Physical Sciences Course (GT-SC2)		3
GEY 1108	Geology of National Parks GT-SC2	
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	

Course	Title	Credits
BIO 1016	Introduction to Human Disease: GT-SC2	
	Subtotal	**16**
Third Semester		
THE 2011	Development of Theatre Greek to Renaissance: GT-AH1	3
THE 2015	Playwriting: GT-AH1 [6]	3
Choose One Elective Course		3
THE 1011	Acting I	
THE 1016	Technical Theatre	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
Choose One Elective Course		3
THE 1031	Theatre Production I	
THE 1032	Theatre Production II	
THE 1007	Elements of Theatrical Craft and Design	
ART 1110	Art Appreciation: GT-AH1	
HUM 1003	Introduction to Film Art: GT-AH2	
	Subtotal	**16**
Fourth Semester		
THE 2012	Development of Theatre Restoration to Modern: GT-AH1 [6]	3
Choose One Elective Course		1
MUS 1041	Private Instruction I: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)	
MUS 1051	Ensemble I	
COM 1010	Communicating through Technology	
Choose One Elective Course		3
THE 1012	Acting II	
THE 1032	Theatre Production II	
COM 1150	Public Speaking	
THE 2031	Theatre Production III	
THE 2000	Paint/Draw/Rende/Model Techs	
ENG 2021	Creative Writing I GT-AH1	
Choose One Elective Course		3
THE 1035	Stage Makeup I	
MUS 1020	Music Appreciation: GT-AH1	
THE 2040	Theater Voice and Diction	
THE 2041	Stage Properties	
THE 2021	Set Design for Film & Theatre	
Choose One History Course (GT-HI1)		3
HIS 2005	Women in World History: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
HIS 2145	US History Since 1945: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
	Subtotal	**13**
	Total Credits	**60**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

[2] MAT 1240 is recommended or any guaranteed GT-MAT course

[3] Students planning to attend University of Colorado Boulder in Theatre should consult UCB Theatre advisors regarding THE 1005 – Theatre Appreciation.

[4] Students interested in attending MSU Denver or CSU-Fort Collins are advised to take COM 1150 – Public Speaking.

[5] Students who plan to transfer to UCB or UCCS may not take elective courses with a THE prefix.

⁶ Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation.

⁷ Students who plan to transfer to CSU-Fort Collins are advised to take this course.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Associate of Applied Science Degrees
Arts, Communication & Design Pathway
CCD.edu/Theatre

Technical Theatre
The Associate of Applied Science degree in technical theatre is a two-year program designed for you to graduate and transfer to a four-year institution to complete a Bachelor of Arts degree in theatre, a Bachelor of Fine Arts in technical theatre, or to enter the workforce. Focusing on all technical aspects of theatre including front of house operations, deck crew, technical positions, and stage management, students gain experience working on productions.

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
THE 1005	Theatre Appreciation: GT-AH1	3
THE 1016	Technical Theatre	3
THE 1031	Theatre Production I	3
	Subtotal	**16**
Second Semester		
THE 1008	Theatre Script Analysis: GT-AH1	3
THE 1032	Theatre Production II	3
THE 1029	Introduction to the Entertainment Industry	3
THE 2000	Paint/Draw/Rende/Model Techs	3
Choose One Elective Course:		3
BIO 1003	Principles of Animal Biology: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
GEO 1006	Human Geography: GT-SS2	
PSC 2020	Intro to Political Science: GT-SS1	
PSY 1002	General Psychology II: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
	Subtotal	**15**
Third Semester		
THE 2011	Development of Theatre Greek to Renaissance: GT-AH1	3
THE 2031	Theatre Production III	3
THE 2050	Practical Theatre Technologies	3
Choose One Theatre Courses		3
THE 1004	Basic Costume/Apparel Construction	
THE 2016	Theatre Lighting and Design	
THE 2021	Set Design for Film & Theatre	
THE 2026	Theatre: Sound Operation and Design I	
THE 2041	Stage Properties	
THE 1052	Production Stage Management I	
Choose One Theatre Course		3
THE 1004	Basic Costume/Apparel Construction	
THE 2016	Theatre Lighting and Design	
THE 2021	Set Design for Film & Theatre	
THE 2026	Theatre: Sound Operation and Design I	
THE 2041	Stage Properties	
THE 1052	Production Stage Management I	
	Subtotal	**15**

Course	Title	Credits
Fourth Semester		
THE 2012	Development of Theatre Restoration to Modern: GT-AH1	3
Choose from the following Theatre courses to reach 11 credits:		11
THE 1004	Basic Costume/Apparel Construction	
THE 2084	Internship: Theatre	
THE 2016	Theatre Lighting and Design	
THE 2021	Set Design for Film & Theatre	
THE 2026	Theatre: Sound Operation and Design I	
THE 2041	Stage Properties	
THE 1052	Production Stage Management I	
	Subtotal	**14**
	Total Credits	**60**

Certificates
Arts, Communication & Design Pathway
CCD.edu/Theatre

Community College of Denver currently offers one certificate in theatre.

• Theatre Technology Basics

Theatre Technology Basics
Designed for entry-level positions in theatre including front of house operations, deck crew, technical positions, and stage management, students gain experience working on productions.

Course	Title	Credits
First Semester		
THE 1005	Theatre Appreciation: GT-AH1	3
THE 1016	Technical Theatre	3
THE 1031	Theatre Production I	3
	Subtotal	**9**
	Total Credits	**9**

Business Pathway

Build real-world experience and leadership skills to start a successful career in today's professional environment. Get prepared for career opportunities in management, sales, accounting, entrepreneurship, administration, marketing and much more. Stackable options help you start working in your field while continuing your degree pursuits.

Program Name	Degree Type
ACCOUNTING PROGRAM	
- Accounting	Associate of Applied Science
- Accounting Transfer	Associate of Applied Science
- Bookkeeping/Payroll	Certificate
- Tax Preparation	Certificate
BUSINESS ADMINISTRATION PROGRAM	
- Business Transfer Major	Associate of Arts[1]
- Management	Associate of Applied Science
- Marketing	Associate of Applied Science
- Customer Service	Certificate
- Entrepreneurship	Certificate
- Supply Chain Management	Certificate
CANNABIS SCIENCE AND OPERATIONS	
- Cannabis Business	Associate of Applied Science

¹ Denotes a "Transfer Major" that has a statewide transfer degree plan or a statewide transfer articulation program in place and is fully transferable in its entirety into any Colorado public four-year program. Transfer Majors

are awarded with a specific program designation major on the transcript. See an academic advisor for more information.

Accounting

Associate of Applied Science Degrees
Business Pathway
CCD.edu/Accounting

Community College of Denver currently offers two Associate of Applied Science degrees in accounting.

- Accounting
- Accounting Transfer

Accounting
This Associate of Applied Science in accounting focuses on preparing you for a career in the field of accounting. By working closely with local industry leaders, the coursework focuses on providing you with technical skills that businesses require for entry-level job candidates. Our graduates start their careers as accounting technicians, bookkeepers, tax preparers and clerks in processing accounts payable, accounts receivable and payroll. Although the program is designed to put you to work immediately after graduation, the degree also prepares you for advanced studies in the field at the university level. Credits will transfer on a course-by-course basis and will vary by institution.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
BUS 1015	Introduction to Business	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
ACC 1011	Introduction to Financial Accounting	3
COM 1150	Public Speaking	3
	Subtotal	**15**
Second Semester		
MAT 1140	Career Math	3
CIS 1018	Introduction to PC Applications	3
ACC 1012	Introduction to Managerial Accounting	3
ACC 1025	Computerized Accounting	3
Choose One Elective		3
ACC 1031	Income Tax	
CIS 1055	PC Spreadsheet Concepts: Excel	
ECO 2002	Principles of Microeconomics: GT-SS1	
MAN 2026	Principles of Management	
MAR 1060	Customer Service	
PAR 2211	Legal Research	
	Subtotal	**15**
Third Semester		
ACC 1032	Tax Help Colorado	2
ACC 1035	Spreadsheet Applications for Accounting	3
ACC 2026	Cost Accounting	3
BTE 1008	Ten-Key by Touch	1
CIS 2040	Database Design and Development	3
Choose One Elective		3
ACC 1031	Income Tax	
CIS 1055	PC Spreadsheet Concepts: Excel	
ECO 2002	Principles of Microeconomics: GT-SS1	
MAN 2026	Principles of Management	
MAR 1060	Customer Service	
PAR 2211	Legal Research	
	Subtotal	**15**
Fourth Semester		
ACC 1015	Payroll Accounting	3
ACC 1033	Tax Help Colorado Practicum (offered in spring only)	1

Course	Title	Credits
BUS 2016	Legal Environment of Business	3
BUS 2017	Business Communication and Report Writing	3
BUS 2026	Business Statistics	3
Choose One Elective		3
ACC 1031	Income Tax	
CIS 1055	PC Spreadsheet Concepts: Excel	
ECO 2002	Principles of Microeconomics: GT-SS1	
MAN 2026	Principles of Management	
MAR 1060	Customer Service	
PAR 2211	Legal Research	
	Subtotal	**16**
	Total Credits	**61**

Transfer degree in Accounting
This unique agreement between CCD, Metropolitan State University of Denver (MSU Denver) and University of Colorado Denver (CU Denver) allows students to seamlessly transfer all 61 credits towards their Bachelor's degree in accounting. The coursework is designed to provide you with technical accounting skills as well as theory-based knowledge that will be built upon at the university level. Upon completion of this AAS degree, students will enter their university of choice as a junior and have only two years of courses to complete in order to receive their Bachelor's degree in Accounting from either MSU Denver or CU Denver.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
BUS 1015	Introduction to Business	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
ACC 1011	Introduction to Financial Accounting	3
COM 1150	Public Speaking	3
	Subtotal	**15**
Second Semester		
BUS 2017	Business Communication and Report Writing	3
CIS 1018	Introduction to PC Applications	3
ACC 1012	Introduction to Managerial Accounting	3
ENG 1022	English Composition II: GT-CO2	3
Choose One Natural & Physical Sciences Course (GT-SC2)		3
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
GEY 1108	Geology of National Parks GT-SC2	
GEO 1060	Global Climate Change: GT-SC2	
	Subtotal	**15**
Third Semester		
ACC 1032	Tax Help Colorado	2
ACC 1035	Spreadsheet Applications for Accounting	3
BUS 2016	Legal Environment of Business	3
MAR 1060	Customer Service	3
MAT 1340	College Algebra: GT-MA1	4
	Subtotal	**15**
Fourth Semester		
ACC 1015	Payroll Accounting	3
ACC 1033	Tax Help Colorado Practicum (offered in spring only)	1
ACC 1025	Computerized Accounting	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
BUS 2026	Business Statistics	3
Choose One Elective		3
HIS 2005	Women in World History: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	

HIS 2110	African American History: GT-HI1	
	Subtotal	**16**
	Total Credits	**61**

Certificates
Business Pathway
CCD.edu/Accounting

Community College of Denver currently offers two certificates in accounting.

- Bookkeeping/Payroll
- Tax Preparation

Bookkeeping/Payroll
The bookkeeping/payroll certificate prepares you for full-charge bookkeeping activities, including journal and ledger entries, accounts payable and receivable processing, payroll, and financial statement preparation. The certificate provides a strong foundation in accounting with emphasis on manual and computerized accounting systems and is well suited for individuals currently employed looking to advance your career or those looking to enter the field of accounting as a new profession. The certificate is fully transferable to the Associate of Applied Science in accounting.

COURSE MAP

Course	Title	Credits
First Semester		
ACC 1011	Introduction to Financial Accounting	3
ACC 1032	Tax Help Colorado (offered in fall only)	2
ACC 1035	Spreadsheet Applications for Accounting (offered in fall only)	3
BTE 1008	Ten-Key by Touch	1
BUS 2017	Business Communication and Report Writing	3
CIS 1018	Introduction to PC Applications	3
	Subtotal	**15**
Second Semester		
ACC 1015	Payroll Accounting	3
ACC 1025	Computerized Accounting	3
ACC 1033	Tax Help Colorado Practicum (offered in spring only)	1
BUS 1015	Introduction to Business	3
BUS 2016	Legal Environment of Business	3
MAR 1060	Customer Service	3
	Subtotal	**16**
	Total Credits	**31**

Tax Preparation
The tax preparation certificate prepares you for a career in individual income tax preparation. You will learn about basic accounting and tax regulations and how to use tax software to prepare and file tax returns. You will also obtain practical experience through participating in the Tax Help Colorado program, preparing actual income tax returns for low-income families in the metro-Denver area. The certificate provides you with the skills necessary to advance in your current career or provide a solid foundation in income tax preparation for those looking to enter the field of accounting. The certificate is fully transferable to the Associate of Applied Science in accounting.

COURSE MAP

Course	Title	Credits
First Semester		
ACC 1011	Introduction to Financial Accounting	3
ACC 1032	Tax Help Colorado	2
ACC 1031	Income Tax (offered in fall only)	3
BTE 1008	Ten-Key by Touch	1
	Subtotal	**9**
Second Semester		
ACC 1033	Tax Help Colorado Practicum (offered in spring only)	1
CIS 1018	Introduction to PC Applications	3
Choose One Elective		3

Course	Title	Credits
ACC 1025	Computerized Accounting	
ACC 1035	Spreadsheet Applications for Accounting	
	Subtotal	**7**
	Total Credits	**16**

Business Administration

Associate of Arts Degree
Business Pathway
CCD.edu/Business-Admin

Business Transfer Major
The Associate of Arts in business administration is designed for you to complete the first two years of a bachelor's degree and transfer to a university to complete a Bachelor of Arts or Bachelor of Science in business. This degree prepares you to transfer as a junior to Colorado four-year colleges and to work in areas such as management, human resources, administration, economics, marketing, finance, accounting, healthcare administration and more.

COURSE MAP

Course	Title	Credits
First Semester		
BUS 1015	Introduction to Business	3
COM 1150	Public Speaking	3
ENG 1021	English Composition I: GT-CO1 [1]	3
Choose one Mathematics course depending on your transfer college of choice (GT-MA1)		4
MAT 1320	Finite Mathematics: GT-MA1 [2]	
MAT 1340	College Algebra: GT-MA1 [2,3]	
MAT 1400	Survey of Calculus: GT-MA1 [2,4]	
	Subtotal	**13**
Second Semester		
ACC 1011	Introduction to Financial Accounting	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
ENG 1022	English Composition II: GT-CO2 [1]	3
BUS 2017	Business Communication and Report Writing	3
Choose One Elective		1
CIS 1059	Microsoft Office Specialist Certification Prep: Excel	
COM 1010	Communicating through Technology	
Choose One Elective		3
ETH 2000	Introduction to Ethnic Studies: GT-SS3	
GEO 1005	World Regional Geography: GT-SS2	
HUM 1023	Humanities: Modern World: GT-AH2	
MAN 1028	Human Relations in Organizations	
MAN 2026	Principles of Management	
MAR 2016	Principles of Marketing	
	Subtotal	**16**
Third Semester		
ACC 1012	Introduction to Managerial Accounting	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
PHI 2005	Business Ethics: GT-AH3	3
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		4
BIO 1005	Science of Biology with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
Choose One Elective		3
ETH 2000	Introduction to Ethnic Studies: GT-SS3	
MAN 2000	Human Resources Management I	
MAN 2026	Principles of Management	
MAR 2016	Principles of Marketing	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
	Subtotal	**16**

Fourth Semester

BUS 2016	Legal Environment of Business	3
BUS 2026	Business Statistics	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
SPA 2011	Spanish Language III: GT-AH4	
SPA 2012	Spanish Language IV: GT-AH4	
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		3
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
GEY 1108	Geology of National Parks GT-SC2	
	Subtotal	**15**
	Total Credits	**60**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

[2] If your transfer college of choice does not require a specific GT-MA1 course, you can choose any of these three options.

[3] Adams State University, Colorado Mesa University, Colorado State University, and Fort Lewis College require College Algebra.

[4] University of Colorado - Colorado Springs and University of Northern Colorado require Survey of Calculus. Survey of Calculus has a prerequisite of College Algebra.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Associate of Applied Science Degrees

Business Pathway
CCD.edu/Business-Admin

Community College of Denver currently offers two Associate of Applied Science degrees in business administration to prepare you for entry-level employment or the opportunity to upgrade your skills. These programs are not intended to transfer to baccalaureate degree programs. If you are planning to transfer to a four-year institution as a business major, please talk with your academic advisor about completing the Associate of Arts (A.A.) degree in business.

- Management
- Marketing

Management
An Associate in Applied Science in business administration, with an emphasis in management, prepares you for entry-level positions in management and management-related career paths. The program is a blend of general education, business and management courses to help you learn skills through hands-on activities, case studies, group projects and professional development activities. Once you complete this program, you will bring the relevant skills you learn to enhance your current career path.

As a student, you have the opportunity to learn in a diverse and challenging environment. This program may transfer to some four-year colleges toward a bachelor's degree. Reach out to a faculty member or your academic advisor for details.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program.

COURSE MAP

Course	Title	Credits
First Semester		
BUS 1015	Introduction to Business	3
CIS 1018	Introduction to PC Applications	3
ENG 1021	English Composition I: GT-CO1	3
MAT 1340	College Algebra: GT-MA1	4
	Subtotal	**13**
Second Semester		
ACC 1011	Introduction to Financial Accounting	3
BUS 2017	Business Communication and Report Writing	3
PHI 1012	Ethics: GT-AH3	3
COM 1150	Public Speaking	3
MAN 1016	Principles of Supervision	3
	Subtotal	**15**
Third Semester		
ACC 1012	Introduction to Managerial Accounting	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
MAN 2016	Small Business Management	3
MAR 2016	Principles of Marketing	3
	Subtotal	**12**
Fourth Semester		
BUS 2016	Legal Environment of Business	3
MAN 2000	Human Resources Management I	3
MAN 2041	Project Management in Organizations	3
MAR 1060	Customer Service	3
	Subtotal	**12**
Fifth Semester		
BUS 2026	Business Statistics	3
BUS 2087	Cooperative Education	3
MAN 2026	Principles of Management	3
	Subtotal	**9**
	Total Credits	**61**

Marketing
An Associate in Applied Science (A.A.S.) in business administration, with an emphasis in marketing, prepares you for an entry-level position in sales, retail, management and marketing. This A.A.S. in marketing has 15 business and marketing courses. The program provides you with basic skills in business, accounting, interpersonal management and a number of marketing-related courses. The program offers the latest in business and marketing skills. Upon completing the program, you can also bring relevant skills you learned to enhance your current career path. Completing this program is an opportunity for you to integrate coursework and on-the-job experience toward reaching career objectives.

As a student, you have the opportunity to learn in a diverse and challenging environment. This program may transfer to some four-year colleges toward a bachelor's degree. Reach out to a faculty member or your academic advisor for details.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program.

COURSE MAP

Course	Title	Credits
First Semester		
BUS 1015	Introduction to Business	3
COM 1150	Public Speaking	3
ENG 1021	English Composition I: GT-CO1	3
MAT 1340	College Algebra: GT-MA1	4
	Subtotal	**13**
Second Semester		
ACC 1011	Introduction to Financial Accounting	3
CIS 1018	Introduction to PC Applications	3

ENG 1022	English Composition II: GT-CO2	3
PHI 1012	Ethics: GT-AH3	3
MAR 1011	Principles of Sales	3
	Subtotal	**15**
Third Semester		
ACC 1012	Introduction to Managerial Accounting	3
BUS 2017	Business Communication and Report Writing	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
PSY 1001	General Psychology I: GT-SS3	3
	Subtotal	**12**
Fourth Semester		
ECO 2002	Principles of Microeconomics: GT-SS1	3
MAR 1060	Customer Service	3
MAR 2016	Principles of Marketing	3
MAT 1400	Survey of Calculus: GT-MA1	4
	Subtotal	**13**
Fifth Semester		
BUS 2016	Legal Environment of Business	3
BUS 2087	Cooperative Education	3
MAN 2000	Human Resources Management I	3
	Subtotal	**9**
	Total Credits	**62**

Certificates
Business Pathway
CCD.edu/Business-Admin

Community College of Denver currently offers three certificates in business administration.

- Customer Service
- Entrepreneurship
- Supply Chain Management

Customer Service
A certificate in customer service prepares you for an entry-level position in customer service. Effective customer service is an integral part of today's business environment. You will gain the skills to prepare you for a career in customer service. A customer service certificate teaches you how to communicate with customers, resolve customer problems, build relationships and develop strategies to positively impact profitability.

COURSE MAP

Code	Title	Credits
BUS 1015	Introduction to Business	3
MAR 1060	Customer Service	3
MAR 2016	Principles of Marketing	3
Total Credits		**9**

Entrepreneurship
This certificate allows you explore entrepreneurship and turn your ideas into action. This certificate can be completed in as few as two semesters and will give you the foundation to start your own business or to bring your entrepreneurial spirit to a career in an existing company. Also, the classes in this certificate count toward the classes you need to graduate with an Associate of Applied Science in marketing here at CCD.

COURSE MAP

Course	Title	Credits
First Semester		
BUS 1015	Introduction to Business	3
ACC 1011	Introduction to Financial Accounting	3
MAR 1011	Principles of Sales	3
	Subtotal	**9**
Second Semester		
MAR 1060	Customer Service	3

MAN 1060	Entrepreneurship	3
MAR 2016	Principles of Marketing	3
	Subtotal	**9**
	Total Credits	**18**

Supply Chain Management
Students who successfully earn a CCD certificate in Supply Chain Management will have a comprehensive understanding of global supply chain management (SCM) along with the skills needed to apply SCM practices in business enterprises. SCM professionals operate in a dynamic environment often managing critical operations for their companies related to managing material, information and cash flows through the global value chain. Some activities for which SCM professionals are responsible include distribution, warehousing, purchasing, transportation, production operations, forecasting, trade compliance, and strategic sourcing. Students will demonstrate knowledge and skills adequate to assume entry-level SCM positions in a wide variety of industries.

Course	Title	Credits
First Semester		
BUS 1015	Introduction to Business	3
CIS 1018	Introduction to PC Applications	3
MAR 1060	Customer Service	3
	Subtotal	**9**
Second Semester		
MAR 2016	Principles of Marketing	3
MAN 1005	Logistics Management	3
BUS 2003	Introduction to International Business	3
	Subtotal	**9**
Third Semester		
BUS 2001	Business Logistics Optimization	3
BUS 2002	Business Purchasing, Supply, and Sourcing Logistics	3
MAN 2026	Principles of Management	3
	Subtotal	**9**
	Total Credits	**27**

Education Pathway

Inspire others as an early childhood educator, where you will lay a foundation for child development and learning. Work as a teacher assistant in schools or child care centers, or continue on to earn a bachelor's degree and teacher certification.

Program Name	Degree Type
EARLY CHILDHOOD EDUCATION PROGRAM	
- Early Childhood Education Transfer Major	Associate of Arts[1]
- Early Childhood Education Director	Certificate
- Early Childhood Education Teacher, Level I	Certificate
- Para-Professional Educator	Certificate
ELEMENTARY EDUCATION PROGRAM	
- Elementary Education Transfer Major	Associate of Arts[1]

[1] Denotes a "Transfer Major" that has a statewide transfer degree plan or a statewide transfer articulation program in place and is fully transferable in its entirety into any Colorado public four-year program. Transfer Majors are awarded with a specific program designation major on the transcript. See an academic advisor for more information.

Early Childhood Education

Associate of Arts Degree
Education Pathway
CCD.edu/ECE

Early Childhood teacher Education Transfer Major

The following courses represent the statewide transfer agreement between the Colorado Community College System and all Colorado four-year institutions offering early childhood teacher education preparation programs.

The first 51 credit hours are common for all transfer institutions. The final 9 elective credits must be determined carefully as they are specific to the receiving institution (please refer to the footnotes). The four-year college or university will accept all credits in your early childhood education graduation agreement earned within 10 years of transfer. Courses earned more than 10 years earlier will be evaluated on an individual basis. Meet with your academic advisor to select appropriate electives.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
ECE 1011	Introduction to Early Childhood Education	3
ART 1110	Art Appreciation: GT-AH1	3
LIT 2055	Children`s Literature: GT-AH2	3
GEO 1005	World Regional Geography: GT-SS2	3
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
MAT 1240	Math for Liberal Arts: GT-MA1	4
ECE 1031	Guidance Strategies for Young Children	3
ECE 1045	Introduction to Early Childhood Education Techniques	3
Choose One Course Based on your Transfer Institution		3
ECE 1111	Infant and Toddler Theory and Practice [1,4,6]	
PSY 2440	Human Growth and Development: GT-SS3 [2,3]	
ECE 2411	Administration:Human Relations for Early Childhood Education [5]	
	Subtotal	**16**
Third Semester		
ECE 2621	ECE Curriculum Development: Methods and Techniques	3
ECE 2381	ECE Child Growth and Development	3
SCI 1055	Integrated Science with Lab: GT-SC1 [7]	4
Choose One Course Based on your Transfer Institution		3
ECE 1125	Introduction to Infant/Toddler Lab Techniques [1]	
ECE 2051	Nutrition, Health and Safety [2,5]	
COM 1150	Public Speaking [4]	
ECE 2411	Administration:Human Relations for Early Childhood Education [1,3,6]	
	Subtotal	**13**
Fourth Semester		
ECE 2101	Working with Parents, Families, and Community Systems	3
SCI 1056	Integrated Science II with Lab: GT-SC1 [7]	4
PSY 1001	General Psychology I: GT-SS3	3
Choose One History Course (GT-HI1)		3
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 1220	U.S. History Since the Civil War: GT-HI1	
Choose One Course Based on your Transfer Institution		3
MAT 1260	Intro to Statistics: GT-MA1 [2]	
ECE 2651	Language and Literacy [3]	
PSY 1002	General Psychology II: GT-SS3 [4]	
ECE 2401	Administration of Early Childhood Care and Education Programs [5,6]	
ECE 1125	Introduction to Infant/Toddler Lab Techniques [1]	
	Subtotal	**16**
	Total Credits	**60**

[1] Adams State University
[2] Colorado State University
[3] Fort Lewis College
[4] Metropolitan State University

[5] University of Colorado Denver
[6] University of Northern Colorado
[7] Students must pass with a C- or higher in BOTH SCI 1055 and SCI 1056 to satisfy the GT Pathways science requirement.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Certificates
Education Pathway
CCD.edu/ECE

Community College of Denver currently offers three certificates in early childhood education.

- Early Childhood Education Director
- Early Childhood Teacher, Level I
- Para-Professional Educator (Early Childhood Teacher, Level II)

Early Childhood Education Director
This program prepares you for director-qualified positions in early childhood care and education settings. A grade of C or better is required in all certificate and degree courses. Upon completing the director certificate requirements, you will also have met the requirements for the early childhood teacher, level I and level II - ECE certificates. The certificate is fully transferable to the early childhood education A.A.S. degree. Please see your academic advisor about this certificate.

This curriculum meets Colorado Human Services licensing education requirements. In addition to this academic requirement, the Colorado Department of Human Services requires 24 months (3,640 hours) of work experience.

To ensure success in the program, ECE credits older than seven years should not be used towards a currently offered certificate or degree. The program chair can make exceptions for you if you are continually employed in the field (at least 3/4 time) after completing the course.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. See your academic advisor for more information.

NOTE: Background checks will be required for some courses in this program and for employment in this field.

COURSE MAP

Course	Title	Credits
First Semester		
ECE 1011	Introduction to Early Childhood Education	3
ECE 1045	Introduction to Early Childhood Education Techniques	3
ECE 1031	Guidance Strategies for Young Children	3
ECE 1111	Infant and Toddler Theory and Practice	3
ECE 2051	Nutrition, Health and Safety	3
	Subtotal	**15**
Second Semester		
ECE 2621	ECE Curriculum Development: Methods and Techniques	3
ECE 2381	ECE Child Growth and Development	3
ECE 2401	Administration of Early Childhood Care and Education Programs	3
ECE 2411	Administration:Human Relations for Early Childhood Education	3
ECE 2601	The Exceptional Child	3
	Subtotal	**15**
	Total Credits	**30**

Early Childhood Teacher, Level I

This program is not eligible for federal student aid.

This program prepares you for entry-level positions in early childhood care and education settings. A grade of C or better is required in all certificate and degree programs. In addition to this academic requirement, the Colorado Department of Human Services requires work experience.

All early childhood teacher, level I - ECE certificate credits apply toward the requirements of the A.A.S. degree and certificates in early childhood education.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. See your academic advisor for more information.

NOTE: Background checks will be required for employment in this field.

COURSE MAP

Code	Title	Credits
Choose One Early Childhood Education Course		3
ECE 1011	Introduction to Early Childhood Education	
ECE 1031	Guidance Strategies for Young Children	
Choose One Early Childhood Education Course		3
ECE 1045	Introduction to Early Childhood Education Techniques	
ECE 1111	Infant and Toddler Theory and Practice	
ECE 2621	ECE Curriculum Development: Methods and Techniques	
ECE 2381	ECE Child Growth and Development	
ECE 2411	Administration:Human Relations for Early Childhood Education	
ECE 2101	Working with Parents, Families, and Community Systems	
Total Credits		**6**

PARA-PROFESSIONAL EDUCATOR
EARLY CHILDHOOD TEACHER, LEVEL II

This program prepares you for preschool group leader or infant toddler positions in early childhood care and education settings. A grade of C or better is required in all certificate and degree courses. In addition to this academic requirement, the Colorado Department of Human Services requires work experience.

All early para-professional educator certificate credits apply toward the requirements of the A.A.S. degree in early childhood education. The para-professional educator certificate credits are fully transferable to the early childhood education director certificate if the program requirements are carefully selected with the assistance of your academic advisor.

To ensure success in the program, ECE credits older than seven years should not be used towards a currently offered certificate or degree. The program chair can make exceptions for you if you are continually employed in the field (at least 3/4 time) after completing the course.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. See your academic advisor for more information.

NOTE: Background checks will be required for some courses in this program and for employment in this field.

COURSE MAP

Course	Title	Credits
First Semester		
ECE 1045	Introduction to Early Childhood Education Techniques	3
ECE 1031	Guidance Strategies for Young Children	3
Choose One Elective [1]		3
EDU 2211	Introduction to Education	

ECE 1011	Introduction to Early Childhood Education	
	Subtotal	**9**
Second Semester		
ECE 2381	ECE Child Growth and Development	3
ECE 2601	The Exceptional Child	3
Choose One Elective [2]		3
ECE 2621	ECE Curriculum Development: Methods and Techniques	
ECE 1111	Infant and Toddler Theory and Practice	
	Subtotal	**9**
	Total Credits	**18**

Elementary Education

Associate of Arts Degree
Education Pathway
CCD.edu/Elementary-Ed

Elementary Education Transfer Major
The following courses represent the statewide transfer agreement between the Colorado Community College System and all Colorado four-year institutions offering elementary education teacher preparation programs.

The first 41 credit hours are common for all transfer institutions. The final 19 elective credits must be determined with the assistance of your academic advisor as they are specific to the receiving institution. ENG 1021 must be completed with a grade of B or better for transfer. The four-year college or university will accept all credits in your education graduation agreement earned within 10 years of transfer. Courses earned more than 10 years earlier will be evaluated on an individual basis. Contact your academic advisor to select appropriate electives.

This program does not transfer to University of Colorado Denver.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [8]	3
EDU 2211	Introduction to Education	3
ART 1110	Art Appreciation: GT-AH1	3
LIT 2055	Children`s Literature: GT-AH2	3
GEO 1005	World Regional Geography: GT-SS2	3
EDU 2088	Practicum II	1
	Subtotal	**16**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
MAT 1220	Integrated Math I: GT-MA1	3
PSC 1011	American Government: GT-SS1	3
PSY 2441	Child Development: GT-SS3	3
	Subtotal	**12**
Third Semester		
LIT 1015	Introduction to Literature I: GT-AH2	3
SCI 1055	Integrated Science with Lab: GT-SC1	4
MAT 1230	Integrated Math II: GT-MA1	3
EDU 2341	Multicultural Education	3
HIS 1220	U.S. History Since the Civil War: GT-HI1	3
	Subtotal	**16**
Fourth Semester		
SCI 1056	Integrated Science II with Lab: GT-SC1	4
EDU 2611	Teaching, Learning and Technology	3
Choose 9 Credits Based on your Transferring Institution		9
EDU 2401	Teaching the Exceptional Learners [1,3,4,5,6,7]	
ECO 2001	Principles of Macroeconomics: GT-SS1 [4, 6]	
MAT 1340	College Algebra: GT-MA1 [6]	
ECE 2101	Working with Parents, Families, and Community Systems [1]	
SPA 1015	Spanish for the Professional I [1]	

HWE 1050	Human Nutrition [4]	
HIS 1210	U.S. History to Reconstruction: GT-HI1 [5,7]	
PSY 2440	Human Growth and Development: GT-SS3 [2,3]	
COM 1150	Public Speaking [2]	
SOC 1001	Introduction to Sociology I: GT-SS3 [2]	
HIS 1120	The World: 1500-Present: GT-HI1 [3,5]	
MAT 1260	Intro to Statistics: GT-MA1	
EDU 2331	English Language Learning (K-6) [7]	
	Subtotal	**16**
	Total Credits	**60**

[1] University of Colorado Denver
[2] Metropolitan State University of Denver
[3] University of Colorado Boulder
[4] University of Colorado Colorado Springs
[5] University of Northern Colorado
[6] Western Colorado University
[7] Adams State University
[8] Some educator preparation programs require a B- in ENG 121 as an admission requirement. However, a C- or better guarantees the general education GT-CO1 requirement has been met.
[9] Completion of MAT 1220 & MAT 1230 with a C- or higher will satisfy the GT- Pathways math requirement at some institutions but not all. At the receiving institution's discretion, students may be asked to complete a GT-MA1 approved course.
[10] This program does not align to the Colorado Mesa.

Note: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Health Sciences Pathway

Healthcare continues to be one of the fastest growing professions in the country. The Health Sciences pathway offers the skills that are in demand and prepares student for health careers in several medical areas including nursing, radiology, surgical technology, dental hygiene, medical assisting, phlebotomy, nutrition, public health, health exercise sciences, health informatics, and veterinary technology."

Program Name	Degree Type
DENTAL HYGIENE PROGRAM	
- Dental Hygiene	Associate of Applied Science
- Dental Hygiene	Bachelor of Applied Science
EMERGENCY MEDICAL SERVICE PROGRAM	
- Emergency Medical Technician	Certificate
HEALTH AND EXERCISE SCIENCE	
- Health and Exercise Science	Associate of Science
- Personal Trainer	Certificate
HEALTHCARE INFORMATICS	
- HealthCare Informatics	Bachelor of Applied Science
MEDICAL ASSISTING PROGRAM	
- Medical Assisting	Associate of Applied Science
- Medical Assisting	Certificate
NURSING PROGRAM	
- Integrated Nursing Pathway	Associate of General Studies
- Practical Nursing	Certificate
NURSE AIDE PROGRAM	
- Nurse Aide	Certificate
NUTRITION PROGRAM	
- Nutrition	Associate of Science
- Food, Nutrition & Wellness	Certificate
PHLEBOTOMY	
- Phlebotomy	Certificate
PUBLIC HEALTH	
- Public Health	Associate of Arts
RADIOLOGIC TECHNOLOGY PROGRAM	
- Radiologic Technology	Associate of Applied Science
- Computed Tomography	Certificate
- Mammography	Certificate
- Magnetic Resonance Imaging	Certificate
SURGICAL TECHNOLOGY PROGRAM	
- Surgical Technology	Associate of Applied Science
- Sterile Processing Technology	Certificate
VETERINARY TECHNOLOGY PROGRAM	
- Veterinary Technology	Associate of Applied Science
- Veterinary Technology Assistant	Certificate

Dental Hygiene

Associate of Applied Science Degree
Health Sciences Pathway- at Lowry
CCD.edu/Dental

Dental Hygiene
The Associate of Applied Science (A.AS.) in dental hygiene prepares you to practice as a professional dental hygienist following successful completion of 28 credit hours of prerequisites and 63-credit hours of professional study. After successful completion of the program, you will be eligible to take the National Board Dental Hygiene Exam (NBDHE) and regional/state clinical board exams. These exams are necessary to become a licensed, registered dental hygienist. Successful completion of the prerequisite courses and the full dental hygiene curriculum results in an A.AS. in dental hygiene. This program is accredited by the Commission on Dental Accreditation (CODA).

Dental hygienists are licensed preventive oral health professionals who provide educational, clinical, and therapeutic services in dentistry. Dental hygienists perform procedures such as oral prophylaxis, application of preventive agents, exposure of dental radiographs, patient education and nutritional counseling. Career opportunities for hygienists are available in a variety of settings including private dental practices, community dental health clinics, public schools, clinical and basic science research laboratories, state and federal health facilities, and management positions.

Dental hygiene is a selective admissions program. Applications are available August 15 and must be submitted online no later than December 1 of each year to be considered for admission into the class beginning fall of the next academic year. Admission into the program is based upon a 100-point system, details of which can be found at CCD.edu/Dental.

To find out more information about the dental hygiene program requirements, prerequisites, and application process, visit CCD.edu/Dental.

COURSE MAP
Prerequisites

Code	Title	Credits
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
BIO 2104	Microbiology with Lab: GT-SC1 [4]	4
CHE 1009	General, Organic, and Biochemistry [7]	4
ENG 1021	English Composition I: GT-CO1 [2]	3
COM 1150	Public Speaking [6]	3
PSY 1001	General Psychology I: GT-SS3 [3]	3
SOC 1001	Introduction to Sociology I: GT-SS3 [5]	3

Requirements

Course	Title	Credits
First Semester		
Summer		
DEH 1005	Introduction to Dental Hygiene [1]	1
	Subtotal	**1**
Second Semester		
Fall		
DEH 1001	Preclinical Dental Hygiene Lecture	2
DEH 1002	Preclinical Dental Hygiene Lab	3
DEH 1003	Dental Anatomy and Histology	3
DEH 1004	Dental Radiology	3
DEH 1011	Dental and Medical Emergencies	2
DEH 1023	Head & Neck Anatomy	1
	Subtotal	**14**
Third Semester		
Spring		
DEH 1022	Periodontics I	2
DEH 1026	Dental Materials	2
DEH 1053	Clinical Theory of Dental Hygiene I	2
DEH 1070	Clinical Practice of Dental Hygiene I	4
DEH 2002	Applied Nutrition in Dentistry	2
DEH 2013	General and Oral Pathology	3
	Subtotal	**15**
Fourth Semester		
Summer		
DEH 1035	Pain and Anxiety Control for the Dental Hygienist	2
DEH 1050	Dental Lasers: Theory and Practice	1
DEH 1071	Clinical Practice of Dental Hygiene I-A	2
	Subtotal	**5**
Fifth Semester		
Fall		
DEH 1032	Applied Pharmacology	2
DEH 2004	Community Dental Health I	2
DEH 2042	Periodontics II	2
DEH 2068	Clinical Theory of Dental Hygiene II	2
DEH 2070	Clinical Practice of Dental Hygiene II	6
DEH 1085	Independent Study [8]	1
	Subtotal	**15**
Sixth Semester		
Spring/Summer/Fall		
DEH 2021	Ethics and Practice Management	2
DEH 2025	Community Dental Health II	1
DEH 2071	Clinical Practice of Dental Hygiene III	7
DEH 2082	Periodontics III	1
DEH 2085	Clinical Theory of Dental Hygiene III	2
	Subtotal	**13**
	Total Credits	**63**

[1] The DEH 1005 course is taken after acceptance into the program the summer prior to the first semester.
[2] ENG 1022 can be substituted.
[3] PSY 1002, PSY 2221, PSY 2440, or PSY 2333 can be substituted if already completed prior to admission.
[4] BIO 2108 can be substituted if already taken prior to admission (not offered at CCD).
[5] SOC 1002, SOC 2018, or ANT 1001 can be substituted if already taken prior to admission.
[6] COM 1250 or COM 1260 can be substituted if already taken prior to admission.
[7] CHE 1009 can be substituted with CHE 1011 and CHE 1012 (both are required to substitute).
[8] DEH 1085 Independent Study can be taken in fall semester OR spring semester (and must be taken in one of those semesters).

Bachelor of Applied Science Degree
Health Sciences Pathway- at Lowry
CCD.edu/Dental-BAS

Dental Hygiene
Offered completely online, the Bachelor of Applied Science (B.A.S.) degree in dental hygiene is a degree-completion program. The program is designed to allow registered dental hygienists (RDH) an avenue to advance their dental hygiene education and increase their employment options. The RDH to B.A.S program will expand career options for individuals currently holding a certificate or associate degree in dental hygiene. The program offers flexibility in scheduling and the ability to continue working while advancing your education and ultimately your career opportunities.

Admission to the B.A.S. program requires an Associate of Arts (A.A.), Associate of Applied Science (A.A.S.), Associate of Science (A.S.) or certificate in dental hygiene from a Commission on Dental Accreditation (CODA) accredited dental hygiene program from which Community College of Denver (CCD) will accept transfer credits.** Candidates for the B.A.S. degree program will decide where they would like to place the emphasis of their coursework. Candidates can choose either public health or clinical teaching/education. Regardless of the path chosen, the coursework and internship experiences will facilitate the development of skills in administration, planning, leadership and research.

**CCD will accept transfer credit from post-secondary institutions accredited by one of the six regional accrediting associations. Credits earned at nationally accredited or unaccredited institutions may be transferable to CCD on a case-by-case basis.

Dental hygienists who have earned a B.A.S. in dental hygiene may be employed in a variety of settings beyond the traditional private practice dental setting. Career opportunities are expanded and can include community dental health clinics, public schools, clinical and basic science research laboratories, state and federal health facilities, office management, dental hygiene education, sales and marketing representatives, and entrepreneurial ventures.

Bachelor degree trained dental hygienists can develop program plans for public health institutions and organizations, participate in research, educate entry-level dental hygiene students and community groups, be employed within dental sales, medical sales, marketing organizations and consulting firms. Dental hygienists with an entrepreneurial spirit can develop their own unique niche to support dentistry and dental hygiene through continuing education, practice management and publications.

Applications for the B.A.S. in dental hygiene program are available beginning February 1st. A maximum of 25 individuals who meet the following criteria will be accepted into the B.A.S. program. Applications will close once 25 students have been accepted into the program.

- Satisfactory completion of all CCD general admissions criteria and admittance to CCD.
- Completion of a Commission on Dental Accreditation (CODA) accredited A.A., A.A.S., or certificate in dental hygiene, including 90 credit hours that can be accepted into Community College of Denver for transfer credit.
- A cumulative GPA of 2.5 or higher in all transferring dental hygiene degree coursework and dental hygiene prerequisite courses.
- Dental hygiene licensure: You must have an active license to practice dental hygiene in at least one state within the United States.
- Two letters of recommendation.
- Proof of Colorado residency or residency within a state under the National Council for State Authorization Reciprocity Agreements (SARA).
- Completion of a writing sample. Specific directions and criteria for the writing sample will be provided with the application materials.

BAS Degree Dental Hygiene Prerequisites
Before applying, you must meet the prerequisites for this program.

- Graduation from a CODA Accredited Dental Hygiene Program.*
  - Unofficial transcripts from your A.A., A.S., A.A.S., or certificate dental hygiene program, including prerequisite dental hygiene

coursework, must be submitted with your application for evaluation and review.

- Satisfactory completion of all CCD general admissions criteria.
- Current dental hygiene licensure to practice within the United States.
- A cumulative GPA of 2.5 or higher in all transferring dental hygiene degree coursework and dental hygiene prerequisite courses.
- Basic computer skills are necessary, including proficiency in Microsoft Excel, PowerPoint and Word, communication via email, and use of the Internet.
- Ready access to a computer with a stable Internet connection, Windows or Mac operating system, and webcam is mandatory as all coursework will be completed online
- Attend an orientation session on campus approximately one month prior to the start of the fall semester.

COURSE MAP
Eight Week: Summer Session- One Year Program Plan

Code	Title	Credits
Eight Week: Summer Session- One Year Program Plan		
MAT 1260	Intro to Statistics: GT-MA1	3

First Eight Weeks: Fall Semester- One Year Program Plan

Code	Title	Credits
First Eight Weeks: Fall Semester- One Year Program Plan		
DEH 3001	Advanced Careers in Dental Hygiene	3
DEH 3002	Research Methodologies	3

Second Eight Weeks: Fall Semester- One Year Program Plan

Code	Title	Credits
Second Eight Weeks: Fall Semester- One Year Program Plan		
DEH 3055	Social Issues in Oral Health	3
DEH 3026	Oral Health Promotion	3

First Eight Weeks: Spring Semester- One Year Program

Code	Title	Credits
First Eight Weeks: Spring Semester- One Year Program		
DEH 4012	Teaching Strategies and Methods for the Dental Hygiene Educator	3
DEH 4081	Internship I	2
Choose One Elective		3
DEH 3047	Dental Hygiene Business Administration	
DEH 3087	Leadership & Administration	
DEH 4002	Diversity and Cultural Competence Research: Relationship to the Delivery of Oral Health	

Second Eight Weeks: Spring Semester- One Year Program Plan

Code	Title	Credits
Second Eight Weeks: Spring Semester- One Year Program Plan		
DEH 4082	Internship II	2
Choose One Elective		3
DEH 3047	Dental Hygiene Business Administration	
DEH 3087	Leadership & Administration	
DEH 4002	Diversity and Cultural Competence Research: Relationship to the Delivery of Oral Health	

TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 120 CREDITS AS PER STATE REGULATION.

One Year Program*

*The program can be extended to two years using the following recommended program plan.

Summer: Required: MAT 1260
Year One: Required: DEH 3001, DEH 3055, DEH 4012

Year Two: Required: DEH 3002, DEH 3026, DEH 4081 and DEH 4082

NOTE: to earn a degree, all students must:

• take a minimum of 24 credits at the 3000/4000 level from BAS Dental Hygiene courses including required and elective courses.
• complete a minimum of 30 credits in residence at the Community College of Denver.
• complete a combined total of 120 credits including AA, AS or AAS dental hygiene prerequisites; AA, AS or AAS dental hygiene course work; and BAS dental hygiene course work.

"Additional elective credit hours will be needed for transfer students when dental hygiene transfer credits are 60 credits or less and/or dental hygiene prerequisites (General Education and Science) are less than 28 credits. To satisfy these hours, these additional credits can be taken from general electives at the 1000/2000 level and/or from Program Electives** listed above. General elective credit hours from the following prefixes: ANT, COM, HPR, HWE, and SPA may not be substituted for 3000/4000 level coursework.

Emergency Medical Service

Health Sciences Pathway
CCD.edu/

Emergency Medical Technician Certificate
This Emergency Medical Technician (EMT) certificate program is offered in partnership with the Denver Health Paramedic Division. The EMT 12-credit certificate program provides the knowledge and skills required to provide appropriate emergency care and transportation of patients suffering from traumatic insult/injury and/or medical nature. During the program, EMT students receive approximately 150 hours of both didactics and skills training from Denver Health paramedics who actively work in the field and will get the opportunity to learn in a high-volume, fast paced urban setting, gaining practical experience unmatched by any other EMT program in Colorado.

Students who successfully complete the program are eligible to test for the National Registry EMT (NREMT) Certification. Once NREMT certified, students can apply for the Colorado State EMT Certification.

The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). This agency may be reached at 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763. Telephone: 720.210.2350. www.caahep.org.

Course	Title	Credits
First Semester		
EMS 1021	EMT Fundamentals	3
EMS 1022	EMT Medical Emergencies	4
EMS 1023	EMT Trauma Emergencies	2
EMS 1024	EMT Special Considerations	2
EMS 1070	EMT Clinical	1
	Subtotal	**12**
	Total Credits	**12**

Health and Exercise Science

Associate of Science
Health Sciences Pathway
CCD.edu/

HEALTH AND EXERCISE SCIENCE
Fitness, Nutrition and Exercise Science are fascinating and dynamic, with a powerful role to play in promoting and sustaining health, fitness, and wellness. An Associate of Science degree in Health & Exercise Science prepares students to use their knowledge to educate individuals, clients, and their communities on fitness, healthy behaviors, wellness, and appropriate food choices.

CCD and MSU Denver have developed a transfer pathway from an Associate of Science in Health & Exercise Science (AS) to a Bachelor of Science in Exercise Science. The AS degree can be completed in 2-years at CCD with the remaining 2-years to complete the BS degree in Exercise

Science at MSU Denver. Required Exercise Science Courses EXS 1020 (Resistance Training Techniques), ESS 3110 (Med Topics for Ex Science), along with EXS 1640 Physical Fitness Techniques & Program will be taken at MSU Denver while still being a CCD student through an inter-institutional agreement.

Mid-way through the second semester of the first academic year, students will attend a transfer/admission event at CCD/MSU Denver or seek a meeting with the program director or advisor. This will be required so students can register for the inter-institutional course EXS 1020. Mid-way through the first semester of the second academic year, students will register for the inter-institutional courses ESS 3110, and EXS 1640 at MSU Denver.

Students interested or enrolled in this program will follow the program of study pathway. You are encouraged to meet with your CCD academic advisor and the Health and Wellness Program director to ensure you are on the right path, and to answer any questions. CCD and MSU Denver advising team will work together to answer your questions and ensure you feel supported on this journey.

Program highlights:

• Embedded certificate in food, nutrition, and wellness
• Embedded personal trainer certificate
• Pathway takes students from high school to a bachelors' degree
• Designed for transfer to MSU Denver our 4-year university, with established MOU articulation agreement.
• Inter-intuitional program; students take three (3) classes at MSU Denver that provide 9 credits of directly related prerequisites or core courses to finish the BS in exercise science at MSU Denver, while a CCD student. Saves time and money!
• The inter institutional courses bridge the gap between the 4-year and 2-year institutions
• Noncompetitive health care program option

Course	Title	Credits
First Semester		
HWE 1061	Fitness and Wellness	2
HWE 1050	Human Nutrition	3
MAT 1260	Intro to Statistics: GT-MA1	3
Choose One Composition Course (GT-CO1)		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
Choose One Communication Course		3
COM 1250	Interpersonal Communication: GT-SS3	
COM 1150	Public Speaking	
COM 2300	Intercultural Communication: GT-SS3	
	Subtotal	**14**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
HWE 1068	Certified Personal Trainer Preparatory Course	3
BIO 1111	General College Biology I with Lab: GT-SC1	5
HWE 1054	Applied Nutrition to Whole Food Cooking	3
	Subtotal	**14**
Third Semester		
PSY 1001	General Psychology I: GT-SS3	3
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
EXS 1020 (Resistance Training Techniques) at MSU Denver		3
Choose One History Course (GT-HI1)		3
HIS 2110	African American History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
ART 1111	Art History Ancient to Medieval: GT-AH1	
MUS 1025	History of Jazz: GT-AH1	

Course	Title	Credits
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1012	Ethics: GT-AH3	
PHI 1014	Comparative Religions: GT-AH3	
	Subtotal	**16**
Fourth Semester		
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
ESS 3110 (Med Topics for Ex Science) at MSU Denver		3
EXS 1640 (Physical Fitness Techniques & Program) at MSU Denver		3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2001	World Literature to 1600: GT-AH2	
HUM 1021	Humanities: Early Civilization: GT-AH2	
HUM 1022	Humanities: Medieval-Modern: GT-AH2	
HUM 1015	World Mythology: GT-AH2	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
PSY 1002	General Psychology II: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
SOC 1002	Introduction to Sociology II: GT-SS3	
	Subtotal	**16**
	Total Credits	**60**

Certificates
Health Sciences Pathway
CCD.edu/

Personal Trainer
Earn college credit while completing a personal trainer program at CCD. Completion of the Personal Trainer certificate will prepare participants for a career in health, wellness, and fitness. Students will use knowledge gained in the program to educate a variety of diverse individuals and their communities on fitness and healthy behaviors. In this certificate program, students will learn about the essentials to personal fitness training. The personal trainer certificate prepares students with foundational skills to enter entry level positions in areas around health and wellness and for those students interested in becoming a personal trainer.

Students who complete the certificate program are eligible to sit for the National Academy of Sports Medicine (NASM) certified personal trainer (CPT) exam.

After successful completion the 3 required courses, CCD students are eligible to take the NASM-certified personal trainer (CPT) exam if the additional requirements are met.

• Students will need to be 18 years of age
• Have a high school diploma or GED
• Complete a cardiopulmonary resuscitation (CPR) course that includes automated external defibrillator (AED) training. (Note: All CPR courses must include a live skills check. Online-only courses cannot be accepted. Exam candidates in the U.S. and Canada must also have AED training included in their CPR course.)

Students interested or enrolled in this program will follow the program of study pathway. You are encouraged to meet with your CCD academic advisor and the Health and Wellness Program director to ensure you are on the right path, and to answer any questions.

Certificate highlights:

• Students can be eligible to take the NASM-CPT exam to become a Certified Personal Trainer
• All courses are stackable into the AAS in Health and Exercise Science degree pathway that transfers to MSU Denver, where students can finish their BS degree in Exercise Science.
• Direct to work

- Much faster than average occupational growth in field of fitness trainers (15%) and (11%) growth in the field of exercise physiology.

The Personal Trainer certificate is not financial aid eligible as a standalone certificate, unless students have declared the AAS in Health & Exercise Science degree, and are taking the Personal Trainer certificate as part of that pathway.

Course	Title	Credits
First Semester		
HWE 1068	Certified Personal Trainer Preparatory Course	3
HWE 1050	Human Nutrition	3
HWE 1061	Fitness and Wellness	2
HWE 1080	Internship	1
	Subtotal	**9**
	Total Credits	**9**

HealthCare Informatics

Bachelor of Applied Science Degree
Health Sciences Pathway- at Lowry
CCD.edu

HEALTHCARE INFORMATICS
The Health Care Informatics Bachelor of Applied Science (BAS) degree is an interdisciplinary academic program that combines concepts in healthcare administration, information technology (IT), healthcare data analytics, Electronic Healthcare Records (EHR), performance enhancements, and organizational leadership, with real-world assignments to prepare students for a dynamic career in the field of health informatics. Graduates from this degree can pursue careers in fields such as hospital systems, private clinics, public health organizations, pharmaceutical companies, insurance companies, and private healthcare technology corporations.

The Bachelor of Applied Science (BAS) in Health Care Informatics offers a flexible upper level 60-credit-hour degree designed specifically for students who have earned an associate degree from a regionally accredited institution in health sciences, computer technology, business, or other related field.

The program will be primarily delivered on line, but it may include other delivery methods including traditional and hybrid.

Course	Title	Credits
First Semester		
HCI 3000	Health Care Systems and Organizations	3
CIS 2040	Database Design and Development	3
CSC 1019	Introduction to Programming	3
BIO 1016	Introduction to Human Disease: GT-SC2	3
ENG 1031	Technical Writing I: GT-CO1	3
	Subtotal	**15**
Second Semester		
HCI 3005	Healthcare Coding and Records	3
HCI 3010	Healthcare Information Technology and Electronic Health Records	3
HCI 3011	Health Information Systems Management	3
MAT 1260	Intro to Statistics: GT-MA1	3
HPR 3001	Communication in Health Care	3
	Subtotal	**15**
Third Semester		
HCI 4000	Epidemiology and Biostatistics	4
HCI 4005	Programming for Health Informatics	3
HCI 4006	Analytics for Healthcare	3
HCI 4015	Legal and Ethical Issues in Health Informatics	3
HPR 4011	Leadership and Management in Health Professions	3
	Subtotal	**16**
Fourth Semester		
HCI 4030	Research Methodology in Healthcare	3

Course	Title	Credits
HCI 4025	Project Management for Technology in Healthcare	3
HCI 4020	Healthcare Quality Management	3
HCI 4080	Internship	3
HCI 4089	Capstone	2
	Subtotal	**14**
	Total Credits	**60**

Medical Assisting

Certificate Bridge to Associate of Applied Science Degree
Health Sciences Pathway
CCD.edu/Medical-Assistant

MEDICAL ASSISTING
The medical assisting certificate and Associate of Applied Science (A.A.S.) degree programs provide training for both front-office administrative and back office clinical duties. Both programs are designed to train medical assistants in mastering clinical techniques such as pre-examination and examination assistance, obtaining medical histories and vital signs, minor office surgery, routine laboratory procedures, including phlebotomy and EKG, and maintaining and sterilizing equipment. Administratively, you will learn the necessary office skills to maintain a clinic, including answering telephones, greeting patients, handling correspondence, scheduling appointments, billing and bookkeeping. This program seeks to develop competent medical assistants to work in a variety of settings including, but not limited to, clinics and hospitals. Once you complete all of the prerequisite requirements and the full program curriculum, you will have achieved either a certificate or A.A.S. degree in medical assisting and will be eligible to sit for the national registry exam to become a credentialed medical assistant.

PROGRAM ADMISSION REQUIREMENTS
Refer to CCD.edu/Medical-Assistant for additional documents to be completed, prior to acceptance into the medical assisting program.

CERTIFICATE COURSE MAP

Course	Title	Credits
First Semester		
BIO 1006	Basic Anatomy and Physiology	4
BIO 1016	Introduction to Human Disease: GT-SC2	3
HPR 1039	Medical Terminology	2
MAP 1010	Medical Office Administration	4
	Subtotal	**13**
Second Semester		
MAP 1020	Medical Office Financial Management	4
MAP 2038	Medical Assisting Laboratory	4
MAP 2040	Medical Assisting Clinical Skills	4
MAP 1050	Pharmacology for Medical Assistants	3
	Subtotal	**15**
Third Semester		
MAP 1083	Medical Assistant Internship	4
MAP 2069	Review for Medical Assistant National Exam	1
	Subtotal	**5**
	Total Credits	**33**

Associate of Applied Science Course Map

Course	Title	Credits
First Semester		
BIO 1006	Basic Anatomy and Physiology	4
MAP 1010	Medical Office Administration	4
HPR 1039	Medical Terminology	2
BIO 1016	Introduction to Human Disease: GT-SC2	3
	Subtotal	**13**
Second Semester		
MAP 1020	Medical Office Financial Management	4
MAP 1050	Pharmacology for Medical Assistants	3
MAP 2038	Medical Assisting Laboratory	4

MAP 2040	Medical Assisting Clinical Skills	4
	Subtotal	**15**
Third Semester		
MAP 2069	Review for Medical Assistant National Exam	1
MAP 1083	Medical Assistant Internship	4
	Subtotal	**5**
Fourth Semester		
MAT 1260	Intro to Statistics: GT-MA1	3
PSY 1001	General Psychology I: GT-SS3	3
HWE 1050	Human Nutrition	3
Choose One Composition Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
ENG 1022	English Composition II: GT-CO2	
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1260	Communication in Healthcare	
COM 1250	Interpersonal Communication: GT-SS3	
COM 2300	Intercultural Communication: GT-SS3	
	Subtotal	**15**
Fifth Semester		
PSY 2440	Human Growth and Development: GT-SS3	3
Choose 9-12 Elective Credit Hours From the Lists Below		9-12
Elective Choice One		
NUA 1001	Nurse Aide Health Care Skills	
HPR 1080	Internship	
ANT 2550	Medical Anthropology: GT-SS3	
BIO 1111	General College Biology I with Lab: GT-SC1	
CIS 1018	Introduction to PC Applications	
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	
Elective Choice Two		
HPR 1020	Phlebotomy	
NUA 1070	Nurse Aide Clinical Experience	
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	
BIO 2104	Microbiology with Lab: GT-SC1	
MAT 1340	College Algebra: GT-MA1	
Elective Choice Three		
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	
BIO 2104	Microbiology with Lab: GT-SC1	
BIO 2116	Pathophysiology	
MAT 1340	College Algebra: GT-MA1	
CIS 1018	Introduction to PC Applications	
	Subtotal	**12-15**
	Total Credits	**60-63**

Nutrition

Associate of Science Degree
Health Sciences Pathway
CCD.edu/Nutrition

NUTRITION
Nutrition is a fascinating and dynamic science with a powerful role to play in promoting and sustaining health and wellness. In this two-year program, you'll be prepared for transfer to a 4-year university or apply for an entry-level nutrition-related position. An Associate of Science (AS.) in nutrition prepares you to educate individuals, patients and your community on healthy behaviors, wellness and appropriate food choices.

Earn your AS. in nutrition! It will provide you transfer opportunities to finish a 4-year degree or provide a wide range of career opportunities, including dietary aid, food coops, health clubs & spas, health food stores, wellness education and nutrition product sales. The projected job growth outlook in this field is estimated to increase 10-15 percent through 2030, faster than average.

Some careers and occupations require additional training, certification or education.

The Community College of Denver (CCD) and Metropolitan State University of Denver (MSU Denver) have developed a transfer pathway from an AS. in nutrition to a bachelor (B.S.) or masters (M.S.) in nutrition. The AS. degree can be completed in 2- years at CCD when following the prescribed degree plan. Upon transfer, students can choose to complete a B.S. or M.S. degree (3+2 program) in 2 to 3 additional years, depending on your desired career pathway. The 3+2 master's degree plan requires students finish 3 years of undergraduate college course work and the remaining 2-years are focused on graduate college course work.** Starting in 2024, students who want to pursue the registered dietitian (RD/RON) professional licensure will be required to have a M.S. degree.

Both pathways include required chemistry courses CHE 2100 & CHE 2150 (Introduction to Organic and Bio-chemistry with lab) along with NUT 1800 (Careers in Dietetics and Nutrition) and NUT 3400 (Nutrition and Weight Management) or NUT 3200 (Nutrition and Sports Performance) to be taken at MSU Denver while still being a CCD student through an inter-institutional agreement.

Students interested or enrolled in this program will need to follow the recommended degree pathway. You are encouraged to meet with your CCD academic advisor and the health and wellness program director. CCD and MSU Denver advising team will work together to answer your questions. Students are invited to attend a CCO/MSU Denver advising event during their first year in the program to learn more about the program, career opportunities and the inter-institutional program.

Fifth Semester important information-

Students will need to take CHE 2100/2150 Introduction to Organic & Biochemistry with Lab at MSU Denver the semester following graduation from CCD if the course was not taken as an elective in semester 4 at CCD (please ask the program director for a copy of the 4-year bachelor or 3+2 master degree completion plans for more information). It is important students follow this recommendation after CCD graduation. CHEM 2100/2150 are pre-requisites required for nutrition courses at MSU Denver. Timely
completion and graduation depend on students taking CHEM 2100/2150 the semester after CCD graduation.
**Students must meet MSU Denver application requirements for the master's program.

Program Highlights
• Students will automatically earn a certificate in food, nutrition and wellness at the end of your first year when following the suggested degree pathway.
• Students have the option to finish CCD's personal trainer certificate as an elective choice while completing the A.S. in nutrition degree.
• CCD has an articulation agreement with MSU Denver where your A.S. will seamlessly transfer.
• Continue on to a four-year degree* and you'll be prepared for career opportunities such as, food safety specialist, food scientist, nutritionist, nutrition product development, public health nutritionists, and educator.
• Continue with the 3+2 plan and earn your master's degree to prepare for a career opportunity as a registered dietitian in only 5 years.
• Scholarship opportunities are available for transfer and Phi Theta Kappa.
• As a student in this program, you can be a part of the Auraria Campus Student Dietetic Association and meet other students from CCD and MSU Denver who are also interested in nutrition and wellness.

*Some careers and occupations require additional training, certification or education.

Course	Title	Credits
First Semester		
HWE 1050	Human Nutrition	3
Choose One Mathematics Course (GT-MA1)		3-5
MAT 1340	College Algebra: GT-MA1	
MAT 1440	Pre-Calculus: GT-MA1	
MAT 1420	College Trigonometry: GT-MA1	

MAT 2410	Calculus I: GT-MA1	
Choose One Composition Course (GT-CO1)		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
Choose One Communication Course		3
COM 1250	Interpersonal Communication: GT-SS3	
COM 1150	Public Speaking	
COM 2300	Intercultural Communication: GT-SS3	
	Subtotal	**12-14**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
BIO 1111	General College Biology I with Lab: GT-SC1	5
PSY 1001	General Psychology I: GT-SS3	3
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
	Subtotal	**16**
Third Semester		
MAT 1260	Intro to Statistics: GT-MA1	3
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
NUT 1800 (Careers in Nutrition and Dietetics) at MSU Denver [3]		1
Choose One History Course (GT-HI1)		3
HIS 2110	African American History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
ART 1111	Art History Ancient to Medieval: GT-AH1 [1]	
MUS 1025	History of Jazz: GT-AH1 [1]	
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1012	Ethics: GT-AH3	
PHI 1014	Comparative Religions: GT-AH3 [1]	
Choose One Elective Course		2
HPR 1039	Medical Terminology	
HWE 1061	Fitness and Wellness	
	Subtotal	**16**
Fourth Semester		
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
NUT 3400 OR NUT 3200 (Nutrition & Weight Management or Nutrition & Sports Performance) at MSU Denver [3]		3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2 [2]	
LIT 2001	World Literature to 1600: GT-AH2	
HUM 1021	Humanities: Early Civilization: GT-AH2 [1]	
HUM 1022	Humanities: Medieval-Modern: GT-AH2 [1]	
HUM 1015	World Mythology: GT-AH2 [1]	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
SOC 1002	Introduction to Sociology II: GT-SS3	
Choose One Elective Course		3-5
PBH 2015	Introduction to Public Health: GT-SS3	
BIO 2104	Microbiology with Lab: GT-SC1	
HWE 1054	Applied Nutrition to Whole Food Cooking	
BIO 1016	Introduction to Human Disease: GT-SC2	

CHE 2100 & 2150 (Intro to Organic and Biochemistry with Lab) at MSU Denver [3]		
	Subtotal	**16-18**
	Total Credits	**60-64**

[1] Meet MSU Denver global diversity requirement
[2] Meet MSU Denver multicultural requirement
[3] MSU Denver Inter Institutional Course

NOTE: MSU Denver transfer agreement allows for any GT-HI1 course. Recommended GT-HI1 courses are: HIS 1110, 1120, 2005, 2015, 2110, or 2200. Recommended GT-HI1 course HIS 1110, 1120, 2005, 2110, 2015, 2200. Recommend HIS courses meet MSU Denver global diversity/multicultural requirement.

NOTE: MSU Denver transfer agreement allows for any two GT-AH1~GT-AH4 courses to meet the 6-credit GT-AH requirement. Recommended GT-AH1~GT-AH4 courses are: ART 1110, ART 1111, HUM 1015, HUM 1021, HUM 1022, LIT 1015, LIT 2005, LIT 2059, MUS 1023, PHI 1011, PHI 1012, PHI 1016.

NOTE: Students must choose their GT-AH courses from two different categories (GT-AH2, GT-AH3, GT-AH4).

Certificate
Health Sciences Pathway- at Lowry
CCD.edu/Nutrition

Community College of Denver currently offers one certificate degree in nutrition.

- Food, Nutrition & Wellness

Food, Nutrition & Wellness
This program is not eligible for federal student aid.

Nutrition is a fascinating and dynamic science with a powerful role to play in promoting and sustaining health and wellness. In this three-course certificate, you will explore various approaches to health and wellness through studying the concepts, values and applications of this exciting field of health science. In the first two courses, you will learn the fundamentals of nutrition, explore what it means to eat healthily, discover how to efficiently meal plan and grocery shop, and obtain techniques that will make cooking fun, easy and enjoyable! In the third and final course, you will focus on fitness and wellness, which will provide a foundation to design, implement and evaluate a complete personal fitness and wellness program.

This certificate is relevant for you if you are interested in pursuing an education in nutrition or health-related fields, health care professionals, nutritionists, personal trainers, wellness coaches, massage therapists, life coaches, teachers, caregivers; or if you have an interest in food, diet and optimal health.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores and/or prerequisites for courses in the program.

COURSE MAP

Code	Title	Credits
HWE 1050	Human Nutrition	3
HWE 1061	Fitness and Wellness	2
HWE 1054	Applied Nutrition to Whole Food Cooking	3
Total Credits		**8**

Nursing

Associate of General Studies Degree
Health Sciences Pathway
CCD.edu/INP

INTEGRATED NURSING PATHWAY
Community College of Denver (CCD) has partnered with the University of Colorado (CU Denver) to prepare you for a nursing career through the

competitive Integrated Nursing Pathways (INP) program. Once accepted into the program, you will complete the final 30 credits of required pathway classes at CCD and earn an Associate of General Studies (A.G.S.) degree. A minimum 3.0 GPA after taking 9 prerequisite classes is required for admittance into the program and must be maintained throughout. After graduating from CCD and maintained admission standards, you will automatically transition to the CU Denver College of Nursing in Aurora. Upon the successful completion of six more semesters of study, you will earn a Bachelor of Science in nursing.

PROGRAM ADMISSION REQUIREMENTS
The annual application deadline is March 31st, once prerequisite coursework is completed or will be completed by the end of the spring semester. A minimum of a 3.0 GPA is required to apply and will need to be maintained while taking the required pathway courses. Entry into the nursing program is a competitive process, and the INP program will accept a limited number of students each year. Once accepted, you will begin the program during the fall semester of the year of application and will complete the final 30 credits of required pathway classes at CCD and earn an A.G.S. degree.

For further information about this competitive program, please consult with the INP program coordinator at 303.365.8304 or visit CCD.edu/INP.

COURSE MAP

Course	Title	Credits
First Semester		
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	5
MAT 1340	College Algebra: GT-MA1	4
ENG 1021	English Composition I: GT-CO1	3
	Subtotal	**12**
Second Semester		
BIO 1111	General College Biology I with Lab: GT-SC1	5
MAT 1260	Intro to Statistics: GT-MA1	3
SOC 1001	Introduction to Sociology I: GT-SS3	3
	Subtotal	**11**
Third Semester		
PSY 1001	General Psychology I: GT-SS3	3
HWE 1050	Human Nutrition	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
ART 1111	Art History Ancient to Medieval: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
LIT 1015	Introduction to Literature I: GT-AH2	
HUM 1021	Humanities: Early Civilization: GT-AH2	
	Subtotal	**9**
Fourth Semester		
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
BIO 2104	Microbiology with Lab: GT-SC1	4
ENG 1022	English Composition II: GT-CO2	3
PHI 1012	Ethics: GT-AH3	3
	Subtotal	**14**
Fifth Semester		
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
ANT 2550	Medical Anthropology: GT-SS3	3
PSY 2440	Human Growth and Development: GT-SS3	3
HIS 1210	U.S. History to Reconstruction: GT-HI1	3
NUR 2013	Professional Pathway to Nursing	3
	Subtotal	**16**
	Total Credits	**62**

NOTE: This degree will be conferred as an A.G.S. degree. "Integrated Nursing Pathway Program" will not be listed on your transcript or diploma but will be recognized by the transferring institution for program admission. Students interested in completing an A.S. degree should consult with the INP program coordinator. Although the INP program requires 62 credits for completion, only 60 of those credits are fully transferable to CU Denver.

Certificates
Health Sciences Pathway

Practical Nursing
The Practical Nursing Program at Community College of Denver offers a comprehensive educational program that blends theoretical perspectives with professional practice. It provides students with the skills they need to care for the physical needs of patients while promoting their health, healing, and wellness.

As a practical nurse (PN), you will have access to varying employment opportunities:

- In long-term care facilities, the PN is often the team leader providing care to multiple residents.
- In outpatient clinic settings, the PN works in collaboration with doctors in treating and educating patients.
- In-home healthcare settings, the autonomous PN provides in-home care to patients ranging in age from pediatric to geriatric.
- In hospitals, PNs provide routine care in many different departments with varying duties.

The program prepares you to take the NCLEX-PN national licensing examination and for employment in many healthcare settings.

The program is approved by the Colorado State Board of Nursing. The program is applying for national accreditation with the Accreditation Commission for Education in Nursing (ACEN). Pending accreditation, practical nursing graduate's future educational options and career opportunities may be limited.

Application Requirements and Process

To be accepted into the program, you must be CPR (Basic Life Support) certified, have a negative background check and drug screen, have completed all medical requirements, have completed three prerequisite classes, and be accepted into the program.

Step-by-Step Application

CCD.edu/apply-practical-nursing-program

Program Prerequisites

Course	Title	Credits
First Semester		
BIO 1006	Basic Anatomy and Physiology	4
ENG 1021	English Composition I: GT-CO1	3
HPR 1039	Medical Terminology	2
	Subtotal	**9**
	Total Credits	**9**

COURSE MAP

Course	Title	Credits
First Semester		
Fall		
NUR 1003	Basic Health Assessment for the Practical Nurse	1
NUR 1016	Basic Concepts of Geriatric Nursing	1
NUR 1001	Pharmacology Calculations	1
NUR 1005	Practical Nursing Arts and Skills	6
	Subtotal	**9**
Second Semester		
Spring		
NUR 1010	Pharmacology for Practical Nursing	3
NUR 1002	Alterations in Adult Health I	4
NUR 1015	Basic Concepts of Mental Health Nursing	1
NUR 1070	Clinical I	3
NUR 1071	Clinical II	2
	Subtotal	**13**
Third Semester		
Summer		

NUR 1004	Alterations in Adult Health II	5
NUR 1011	Advancement into Practical Nursing	1
NUR 1013	Basic Concepts of Maternal-Newborn Nursing	2
NUR 1014	Basic Concepts of Pediatric Nursing	2
NUR 1072	Clinical III	1
NUR 1073	Clinical IV	3
	Subtotal	**14**
	Total Credits	**36**

PROGRAM CREDIT HOURS: 45 TOTAL

Nurse Aide

Certificate
Health Sciences Pathway
CCD.edu/Nurse-Aide

NURSE AIDE
This program is not eligible for federal student aid.

The nurse aide certificate prepares you to perform fundamental nursing skills for direct personal care to clients; helping the patient bathe, dress, walk, eat and other daily activities in a long-term facility, hospital or home. The skills are covered in theory, lab and 30 hours of clinical practice.
Clinical practice of nurse aides is regulated by the Colorado Board of Nursing. Colorado has a mandatory Nurse Aide Practice Act, which means that no one may practice as a certified nurse aide without obtaining certification. Students successfully completing the certificate in nurse aide program at CCD are eligible to take the Colorado Nurse Aide Certification Exam.

PROGRAM ADMISSION REQUIREMENTS
Please refer to CCD.edu/Nurse-Aide for additional documents to be completed, prior to acceptance into the nurse aide program.

Code	Title	Credits
NUA 1001	Nurse Aide Health Care Skills	4
NUA 1070	Nurse Aide Clinical Experience	1
Total Credits		**5**

NOTE: The Colorado Board of Nursing, which is responsible for overseeing nurse aides in Colorado, has varied restrictions that may affect persons with a history of a felony conviction. Community College of Denver assumes no responsibility for the denial of licensure by the State Board of Nursing. Prospective students are responsible for contacting the Board of Nursing at 303.894.2432 with any questions regarding their eligibility for licensure.

Phlebotomy

Certificate
Health Sciences Pathway
CCD.edu/Program/Phlebotomy

Phlebotomy
This program is not eligible for federal student aid

The phlebotomy certificate provides hands-on training to develop the entry-level skillsets necessary to be employed as a phlebotomist. This one-semester program includes seven-weeks in a lecture-lab environment with state-of-the-art simulation provided through Virtual Phlebotomy simulation and clinical placement.

This training prepares students for the NHA examination (National Health Careers Association) to become a certified phlebotomy technician. Although certification is not required to work in Colorado as a phlebotomist, it is highly recommended as it enables students to be more marketable nationwide.

This certificate is designed to provide the student with entry-level skills required for employment as a phlebotomist. Both Phlebotomy (HPR 1020) and Internship (HPR 1080) must be successfully completed with a "C" or better to enable students to sit for a national certifying exam. HPR 1020 is a lecture and lab course whereas HPR 1080 is a clinical placement and a classroom component to prepare for the national exam. There are four

agencies that recognize the CCD's phlebotomy program; students may choose which agency to sit for their certifying exam: American Society for Clinical Pathologist (ASCP), National Health Career Association (NHA), American Medical Technologist (AMT), and National Center for Competency Testing (NCCT).

PROGRAM ADMISSION REQUIREMENTS
- A phlebotomy student should enter the program with basic computer skills to include, but not limited to; word processing, the creation of PowerPoint presentations, and use email. Students must have access to a computer as most faculty utilize email and educational learning platforms at the college for communication and course delivery. If you feel under-prepared in this area, please consider taking CIS 1010 – Introduction to Computing Technology.
- Have current immunizations are required by program
- Complete a background check and a 10-panel drug screen prior to clinical placement (students are subject to random drug-screening throughout the program)
- Obtain a TB skin test or negative verification
- Obtain a Flu vaccine (during flu season)
- Demonstrate College Readiness (CCD.edu/CollegeReady).

COURSE MAP

Code	Title	Credits
HPR 1020	Phlebotomy	4
HPR 1080	Internship	3
Total Credits		**7**

Public Health

Associate of Arts Degree
Health Sciences Pathway
CCD.edu/

Public Health
UNIVERSITY OF COLORADO DENVER TRANSFER
What is Public Health? Public health promotes and protects the health of people and the communities where they live, learn, work and play. Public health offers career paths in government, non-profit organizations, healthcare, education, at local community clinics, or can even provide job opportunities outside of the United States. Students may explore career opportunities in the private or public sectors. Public health students develop necessary skills in communication, critical thinking, adaptability and scientific analysis. Students also learn to value difference and diversity, and develop system-thinking skills. Public health students gain an interdisciplinary foundation in biology, psychology, and communication that equips them with the fundamental skills needed to further their health education.

Interested students in this degree pathway should have a passion for promoting health and education, preventing disease, and helping establish healthy communities, with a strong desire to serve diverse and vulnerable populations.

Designed for transfer to a four-year university. A full-time student can complete the A.A. Public Health degree in two years. Career paths in the public health workforce are diverse and include epidemiology, environmental health, health education, research, public health policy and administration, and community health. The current and projected growth of public health careers is strong. To learn more about careers in public health, visit the APHA.org website

Program highlights:
The Community College of Denver (CCD) has developed an A.A. in Public Health with an articulation agreement to our partner 4-year university. Students can complete an A.A. in Public Health at the Community College of Denver and transfer to complete a Bachelor's degree from the University of Colorado Denver [B.A. Public Health.]

COURSE MAP

Course	Title	Credits
First Semester		
PBH 2015	Introduction to Public Health: GT-SS3	4

MAT 1260	Intro to Statistics: GT-MA1	3
Choose One Elective		3
HWE 1050	Human Nutrition	
HPR 1000	Introduction to Health	
Choose One Composition Course (GT-CO1)		3
ENG 1031	Technical Writing I: GT-CO1	
ENG 1021	English Composition I: GT-CO1	
Choose One Communication Course		3
COM 1150	Public Speaking [1]	
COM 1250	Interpersonal Communication: GT-SS3	
COM 2300	Intercultural Communication: GT-SS3	
	Subtotal	**16**
Second Semester		
PSY 1001	General Psychology I: GT-SS3	3
BIO 1016	Introduction to Human Disease: GT-SC2	3
ENG 1022	English Composition II: GT-CO2	3
HPR 1039	Medical Terminology	2
Choose One Natural & Physical Science Course (GT-SC1)		4-5
BIO 1111	General College Biology I with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
	Subtotal	**15-16**
Third Semester		
HCI 4000	Epidemiology and Biostatistics	4
Choose One Natural & Physical Science Course (GT-SC1)		4-5
BIO 1112	Gen College Biology II with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
MUS 1020	Music Appreciation: GT-AH1	
PHI 1011	Intro to Philosophy: GT-AH3	
LIT 2059	Survey of African American Literature: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
ANT 2550	Medical Anthropology: GT-SS3	
PSY 2222	Psychology of Death and Dying: GT-SS3	
SOC 2037	Sociology of Death and Dying: GT-SS3	
	Subtotal	**14-15**
Fourth Semester		
Choose One Elective		3
HWE 1050	Human Nutrition	
HPR 1000	Introduction to Health	
HCI 4030	Research Methodology in Healthcare	
Choose One History Course (GT-HI1)		3
HIS 2110	African American History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2510	Modern Middle East: GT-HI1	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
Choose One Philosophy Course		3
PHI 1012	Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3 [1]	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
MUS 1020	Music Appreciation: GT-AH1	
LIT 2059	Survey of African American Literature: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	

LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
	Subtotal	**15**
	Total Credits	**60-62**

[1] Will satisfy CU Denver CLAS Communicative Skill.

PUBLIC HEALTH
Metropolitan State University of DENVER TRANSFER

What is Public Health? Public health promotes and protects the health of people and the communities where they live, learn, work and play. Public health offers career paths in government, non-profit organizations, healthcare, education, at local community clinics, or can even provide job opportunities outside of the United States. Students may explore career opportunities in the private or public sectors. Public health students develop necessary skills in communication, critical thinking, adaptability and scientific analysis. Students also learn to value difference and diversity, and develop system-thinking skills. Public health students gain an interdisciplinary foundation in biology, psychology, and communication that equips them with the fundamental skills needed to further their health education.

Interested students in this degree pathway should have a passion for promoting health and education, preventing disease, and helping establish healthy communities, with a strong desire to serve diverse and vulnerable populations.

Designed for transfer to a four-year university. A full-time student can complete the A.A. Public Health degree in two years. Career paths in the public health workforce are diverse and include epidemiology, environmental health, health education, research, public health policy and administration, and community health. The current and projected growth of public health careers is strong. To learn more about careers in public health, visit the APHA.org website

Program highlights:

The Community College of Denver (CCD) has developed an A.A. in Public Health with an articulation agreement to our partner 4-year university. Students can complete an A.A. in Public Health at the Community College of Denver and transfer to complete a) B.A. in Public Health from Metropolitan State University of Denver (MSU Denver).

Course	Title	Credits
First Semester		
MAT 1260	Intro to Statistics: GT-MA1	3
PBH 2015	Introduction to Public Health: GT-SS3	4
Choose One Elective Course		3
HWE 1050	Human Nutrition	
HPR 1000	Introduction to Health	
Choose One Composition Course (GT-CO1)		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	
COM 2300	Intercultural Communication: GT-SS3	
	Subtotal	**16**
Second Semester		
PSY 1001	General Psychology I: GT-SS3	3
ENG 1022	English Composition II: GT-CO2	3
BIO 1016	Introduction to Human Disease: GT-SC2	3
HPR 1039	Medical Terminology	2
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
BIO 1111	General College Biology I with Lab: GT-SC1 [1]	
BIO 1005	Science of Biology with Lab: GT-SC1 [2]	
	Subtotal	**15-16**
Third Semester		
HCI 4000	Epidemiology and Biostatistics	4
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
BIO 1112	Gen College Biology II with Lab: GT-SC1	

ANT 1005	Biological Anthropology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
MUS 1020	Music Appreciation: GT-AH1	
LIT 2059	Survey of African American Literature: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 2550	Medical Anthropology: GT-SS3	
PSY 2222	Psychology of Death and Dying: GT-SS3	
SOC 2037	Sociology of Death and Dying: GT-SS3	
	Subtotal	**14-15**
Fourth Semester		
Choose One Elective Course		3
HCI 4030	Research Methodology in Healthcare	
HWE 1050	Human Nutrition	
HPR 1000	Introduction to Health	
Choose One History Course (GT-HI1)		3
HIS 2110	African American History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2510	Modern Middle East: GT-HI1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
Choose One Philosophy Course		3
PHI 1012	Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH3)		3
ART 1110	Art Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
MUS 1020	Music Appreciation: GT-AH1	
LIT 2059	Survey of African American Literature: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
	Subtotal	**15**
	Total Credits	**60-62**

[1] If you choose this course, you have to continue with BIO 1112 in the pathway.
[2] If you choose this course, you must take ANT 1005 in the pathway.

Pathway Notes:

- MOU allows any two GT-AH courses to meet the 6 credit GT-AH requirement.
- Natural and Physical Science section allows for BIO 1111 and BIO 1112 to be used as course subs for BIO 1005 and ANT 1111 (variable credit section).
- MOU allows for any GT-HI1 course. Recommend HIS courses that meat global diversity/multicultural requirement.

Radiologic Technology

Associate of Applied Science Degree
Health Sciences Pathway- at Lowry
CCD.edu/Radiologic-Technology

Radiologic Technology
In this program, you will learn to perform diagnostic x-ray procedures in a variety of settings, surgical suites, emergency rooms, within hospitals and clinics. Upon successful completion of the program, you will become part of a dynamic healthcare profession. This full-time program consists of academic courses and internships that are taken concurrently throughout 22 months. You will work with state-of-the-art equipment in our two energized x-ray labs, which includes mobile x-ray and fluoroscopy units, anthropomorphic phantoms, while utilizing the latest imaging technology. After successful completion of the program requirements, students will earn an Associate of Applied Science (A.A.S.) degree and are eligible to take the national certification examination through the American Registry of Radiologic Technologists (ARRT).

This program is accredited by the Joint Committee on Education in Radiologic Technology.

JRCERT can be contacted at JRCERT.org and in writing or by phone at:

The Joint Review Committee on Education in Radiological Technology

20 North Wacker Drive, Suite 2850

Chicago, Illinois 60606-3182

312.704.3500

mail@jrcert.org

Over the past five years, our graduates have had 100 percent job placement success in the field since 2016 and maintained a 92 percent pass rate on the ARRT exam. The average employment growth rate expected in the next 10 years is 9 percent for the U.S., and 33 percent in Colorado. Average entry-level wages are $26 per hour. Graduates can add to their skills with post-primary certification in other diagnostic imaging modalities, three are offered at CCD: computed tomography, magnetic resonance, and mammography.

PROGRAM ADMISSION REQUIREMENTS
For admissions requirements and application, please visit CCD.edu/Radiologic-Technology.

PREREQUISITES

Course	Title	Credits
First Semester		
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
MAT 1340	College Algebra: GT-MA1 [1]	4
Choose One Elective		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
Choose One Elective		3
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
	Subtotal	**14**
Second Semester		
RTE 1001	Introduction to Radiography	2
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
	Subtotal	**6**
	Total Credits	**20**

COURSE MAP

Course	Title	Credits
Freshman		
Fall		
RTE 1011	Radiographic Patient Care	2
RTE 1021	Radiologic Procedures I	3
RTE 1041	Radiographic Equipment and Imaging I	3
RTE 1081	Radiographic Internship I	5
	Subtotal	**13**
Spring		
RTE 1022	Radiologic Procedures II	3
RTE 1031	Radiographic Pathology and Image Evaluation I	1.5
RTE 1042	Radiographic Equipment and Imaging II	3

RTE 1082	Radiographic Internship II	5
	Subtotal	**12.5**
Summer		
RTE 1083	Radiographic Internship III	7
	Subtotal	**7**
Sophomore		
Fall		
RTE 2021	Advanced Medical Imaging	3
RTE 2031	Radiation Biology/Protection	2
RTE 2081	Radiographic Internship IV	8
	Subtotal	**13**
Spring		
RTE 1032	Radiographic Pathology and Image Evaluation II	1.5
RTE 2082	Radiographic Clinical Internship V	8
RTE 2089	Radiographic Capstone	3
	Subtotal	**12.5**
	Total Credits	**58**

TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 78 CREDIT HOURS

[1] MAT 1340 is 4 credit hours at Community College of Denver, however a 3 credit hour transfer course in an equivalent math course is allowed.

Certificates

Community College of Denver currently offers three post-primary certificates in radiologic technology.

- Computed Tomography
- Mammography
- Magnetic Resonance

Computed Tomography
Health Sciences Pathway- at Lowry
CCD.edu/Computed-Tomography

This program is not eligible for federal student aid.

Are you a registered radiologic technologist, radiation therapist, or nuclear medicine technologist? Advance your career with a certificate in computed tomography. This post-primary certification will increase your employment options and earning potential. Designed with the working technologist in mind, we're offering an online didactic course and flexible internship opportunities throughout the fall, spring, and summer semesters.

CCD offers a competency-based certificate that includes a two-credit online course, exceeding the requirement of the American Registry of Radiologic Technologists (ARRT).

The online didactic course is offered in summer, fall and spring semesters. The online course progresses at a flexible pace for an individualized learning experience. Once completed, you'll enroll in a 10-week clinical internship offered at area clinics and hospitals in the metro-Denver area. Your internship will prepare you to be job ready and are arranged by CCD's computed tomography program coordinator. To complete the program, you'll be evaluated by the supervising technologist at the clinical site and CCD's computed tomography instructors to ensure competency with your clinical skills and your ability to attain autonomy in all areas related to the CT modality. The ARRT requires a minimum of 125 competencies, but to reach the "job ready status" additional 5-week internship sections (2 credits) are available if morel clinical time is needed..

PROGRAM ADMISSION REQUIREMENTS
For admission requirements and application, visit CCD.edu/Computed-Tomography.

COURSE MAP

Code	Title	Credits
RTE 2057	Computed Tomography Basics (II)	2
RTE 2080	Internship (Computed Tomography)	4
Total Credits		**6**

Mammography
Health Sciences Pathway- at Lowry
CCD.edu/Mammography

This program is not eligible for federal student aid.

The medical imaging modality of mammography is an important tool used in the diagnosis of breast cancer. This program will assist you in obtaining the necessary didactic education and mandatory clinical competencies to prepare you to sit for the American Registry of Radiologic Technologists (ARRT) Mammography Certification Examination.

The program covers:

- specifics of equipment and instrumentation used in mammographic image production,
- patient care and positioning,
- radiation protection and safety,
- specifics of the Mammographic Quality Control Standards Act and its requirements for quality control testing,
- patient assessment and risk factors for breast disease,
- interventional procedures, and
- eight hours of breast tomosynthesis (DBT) and eight hours of full field digital mammography (FFDM).

After you complete the didactic course, your required clinical internship will be scheduled at a clinic two days per week until all competencies are mastered. This program exceeds the 16 ARRT requirements of didactic education and the 40 contact hours of instruction required by the Mammography Quality Standards Act of 1992 and 1998. To complete the program, you will be evaluated by the supervising technologist and CCD's mammography program coordinator to ensure you demonstrate proficient mammographic skills, and can demonstrate autonomy in the clinical environment.

PROGRAM ADMISSION REQUIREMENTS
For admission requirements and application, visit CCD.edu/Mammography.

Course Map

Code	Title	Credits
RTE 2050	Mammography	3
RTE 2091	Mammography Internship [1]	4
Total Credits		**7**

[1] Additional 2 credit internships are available if more time is needed to achieve competency.

Magnetic Resonance
Health Sciences Pathway- at Lowry
CCD.edu/Magnetic-Resonance

This program is not eligible for federal student aid.

Are you a registered technologist certified through the American Registry of Radiologic Technologists (ARRT), American Registry of Medical Sonography (ARDMS), or Nuclear Medicine Technology Certification Board (NMTCB)? If so, further your career with a certificate in magnetic resonance imaging (MR).

This post-primary certificate will increase your employment options and earning potential. Designed with the working technologist in mind, we are offering an online didactic course and internship opportunities throughout the Denver metropolitan area. This certificate includes a three credit online course that exceeds the requirements of the ARRT.

What you will learn and experience:

The online course is designed to allow a student to progress at a flexible pace for an individualized learning experience. Once completed, you will enroll in a 15-week internship during spring and fall, or 10-weeks during the summer to obtain the required competencies for the certificate and the ARRT. Throughout the internships, you will be evaluated by CCD's MR clinical instructor to ensure you have obtained the necessary clinical skills and are able to work independently so you can be job ready.

Additional internships are available should you need additional time.

Course	Title	Credits
First Semester		
RTE 2060	Magnetic Resonance Imaging	3
	Subtotal	**3**
Second Semester		
RTE 2084	Advanced Clinical (Specialty) (Magnetic Resonance)[1]	6
	Subtotal	**6**
	Total Credits	**9**

[1] Additional 2 credit internships are available if more time is needed to achieve competency.

Surgical Technology

Associate of Applied Science
Health Sciences Pathway- at Lowry
CCD.edu/SurgicalTech

SURGICAL TECHNOLOGY
Are you interested in becoming a valued, integral member of the surgical team? If your answer is "yes," pursuing a degree as a surgical technologist is the career field for you. As a surgical technologist, you work with the operating room team before, during and after surgery to deliver quality patient care. Surgical technologists prepare the instruments and set up the trays that will be utilized by the surgical team. During the procedure, technologists pass instruments to the surgeon and generally assist where needed.

This 18-month associate degree delivers the knowledge and skills necessary for you to enter the field of surgical technology as well as to take the National Certification Examination for Surgical Technology. The program is aligning its standards and curriculum to meet those set forth by Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA) standards.

PROGRAM ADMISSION REQUIREMENTS
To learn more and apply, visit CCD.edu/SurgicalTech.

PREREQUISITES
Code	Title	Credits
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
MAT 1120	Math for Clinical Calculations (or higher)[1]	3
HPR 1039	Medical Terminology	2
Choose One Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
Total Credits		**16**

COURSE MAP
Course	Title	Credits
First Semester		
STE 1000	Fundamentals of Surgical Technology	6
STE 1001	Surgical Technology Skills Lab	4
BIO 2104	Microbiology with Lab: GT-SC1	4
STE 1010	Surgical Procedures I	3
	Subtotal	**17**
Second Semester		
STE 1015	Surgical Procedures II	3
STE 1020	Surgical Procedures III	3
STE 1003	Introduction to Surgical Technology Lab	4
PSY 2440	Human Growth and Development: GT-SS3	3
	Subtotal	**13**
Third Semester		
STE 2081	Surgical Technology Clinical Internship I	4
STE 2082	Surgical Technology Clinical Internship II	4
STE 2083	Surgical Technology Clinical Internship III	6
STE 2069	CST Exam Review Course	2
	Subtotal	**16**
	Total Credits	**46**

TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 62 CREDIT HOURS
NOTE:

Given that 40 percent of surgical technologists identify that nursing is their ultimate goal, the remaining credit hours are added to mirror CCD's pre-nursing plan of study. These courses are not prerequisites and can be taken at any time.

Completion of all of the surgical technology coursework and the classes below will not result in an Associate of Science degree, but rather an Associate of Applied Science degree:

- HWE 1050 - 3 credits
- MAT 1260 - 3 credits
- CHE 1011 - 5 credits
- MAT 1340 - 4 credits

Certificates
Health Sciences Pathway- at Lowry
CCD.edu/SurgicalTech

Sterile Processing Technology Certificate
The purpose of the Sterile Processing Technology program is to indoctrinate students into the one of the most highly respected professions. The sterile processing department is known as the heart of the hospital as all means of sterilized equipment, medical instrumentation, and sterile supplies are under the direct responsibility of the sterile processing department team members. This program will educate, train, and bolster students capabilities/techniques required to serve in any sterile processing department in the country. Upon completion of this program students will be able to sit for the Certified Registered Central Service Technician (CRCST) exam provided by the International Association of Healthcare Central Service Material Management (IAHCSMM) organization.

Course	Title	Credits
First Semester		
SPI 1000	Sterile Instrument Processing	4
SPI 1081	Internship: Sterile Processing Technology	9
SPI 2079	Sterile Processing Seminar	3
	Subtotal	**16**
	Total Credits	**16**

Veterinary Technology

Associate of Applied Science Degree
Health Sciences Pathway- at Lowry
CCD.edu/Vet-Tech

Veterinary Technology
Community College of Denver offers one of the most respected veterinary technology programs in the state. The Associate of Applied Science (A.A.S.) in veterinary technology prepares you to practice as a professional veterinary technician. The full-time or part-time curriculum is a blend of academic and clinical coursework that requires attention to detail, motivation and the ability to complete tasks within a specified time frame. You are encouraged to be

self-directed in your learning and to establish high standards of professional and personal excellence. Successful completion of the prerequisite courses and the full veterinary technology curriculum results in an A.A.S. degree in veterinary technology.

Graduates are eligible to take the Veterinary Technician National Examination and have been able to rapidly find placement in the veterinary healthcare community. Veterinary technicians are paraprofessional members of a veterinary team, assisting a doctor of veterinary medicine. Veterinary technicians perform a variety of tasks, including preparing examination rooms and surgery suites, holding and restraining animals during the exam and/or treatment, collecting specimens, performing routine laboratory procedures, taking diagnostic X-rays, administering medication or treatments, assisting in surgery, performing office skills, maintaining inventory of supplies and assisting with client education.

Career opportunities for veterinary technicians are available in a variety of settings, including private veterinary practices, research laboratories, kennels, zoos, and local, state and federal agencies. These experiences can lead to other job opportunities such as sales, animal hospital administration, teaching in a veterinary technology program and animal advocacy.

PROGRAM ADMISSION REQUIREMENTS
For admission requirements and application, visit CCD.edu/Vet-Tech.

PREREQUISITES

Code	Title	Credits
BIO 1111	General College Biology I with Lab: GT-SC1 [1]	5
MAT 1120	Math for Clinical Calculations (or higher)	3
Choose One Composition Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
Total Credits		**11**

2 Year Track Cohort plan
COURSE MAP

Course	Title	Credits
First Semester		
VET 1002	Veterinary Medical Terminology	1
VET 1008	Introduction to Laboratory Procedures	3
VET 1016	Humane Treatment and Handling of Animals	3
VET 1020	Office Procedures and Relations	2
VET 2005	Veterinary Anatomy and Physiology I	4
	Subtotal	**13**
Second Semester		
VET 1206	Exotic Animal Handling	2
VET 1015	Surgical Nursing	2
VET 1072	First Year Clinical Rotation	1
VET 1082	Internship	2
VET 2023	Introduction to Anesthesia	1
VET 2006	Veterinary Anatomy and Physiology II	4
VET 2024	Pharmacology for Veterinary Technicians	3
	Subtotal	**15**
Third Semester		
COM 1150	Public Speaking	3
VET 1034	Diagnostic Imaging	2
VET 2080	Diagnostic Imagining Internship	1
VET 2043	Veterinary Diagnostic Microbiology	3
Choose One Elective		3
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
	Subtotal	**12**
Fourth Semester		
VET 2025	Anesthesiology	3
VET 2027	Animal Nutrition	2
VET 1241	Clinical Laboratory Procedures	4
VET 2081	Internship II	3
	Subtotal	**12**

Fifth Semester

VET 2032	Veterinary Dentistry	1
VET 2038	Small Animal Nursing	2
VET 2039	Large Animal Nursing	2
VET 2042	Veterinary Critical Care	2
VET 2050	Clinical Competency Evaluation	1
VET 2082	Internship III	4
	Subtotal	**12**
	Total Credits	**64**

TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 75 CREDIT HOURS

[1] BIO 1111 is 5 credit hours at Community College of Denver, however a 4 credit hour transfer course in an equivalent biology course is allowed.

Pre-Requisites

Code	Title	Credits
BIO 1111	General College Biology I with Lab: GT-SC1	5
Choose One English Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
MAT 1120	Math for Clinical Calculations (or higher)	3

3 Year Track Cohort plan
Course Map
First Semester- Spring

Code	Title	Credits
VET 1002	Veterinary Medical Terminology	1
VET 1016	Humane Treatment and Handling of Animals	3
VET 2005	Veterinary Anatomy and Physiology I	4
*VET 1020 must be completed prior to moving into spring semester of the 2nd year. This course can be taken during fall or spring of the first year.		2

Second Semester- Summer

Code	Title	Credits
VET 1008	Introduction to Laboratory Procedures	2
COM 1150	Public Speaking (can be taken any semester)	3
Choose One Elective Course		3
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	

Third Semester- Fall

Code	Title	Credits
VET 2006	Veterinary Anatomy and Physiology II	4
VET 1072	First Year Clinical Rotation	1
VET 1082	Internship	2
*VET 1020 must be completed prior to moving into spring semester of the 2nd year. This course can be taken during fall or spring of the first year.		

Fourth Semester- Spring

Code	Title	Credits
VET 2024	Pharmacology for Veterinary Technicians	3
VET 1206	Exotic Animal Handling	2
VET 1015	Surgical Nursing	2

Fifth Semester- Summer

Code	Title	Credits
VET 2043	Veterinary Diagnostic Microbiology	3
VET 2080	Diagnostic Imagining Internship	1
VET 1034	Diagnostic Imaging	2

Sixth Semester- Fall

Code	Title	Credits
VET 2027	Animal Nutrition	2
VET 1241	Clinical Laboratory Procedures	4
VET 2023	Introduction to Anesthesia	1
VET 2081	Internship II	3

Seventh Semester- Spring

Code	Title	Credits
VET 2082	Internship III	4
VET 2025	Anesthesiology	3
VET 2032	Veterinary Dentistry	1

Eight Semester- Summer

Code	Title	Credits
VET 1034	Diagnostic Imaging	2
VET 2080	Diagnostic Imagining Internship	1
VET 2043	Veterinary Diagnostic Microbiology	3

Ninth Semester- Fall

Code	Title	Credits
VET 2042	Veterinary Critical Care	1
VET 2038	Small Animal Nursing	2
VET 2039	Large Animal Nursing	2
VET 2050	Clinical Competency Evaluation	1

Total credit hours completed for the degree: 73-74
Veterinary Technology Apprenticeship Track
The apprenticeship program is a collaboration between the college, employer, and the US department of Labor. In addition to an AAS degree and Veterinary Technician National Exam eligibility, all program completers receive a nationally recognized certificate from the US Department of Labor. The program begins in the fall semester and runs continuously for five semesters, including two Winterim terms and one Maymester term for 21 months of continual study. Traditional college breaks do not occur with the apprenticeship program and time off follows the policy of each individual employer.

Pre-requisites:

Code	Title	Credits
BIO 1111	General College Biology I with Lab: GT-SC1	4
Choose One English Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
MAT 1120	Math for Clinical Calculations	3
Or higher		

Course	Title	Credits

First Year
First Semester (Fall):

Code	Title	Credits
VET 1002	Veterinary Medical Terminology	1
VET 1016	Humane Treatment and Handling of Animals	3
VET 1008	Introduction to Laboratory Procedures	3
VET 2005	Veterinary Anatomy and Physiology I	4
Winterim Term #1:		
VET 1020	Office Procedures and Relations	2
Second Semester (Spring):		
VET 1015	Surgical Nursing	2
VET 2024	Pharmacology for Veterinary Technicians	3

VET 2006	Veterinary Anatomy and Physiology II	4
VET 1072	First Year Clinical Rotation	1
VET 1082	Internship	2
Maymester Term:		
VET 1034	Diagnostic Imaging	2
VET 2080	Diagnostic Imagining Internship	1
	Subtotal	**28**

Second Year
Third Semester (Summer):

VET 2027	Animal Nutrition	2
VET 2081	Internship II	3
VET 2023	Introduction to Anesthesia	1
COM 1150	Public Speaking	3
PSY 1001	General Psychology I: GT-SS3 [1]	3
Fourth Semester (Fall):		
VET 2025	Anesthesiology	3
VET 1206	Exotic Animal Handling	2
VET 1241	Clinical Laboratory Procedures	4
VET 2043	Veterinary Diagnostic Microbiology	3
Winterim Term #2:		
VET 2032	Veterinary Dentistry	1
Fifth Semester (Spring):		
VET 2038	Small Animal Nursing	2
VET 2039	Large Animal Nursing	2
VET 2042	Veterinary Critical Care	2
VET 2050	Clinical Competency Evaluation	1
VET 2082	Internship III	4
	Subtotal	**36**
	Total Credits	**64**

[1] Choice of PSY 1001 General Psychology or SOC 1001 Introduction to Sociology.

Total Credit Hours Completed For the Degree: 74-75 Credits
Certificates
Health Sciences Pathway- at Lowry
CCD.edu/Vet-Tech

Veterinary Technology Assistant
The veterinary technology certificate is ideal for those seeking an introduction to veterinary medicine with a limited investment of time and money. The one-semester certificate program is a blend of academic and clinical coursework. As a veterinary technician assistant, you will support veterinary technicians and veterinarians. Veterinary technician assistants perform a variety of tasks, including preparing examination rooms and surgery suites, holding and restraining animals during the exam and/or treatment, collecting specimens, performing routine laboratory procedures, taking diagnostic X-rays, administering medication or treatments, assisting in surgery, performing office skills, maintaining inventory of supplies and assisting with client education.

Career opportunities for veterinary technician assistants are available in a variety of settings, including private veterinary practices, research laboratories, kennels, zoos, and local, state and federal agencies. These experiences can lead to other job opportunities such as sales, animal hospital administration.

PROGRAM ADMISSION REQUIREMENTS
For admission requirements and application, visit CCD.edu/Vet-Tech.

All courses must be completed with a grade of C or better prior to graduation.

COURSE MAP

Code	Title	Credits
VET 1002	Veterinary Medical Terminology	1
VET 1020	Office Procedures and Relations	2
VET 1009	Applied Comprehension Animal Behavior	3

VET 1003	Veterinary Assistant Restraint and Handling	2
VET 1004	Assistant Large Animal Nursing	1
VET 1017	Veterinary Assistant Surgery and Nursing Care	2
VET 1014	Vet Assist Lab & Clinical Procedures	3
VET 1083	Internship	2
Total Credits		**16**

Manufacturing Pathway

Learn by doing with our advanced manufacturing programs. Develop skills valued by employers through lab work and/or industry-related projects. Whether you come in with a solid mechanical background or no experience at all, these diverse program options allow you to find a technical path that aligns with your skills, values and goals.

Program Name	Degree Type
APPLIED TECHNOLOGY PROGRAM	
- Applied Technology	Associate of Applied Science
FABRICATION WELDING PROGRAM	
- Fabrication Welding	Associate of Applied Science
- Basic Welding	Certificate
- Intermediate Welding	Certificate
- ARC Welder	Certificate
- Fabrication Welder	Certificate
- Creative Metalworking	Certificate
MACHINE TECHNOLOGY PROGRAM	
- CNC Manufacturing	Associate of Applied Science
- Basic Machining	Certificate
- Intermediate Machining	Certificate
- CNC Machine Tool Operator	Certificate
- Industrial Maintenance Technologies	Certificate

Applied Technology

Associate of Applied Science Degree
Manufacturing Pathway

Applied Technology
As a student in the Associate of Applied Science (A.A.S.) in applied technology program, you will first complete a state-approved career and technical education certificate program at one of the area technical colleges (ATC), including Delta-Montrose Area Technical College, Emily Griffith Technical College or Pickens Technical College. These programs prepare you with technical and employment skills. Some credits from these certificate programs will be applicable to CCD's A.A.S. in applied technology degree.

Once you have completed the ATC certificate, you will complete the A.A.S. degree in applied technology here at CCD by taking general education and other degree requirements. The A.A.S. degree in applied technology will be conferred by CCD after the general education and other degree requirements have been completed.

You may enroll concurrently at an ATC and CCD, but you must comply with the regulations and requirements relating to admission and attendance at each institution.

When 15 credits are added to the credits in the technical college certificate do not total to 60 or greater credits, additional courses will be coordinated with the program chair to ensure the degree meets the 60 credit hour minimum.

[1] A state-approved career and technical education program is a program that is approved by the State Board for Community Colleges and Occupational Education (SBCCOE) and is current.

MINIMUM REQUIREMENTS
1. 60-semester credits of coursework.

2. CCD will accept up to 45 credit hours of coursework from an approved certificate at an ATC. (Coursework that is more than 10-years old may not be accepted.)

3. Cumulative GPA of 2.0 or higher.

4. General education course credits of 15-18 semester credits.

5. Minimum of 15-credit hours of general education requirements must be earned at CCD (see below).

6. Students completing an ATC certificate of less than 42 credit hours must complete additional credit hours at CCD from the approved general education list. These credit hours should be selected to complement the certificate from the ATC and be consistent with the student's future plans. Students transferring a certificate with 30 or fewer hours will complete a minimum of 12 hours in a single career and technical education discipline. The specific courses must be selected in consultation with an academic advisor and be approved by the academic dean.

COURSE MAP

Code	Title	Credits
General Education Requirements		
COM 1150	Public Speaking	3
or COM 125	Interpersonal Communication: GT-SS3	
ENG 1021	English Composition I: GT-CO1	3
or ENG 1031	Technical Writing I: GT-CO1	
MAT 1140	Career Math	3
or MAT 134(	College Algebra: GT-MA1	
Select One Physical & Biological Sciences Requirements:		3
ANT - All GT-SC1 Courses		
AST - All GT-SC1 Courses		
BIO - All GT-SC1 Courses		
CHE - All GT-SC1 Courses		
ENV - All GT-SC1 Courses		
GEO - All GT-SC1 Courses		
GEY - All GT-SC1 Courses		
PHY - All GT-SC1 Courses		
Select One Social & Behavioral Sciences Requirements:		3
ANT - All GT-SS3 Courses		
ECO - All GT-SS1 Courses		
GEO - All GT-SS2 Courses		
HIS - All GT-HI1 Courses		
PSC - All GT-SS1 Courses		
PSY - All GT-SS3 Courses		
SOC - All GT-SS3 Courses		
WST - All GT-SS3 Courses		
Subtotal:		*15*
Major Requirements		
Complete All Major Requirements		42
Program-Related Course Approved by the Dean		3
Subtotal:		*45*
Total Credits		**60**

Machine Technologies

Associate of Applied Science Degrees
Advanced Manufacturing Center- Manufacturing Pathway
CCD.edu/Machining

CNC Manufacturing
This program prepares you with the entry-level skills necessary to perform tasks of developing 3D programming to operate a Computer Numerical Controlled (CNC) machining center.

PROGRAM ADMISSION REQUIREMENTS
You must meet the minimum assessment scores or prerequisites required for general education courses in the program. Refer to the course descriptions section of this catalog for course prerequisites. You may take individual courses, if the course prerequisites are met, prior to being accepted into this program.

COURSE MAP
Certificates
Advanced Manufacturing Center- Manufacturing Pathway
CCD.edu/Machining

Community College of Denver currently offers four certificates in machine technologies.

- Basic Machining
- Intermediate Machining
- CNC Machine Tool Operator
- Industrial Maintenance Technologies

Basic Machining
The basic machining certificate instructs students in the basics of shop safety, drill presses, machine shop math, basic CNC mill, and lathes. This certificate is the logical starting point for the more comprehensive certificates and degrees in the machine technologies program.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. You may take individual courses, if the course prerequisites are met, prior to being accepted into this program.

This program is not eligible for federal student aid.

COURSE MAP

Code	Title	Credits
MAC 1000	Machine Shop Safety	1
MAC 1020	Introduction to Milling Machine	3
MAC 1010	Introduction to Engine Lathe	3
MAC 1002	Print Reading for Machinists	3
Total Credits		**10**

Intermediate Machining
The manual machining certificate prepares you with the job-entry skills necessary to perform most operations on the vertical mill, horizontal mill, lathe and grinder/shaper. This certificate is the second logical step for the more comprehensive certificates and degrees in the machine technologies program.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. You may take individual courses, if the course prerequisites are met, prior to being accepted into this program.

COURSE MAP

Course	Title	Credits
First Semester		
MAC 1000	Machine Shop Safety	1
MAC 1020	Introduction to Milling Machine	3
MAC 1010	Introduction to Engine Lathe	3
MAT 1150	Technical Mathematics	4
MAC 1002	Print Reading for Machinists	3
	Subtotal	**14**
Second Semester		
MAC 1011	Intermediate Engine Lathe	3
MAC 1021	Intermediate Milling Machine	3
	Subtotal	**6**
	Total Credits	**20**

CNC Machine Tool Operator
The computer numeric control (CNC) machine tool operator certificate prepares you with the job-entry skills necessary to perform most operations on the vertical mill, horizontal mill, lathe, grinder/shaper, CNC mill and CNC lathe. You will be prepared to enter positions as a CNC machine tool operator. All credits within this certificate apply toward the Associate of Applied Science in machining technologies degree with an emphasis in CNC machining technologies manufacturing.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. You may take individual courses, if the course prerequisites are met, prior to being accepted into this program.

COURSE MAP

Course	Title	Credits
First Semester		
MAC 1000	Machine Shop Safety	1
MAT 1150	Technical Mathematics	4
CAD 2464	Fusion/AutoDesk	3
MAC 1002	Print Reading for Machinists	3
MAC 2005	Introduction to CNC Milling Operations	3
	Subtotal	**14**
Second Semester		
MAC 2006	CNC Milling Operations II	3
MAC 2001	Introduction to CNC Turning Operations	3
MAC 2002	CNC Turning Operations II	3
MAC 2050	Advanced Inspection Techniques	3
MAC 2040	CAD/CAM 2D	3
	Subtotal	**15**
	Total Credits	**29**

Industrial Maintenance Technologies
This certificate is designed to provide a rounded understanding of the entry-level skills in computer aided drafting, machining and welding. This set of skills will allow you to enter the field of manufacturing equipment servicing and repair.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. You may take individual courses, if the course prerequisites are met, prior to being accepted into this program.

COURSE MAP

Course	Title	Credits
First Semester		
MAC 1001	Introduction to Machine Shop	3
MAC 1002	Print Reading for Machinists	3
MAC 1010	Introduction to Engine Lathe	3
MAC 1020	Introduction to Milling Machine	3
MAT 1150	Technical Mathematics	4
	Subtotal	**16**
Second Semester		
CAD 1101	Computer Aided Drafting I	3
CAD 1102	Computer Aided Drafting II	3
CAD 2460	Inventor I/Autodesk	3
CIS 1018	Introduction to PC Applications	3
	Subtotal	**12**
Third Semester		
WEL 1000	Safety for Welders	1
WEL 1001	Allied Cutting Processes	4
WEL 1002	Oxyacetylene Joining Processes	4

WEL 1003	Basic Shielded Metal Arc I	4
	Subtotal	**13**
	Total Credits	**41**

Fabrication Welding

Associate of Applied Science Degree

Advanced Manufacturing Center- Manufacturing Pathway
CCD.edu/Welding

Fabrication Welding
The Associate of Applied Science in fabrication welding prepares you with the entry-level cutting and welding skills to work in operations in using oxyacetylene cutting and welding, plasma arc cutting, carbon arc cutting, shielded metal arc welding, gas metal arc welding and gas tungsten arc welding on metals that range from heavy plate and pipe to thin-gauge sheet metals. Various steels and aluminum metals are used. As a graduate of this program, you will be prepared to attempt one of the limited thickness Welder Qualification tests under American Welding Society D1.1 Structural code for certification in SMAW, GMAW and GTAW. You will also be prepared to enter positions as production, fabrication or construction welders.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. You may take individual courses, if course prerequisites are met, prior to being accepted into this program.

COURSE MAP

Course	Title	Credits
First Semester		
WEL 1000	Safety for Welders	1
WEL 1001	Allied Cutting Processes	4
WEL 1002	Oxyacetylene Joining Processes	4
WEL 1006	Blueprint Reading for Welders and Fitters	4
MAT 1150	Technical Mathematics	4
	Subtotal	**17**
Second Semester		
WEL 1003	Basic Shielded Metal Arc I	4
WEL 1024	Introduction to Gas Tungsten Arc Welding	4
WEL 1025	Introduction to Gas Metal Arc Welding	4
Choose One Composition Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
	Subtotal	**15**
Third Semester		
WEL 1010	Advanced Shielded Metal Arc I	4
WEL 2002	Gas Metal Arc Welding II	4
WEL 1011	Advanced Shielded Metal Arc II	4
WEL 2024	Advanced Gas Tungsten Arc Welding	4
	Subtotal	**16**
Fourth Semester		
WEL 2030	Pipe Welding I	4
WEL 2051	Design, Layout and Fabrication	4
Choose Three Elective Courses		9
ART 1110	Art Appreciation: GT-AH1	
ART 1002	Visual Concepts 2-D Design	
ART 1003	3-D Design	
CAD 2455	SolidWorks/Mechanical	
CIS 1018	Introduction to PC Applications	
BUS 1015	Introduction to Business	
	Subtotal	**17**
	Total Credits	**65**

Certificates

Advanced Manufacturing Center- Manufacturing Pathway
CCD.edu/Welding

Community College of Denver currently offers five certificates in fabrication welding.

- Basic Welding
- Intermediate Welding
- ARC Welder
- Fabrication Welder
- Creative Metalworking

Basic Welding
This program prepares you with entry-level knowledge in cutting processes, oxyacetylene-joining processes, and blueprint reading. The certificate is fully transferable to the Associate of Applied Science in fabrication welder.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. You may take individual courses, if course prerequisites are met, prior to being accepted into this program.

COURSE MAP

Code	Title	Credits
WEL 1000	Safety for Welders	1
WEL 1001	Allied Cutting Processes	4
WEL 1002	Oxyacetylene Joining Processes	4
WEL 1006	Blueprint Reading for Welders and Fitters	4
MAT 1150	Technical Mathematics	4
Total Credits		**17**

Intermediate Welding
This certificate prepares you with entry-level knowledge in cutting processes, oxyacetylene joining processes, blueprint reading, basic shielded metal arc welding, introduction to gas tungsten arc welding (GTAW), and introduction to gas metal arc welding (GMAW). The certificate is fully transferable to the Associate of Applied Science in fabrication welder.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program. Refer to the course descriptions section of this catalog for course prerequisites. You may take individual courses, if course prerequisites are met, prior to being accepted into this program.

COURSE MAP

Course	Title	Credits
First Semester		
WEL 1000	Safety for Welders	1
WEL 1001	Allied Cutting Processes	4
WEL 1002	Oxyacetylene Joining Processes	4
WEL 1006	Blueprint Reading for Welders and Fitters	4
MAT 1150	Technical Mathematics	4
	Subtotal	**17**
Second Semester		
WEL 1003	Basic Shielded Metal Arc I	4
WEL 1024	Introduction to Gas Tungsten Arc Welding	4
WEL 1025	Introduction to Gas Metal Arc Welding	4
	Subtotal	**12**
	Total Credits	**29**

Arc Welder
Arc Welder prepares you with the entry-level cutting and welding skills necessary to perform shielded metal arc welding operations. As a graduate of this program, you are prepared to enter positions such as production, fabrication or construction welders using the shielded metal arc process. All arc welder certificate program credits apply toward the Associate of Applied Science (A.A.S.) fabrication welder degree. Upon successful completion of this program, you will be prepared to attempt one of the limited thickness Welder Qualification tests under American Welding Society D1.1 Structural code for certification in SMAW.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education courses in the program. Refer to the course descriptions section of this catalog for course prerequisites. You may take individual courses, if course prerequisites are met, prior to being accepted into this program.

COURSE MAP

Course	Title	Credits
First Semester		
WEL 1000	Safety for Welders	1
WEL 1001	Allied Cutting Processes	4
WEL 1002	Oxyacetylene Joining Processes	4
WEL 1003	Basic Shielded Metal Arc I	4
WEL 1006	Blueprint Reading for Welders and Fitters	4
MAT 1150	Technical Mathematics	4
	Subtotal	**21**
Second Semester		
WEL 1010	Advanced Shielded Metal Arc I	4
WEL 1024	Introduction to Gas Tungsten Arc Welding	4
WEL 1011	Advanced Shielded Metal Arc II	4
WEL 2030	Pipe Welding I	4
	Subtotal	**16**
	Total Credits	**37**

Fabrication Welder

This certificate prepares you with entry-level cutting and welding skills to work in operations in using oxyacetylene cutting and welding, plasma arc cutting, carbon arc cutting, shielded metal arc welding, gas metal arc welding and gas tungsten arc welding on metals that range from heavy plate and pipe to thin-gauge sheet metals. Various steels and aluminum are used. Upon successful completion of this program, you will be prepared to test for American Welding Society certification in SMAW and MIG/TIG. You will also be prepared to enter a position as an arc welder, plate welder, industrial welder, production welder, fabrication welder, construction welder, and TIG or MIG welder. The certificate is fully transferable to the Associate of Applied Science in fabrication welder.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education courses in the program. You may take individual courses, if course prerequisites are met, prior to being accepted into this program.

COURSE MAP

Course	Title	Credits
First Semester		
WEL 1000	Safety for Welders	1
WEL 1001	Allied Cutting Processes	4
WEL 1002	Oxyacetylene Joining Processes	4
WEL 1003	Basic Shielded Metal Arc I	4
WEL 1006	Blueprint Reading for Welders and Fitters	4
MAT 1150	Technical Mathematics	4
	Subtotal	**21**
Second Semester		
WEL 1010	Advanced Shielded Metal Arc I	4
WEL 1024	Introduction to Gas Tungsten Arc Welding	4
WEL 1011	Advanced Shielded Metal Arc II	4
WEL 1025	Introduction to Gas Metal Arc Welding	4
	Subtotal	**16**
Third Semester		
WEL 2002	Gas Metal Arc Welding II	4
WEL 2024	Advanced Gas Tungsten Arc Welding	4
WEL 2030	Pipe Welding I	4
WEL 2051	Design, Layout and Fabrication	4
	Subtotal	**16**
	Total Credits	**53**

Creative Metalworking

The Creative Metalworking Certificate is designed for students interested in the intersection of welding and art. The certificate provides students with the art and design theory and welding competency necessary to fabricate functional and sculptural pieces. Students will learn how to conceptualize, reference, design, layout, and fabricate projects from start to finish.

Course	Title	Credits
First Semester		
WEL 1000	Safety for Welders	1
WEL 1001	Allied Cutting Processes	4
WEL 1002	Oxyacetylene Joining Processes	4
WEL 1006	Blueprint Reading for Welders and Fitters	4
ART 1002	Visual Concepts 2-D Design	3
	Subtotal	**16**
Second Semester		
ART 1110	Art Appreciation: GT-AH1	3
ART 1003	3-D Design	3
WEL 1024	Introduction to Gas Tungsten Arc Welding	4
WEL 2064	Creative Welding	4
CAD 2455	SolidWorks/Mechanical	3
	Subtotal	**17**
	Total Credits	**33**

Social & Behavioral Sciences Pathway

Cover a range of professions designed to help individuals and communities. Graduate with an associate degree or certificate to meet your career needs or transfer to a four-year college or university in Colorado.

Program Name	Degree Type
ASSOCIATE OF GENERAL STUDIES	
- Associate of General Studies	Associate of General Studies
ANTHROPOLOGY PROGRAM	
- Anthropology Transfer Major	Associate of Arts[1]
COUNSELING PROGRAM	
- Certified Addiction Technician	Certificate
ECONOMICS PROGRAM	
- Economics Transfer Major	Associate of Arts[1]
HISTORY DESIGNATION	
- History Transfer Major	Associate of Arts[1]
HUMAN SERVICES PROGRAM	
- Human Services Transfer	Associate of Applied Science
- Human Services Pre-Social Work	Associate of Applied Science
POLITICAL SCIENCE PROGRAM	
- Political Science Transfer Major	Associate of Arts[1]
PSYCHOLOGY DESIGNATION	
- Psychology Transfer Major	Associate of Arts[1]
- Psychology Transfer Major	Associate of Science[1]
SOCIOLOGY DESIGNATION	
- Sociology Transfer Major	Associate of Arts[1]

[1] Denotes a "Transfer Major" that has a statewide transfer degree plan or a statewide transfer articulation program in place and is fully transferable in its entirety into any Colorado public four-year program. Transfer Majors are awarded with a specific program designation major on the transcript. See an academic advisor for more information.

Anthropology

Associate of Arts Degree
Social & Behavioral Science Pathway

CCD.edu/Anthropology

Anthropology Transfer Major

If you find yourself interested in human society and culture both in the present and the past, and biological variety and changes in humans over time, anthropology may be the degree for you. Our Associate of Arts degree with a designation in anthropology is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a university to complete a Bachelor of Arts in anthropology. It offers the opportunity to study contemporary human cultural variation, human evolution, human cultures of the past, as well as the chance to study how forensic anthropologists identify remains and work with law enforcement, and to compare the health systems of various cultures.

Additionally, we have courses that enable you to apply what you learn and develop real-world skills. By understanding human diversity in the past and present, biologically and culturally, you are well situated to critically assess how and why humans create and adapt to the experiences of the contemporary world, and to consider solutions to common human problems.

Our program includes courses that are common to all Colorado four-year institutions, and will prepare you to complete the second half of a Bachelor of Arts in anthropology at a four-year university as well as for career paths in market research, field and medical research, museum management, public health, community studies, cultural studies and field studies in archaeology.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [1]	3
SOC 1002	Introduction to Sociology II: GT-SS3	3
COM 1250	Interpersonal Communication: GT-SS3	3
ANT 1001	Cultural Anthropology: GT-SS3	3
Choose One Mathematics Course (GT-MA1)		3-4
MAT 1260	Intro to Statistics: GT-MA1 [2]	
MAT 1340	College Algebra: GT-MA1	
	Subtotal	**15-16**
Second Semester		
ANT 1003	Introduction to Archaeology: GT-SS3	3
ENG 1022	English Composition II: GT-CO2 [1]	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
SOC 1001	Introduction to Sociology I: GT-SS3	
ETH 2000	Introduction to Ethnic Studies: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
PSC 2020	Intro to Political Science: GT-SS1	
GEO 1006	Human Geography: GT-SS2	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 2315	Introduction to Forensic Anthropology with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
Choose One History Course (GT-HI1)		3
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2110	African American History: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
	Subtotal	**16**
Third Semester		
ANT 1005	Biological Anthropology with Lab: GT-SC1	4
Choose One Anthropology Course (GT-SS3)		3
ANT 2115	Native Peoples of North America: GT-SS3	
ANT 2125	Anthropology of Religion: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	

Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
COM 1300	Communication and Popular Culture: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
MUS 1023	Survey of World Music: GT-AH1	
THE 1005	Theatre Appreciation: GT-AH1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
HUM 1003	Introduction to Film Art: GT-AH2	
HUM 1015	World Mythology: GT-AH2	
HUM 1021	Humanities: Early Civilization: GT-AH2	
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
JOU 1005	Introduction to Mass Media: GT-SS3	
PSY 1002	General Psychology II: GT-SS3	
PSY 2107	Human Sexuality: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
	Subtotal	**16**
Fourth Semester		
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 2315	Introduction to Forensic Anthropology with Lab: GT-SC1	
AST 1120	Astronomy II with Lab: GT-SC1	
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1012	Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 1014	Comparative Religions: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
Choose One Elective		3
ANT 2211	Cultural Resource Management	
ANT 2550	Medical Anthropology: GT-SS3	
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
PSY 2221	Social Psychology: GT-SS3	
PSY 2770	Introduction Forensic Psychology	
SOC 2007	Environmental Sociology: GT-SS3	
Choose One Elective		3
AEC 1110	History of Architecture	
ANT 2115	Native Peoples of North America: GT-SS3	
ANT 2211	Cultural Resource Management	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
PSY 2661	Brain and Behavior	
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
	Subtotal	**13**
	Total Credits	**60-61**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.
[2] One GT-MA1 course; prefer MAT 1260: Introduction to Statistics, except: University of Colorado Denver requires either MAT 1260: Introduction to Statistics or MAT 1340: College Algebra; Western State Colorado University requires MAT 1340: College Algebra.
[3] This course is 5 credit hours.

NOTE: Additional ANT courses beyond the four courses (12 credit hours) identified above may not count toward the anthropology major at the receiving four-year institution. Meet with your academic advisor for more information.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Counseling

Social & Behavioral Sciences Pathway
CCD.edu/

Certified Addiction Technician Certificate
This program provides a comprehensive educational framework for entry into the field of addictions studies and treatment and offers a certificate of proficiency in Certified Addiction Technician (CAT, previously known as CAC 1). A Certified Addiction Technician (CAT) works in entry-level positions as a person who can help the individual with dependence on substances and possible destructive behaviors, and their families. Certified Addiction Technicians can work in a variety of environments, including but not limited to, outpatient facilities, in-patient rehabilitation centers, transition houses; hospitals, addiction recovery centers, counseling centers, hospitals, youth recovery facilities or residential treatment centers. This provides program exceptional learning experiences in the mandatory coursework for each certificate, meeting the state and national standards for addiction work. This certificate focuses on the hands-on learning of skills that enhance a student's capacity to support individuals and families in the process of recovery in all settings using inclusive, culturally responsive approaches. Certification in the state of Colorado requires specialized training and supervised field experience in the addiction field. This program offers all the specialized training for credit college-level courses. The program will also cover current trends, best practices> and up-to-date research findings. In addition, growth is expected in this job market as more people seek treatment for their addictions and more drug offenders are sent to treatment programs rather than to jail. As a result, demand should increase for social and human service assistants who work in treatment programs or work with people with addictions.

Course	Title	Credits
First Semester		
CSL 2046	Ethical Practice in Addiction Treatment	1
CSL 2068	Addictions Counseling Skills	1.5
CSL 2065	Culturally Informed Treatment	1
CSL 2050	Motivational Interviewing I	1.5
CSL 2069	Principles of Addiction	1.5
CSL 2061	Case Conceptualization and Documentation	1
CSL 2051	Pharmacology I for Addiction Counselors	1
CSL 2054	Trauma Informed Care	1
CSL 2058	Group Counseling Skills	1.5
	Subtotal	**11**
	Total Credits	**11**

Economics

Associate of Arts Degree
Social & Behavioral Sciences Pathway
CCD.edu/Economics

Economics Transfer Major
The Associate of Arts in economics is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a university to complete a Bachelor of Arts in economics.

In this program, you will explore economic trends and effects of political and social change. You will be prepared to work in banking, finance, insurance, investment and the corporate world. A bachelor's degree in economics prepares you for advanced degrees, teaching careers or employment.

Economic analysis skills are needed in many careers and careers in this field often require a master's degree.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
SOC 1002	Introduction to Sociology II: GT-SS3	3
MAT 1260	Intro to Statistics: GT-MA1	3
COM 1250	Interpersonal Communication: GT-SS3	3
Choose One Elective Course		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
PSC 1011	American Government: GT-SS1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
	Subtotal	**15**
Second Semester		
ECO 2002	Principles of Microeconomics: GT-SS1	3
ENG 1022	English Composition II: GT-CO2	3
Choose One Natural & Physical Sciences Course (GT-SC1 or GT-SC2)		4
ENV 1111	Environmental Science with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 2046	Literature of Women: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 1012	Ethics: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
WST 2000	Introduction to Women`s Studies: GT-SS3	
PHI 1014	Comparative Religions: GT-AH3	
Choose One Elective Course		3
PSC 1025	American State and Local Government: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
ECO 2045	Environmental Economics: GT-SS1	
GEO 1060	Global Climate Change: GT-SC2	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
	Subtotal	**16**
Third Semester		
MAT 2410	Calculus I: GT-MA1 [1]	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
PHI 1012	Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
SPA 2061	Spanish Language for Heritage and Intermediate-Mid Speakers: GT-AH4	
Choose One Elective Course		3
PSC 1025	American State and Local Government: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
ECO 2045	Environmental Economics: GT-SS1	
GEO 1060	Global Climate Change: GT-SC2	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
Choose One History Course (GT-HI1)		3
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	

HIS 2005	Women in World History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2110	African American History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
	Subtotal	**14**
Fourth Semester		
COM 1010	Communicating through Technology	1
ECO 1075	Special Topics	1
Choose One Elective Course		3
PSC 1025	American State and Local Government: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
ECO 2045	Environmental Economics: GT-SS1	
GEO 1060	Global Climate Change: GT-SC2	
WST 2000	Introduction to Women`s Studies: GT-SS3	
Choose One Elective Course		3
PSC 1025	American State and Local Government: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
ECO 2045	Environmental Economics: GT-SS1	
GEO 1060	Global Climate Change: GT-SC2	
WST 2000	Introduction to Women`s Studies: GT-SS3	
Choose One Elective Course		3
ECO 2045	Environmental Economics: GT-SS1	
PSY 1002	General Psychology II: GT-SS3	
ART 1110	Art Appreciation: GT-AH1	
PHI 1014	Comparative Religions: GT-AH3	
GEO 1060	Global Climate Change: GT-SC2	
WST 2000	Introduction to Women`s Studies: GT-SS3	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
	Subtotal	**15**
	Total Credits	**60**

[1] You must complete MAT 2410 in this degree.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

History

Associate of Arts Degree
Social & Behavioral Sciences Pathway
CCD.edu/History

History Transfer Major
The Associate of Arts (A.A.) degree with a designation in history is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a university to complete a Bachelor of Arts (B.A.) in history. You will learn to analyze history from economic and political perspectives. History is the study of the past in order to help us understand the present. Studying history is much more than learning about people, dates, and events, you will also learn important skills that are valuable in many careers. These include strong research and writing skills, strong communication skills, and the ability to use digital collections, analyze source material and present evidence very clearly.

This program introduces you to history and it includes courses that are common to all four-year institutions in Colorado. Careers often require a bachelor's degree. Career paths for history degree holders include public service, law, business, library management, business, marketing, media and many more. History degree holders are found in many professions around the world. This A.A. prepares you to complete the second half of a B.A. in history at a four-year university.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
COM 1250	Interpersonal Communication: GT-SS3	3
SOC 1002	Introduction to Sociology II: GT-SS3	3
MAT 1260	Intro to Statistics: GT-MA1	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [1]	3
HIS 1210	U.S. History to Reconstruction: GT-HI1	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2046	Literature of Women: GT-AH2	
PHI 1012	Ethics: GT-AH3	
MUS 1021	Music History Medieval thru Classical Period: GT-AH1	
PHI 1014	Comparative Religions: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
Choose One Elective		3
PSC 1025	American State and Local Government: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
WST 2000	Introduction to Women`s Studies: GT-SS3	
COM 1150	Public Speaking	
COM 2300	Intercultural Communication: GT-SS3	
	Subtotal	**16**
Third Semester		
HIS 1220	U.S. History Since the Civil War: GT-HI1	3
Choose one History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1 [3]	
HIS 1110	The World: Antiquity-1500: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2046	Literature of Women: GT-AH2	
PHI 1012	Ethics: GT-AH3	
MUS 1021	Music History Medieval thru Classical Period: GT-AH1	
PHI 1014	Comparative Religions: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
PSY 1001	General Psychology I: GT-SS3	
PSY 2105	Psychology of Gender: GT-SS3	
SOC 2015	Contemporary Social Problems: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
PSC 1025	American State and Local Government: GT-SS1	

PSC 1011	American Government: GT-SS1	
Choose One Natural & Physical Sciences Course (GT-SC1~SC-2)		3
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
GEO 1060	Global Climate Change: GT-SC2	
GEY 1108	Geology of National Parks GT-SC2	
	Subtotal	**15**
Fourth Semester		
HIS 1075	Special Topics	1
COM 1010	Communicating through Technology	1
Choose One History Course		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1 [3]	
HIS 1110	The World: Antiquity-1500: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2001	World Literature to 1600: GT-AH2	
LIT 2012	American Literature After Civil War: GT-AH2	
MUS 1021	Music History Medieval thru Classical Period: GT-AH1	
MUS 1023	Survey of World Music: GT-AH1	
COM 1300	Communication and Popular Culture: GT-AH1	
Choose One History Course (GT-HI1)		3
HIS 2005	Women in World History: GT-HI1 [5]	
HIS 2105	Women in U.S. History: GT-HI1 [5]	
HIS 2110	African American History: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
HIS 2145	US History Since 1945: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
Choose One Elective		3
PSC 1025	American State and Local Government: GT-SS1	
PSC 1011	American Government: GT-SS1	
COM 2300	Intercultural Communication: GT-SS3 [5]	
WST 2000	Introduction to Women`s Studies: GT-SS3	
PSC 2005	International Relations: GT-SS1	
COM 1150	Public Speaking	
	Subtotal	**14**
	Total Credits	**60**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.
[2] One gtPathways mathematics course (GT-MA1), but not MAT 1220 or 1230.
[3] Students planning to transfer to the University of Colorado - Boulder must take either HIS 1310 or HIS 1320 to fulfill this requirement.
[4] Students planning to transfer to CSU-Ft. Collins are advised to complete at least two semesters of one college-level foreign language.
[5] Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Human Services

Associate of Applied Science
Health Sciences Pathway
CCD.edu/Human-Services

Community College of Denver currently offers two Associate of Applied Science degrees in human services.

- Human Services Transfer
- Human Services Pre-Social Work

Human Services Transfer Degree
The Associate of Applied Science (A.A.S.) in human services transfer degree represents the transfer-oriented associate degree for human services majors. All A.A.S. human services transfer degree coursework must be completed with a grade of C or better.

Upon completion, you may transfer to Metropolitan State University of Denver's Bachelor of Science program in human services or to the University of Colorado Denver's Bachelor of Science program in Human Development and Family Relations.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
MAT 1260	Intro to Statistics: GT-MA1	3
HSE 1006	Survey of Human Services	3
Choose One Elective		3
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
HSE 1007	Interviewing Principles	3
HSE 1008	Introduction to Therapeutic Systems	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
	Subtotal	**16**
Third Semester		
HSE 1088	Human Services Practicum I	4
HSE 2005	Human Services for Groups	3
HSE 2026	Case Management for Human Services Practitioners	3
Choose One Elective		3
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
FRE 2011	French Language III: GT-AH4	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
PHI 1014	Comparative Religions: GT-AH3	
PHI 1015	World Religions-West: GT-AH3	
PHI 1016	World Religions-East: GT-AH3	
SPA 2011	Spanish Language III: GT-AH4	
	Subtotal	**16**
Fourth Semester		
HSE 2006	Human Services for Families	3
HSE 2088	Human Services Practicum II	4
Choose One Natural & Physical Sciences Course (GT-SC1)		4
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	

Course	Title	Credits
PHY 1105	Conceptual Physics with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH2)		3
ART 1110	Art Appreciation: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
MUS 1022	Music History Romantic Period to Present: GT-AH1	
THE 1005	Theatre Appreciation: GT-AH1	
THE 2011	Development of Theatre Greek to Renaissance: GT-AH1	
	Subtotal	**14**
	Total Credits	**61**

Pre-Social Work

The Associate of Applied Science (A.A.S.) in human services, pre-social work pathway represents the transfer-oriented associate degree for human services majors with an emphasis in pre-social work. Upon completion of the A.A.S. human services pre-social work, you will be prepared to transfer to Metropolitan State University of Denver's (MSU Denver) Bachelor of Science program in social work. You will be required to apply to the social work program at MSU Denver and admission is not guaranteed. This degree is also transferable to the University of Colorado Denver's Bachelor of Science in Human Development and Family Relations. All A.A.S. human services transfer coursework must be completed with a grade of C or better. The CCD human services program is accredited by the Council for Standards in Human Service Education (www.cshse.org).

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education courses in the program.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [3]	3
MAT 1260	Intro to Statistics: GT-MA1 [3]	3
HSE 1005	Introduction to Social Welfare [1]	3
HSE 1006	Survey of Human Services	3
Choose One Communication Course [3]		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [3]	3
HSE 1007	Interviewing Principles	3
HSE 1008	Introduction to Therapeutic Systems	3
PSC 1011	American Government: GT-SS1 [3]	3
PSY 1001	General Psychology I: GT-SS3 [3]	3
	Subtotal	**15**
Third Semester		
HSE 2005	Human Services for Groups	3
HSE 2006	Human Services for Families	3
BIO 1005	Science of Biology with Lab: GT-SC1 [3]	4
PSY 1002	General Psychology II: GT-SS3 [3]	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
FRE 2011	French Language III: GT-AH4	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
PHI 1014	Comparative Religions: GT-AH3	
PHI 1015	World Religions-West: GT-AH3	
PHI 1016	World Religions-East: GT-AH3	
SPA 2011	Spanish Language III: GT-AH4	
	Subtotal	**16**

Course	Title	Credits
Fourth Semester		
HSE 2007	Community Organization	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
MUS 1021	Music History Medieval thru Classical Period: GT-AH1	
HUM 1022	Humanities: Medieval-Modern: GT-AH2	
HUM 1015	World Mythology: GT-AH2	
PHI 1012	Ethics: GT-AH3	
Choose One Natural & Physical Sciences (GT-SC1)		4
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
Choose One History Course (GT-HI1) [1]		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
Choose One Elective		3
SOC 1001	Introduction to Sociology I: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
	Subtotal	**16**
	Total Credits	**62**

[1] Fulfills Global Diversity Requirement at MSU Denver
[3] These courses are required prerequisites for admission to MSU Denver's social work program.

Political Science

Associate of Arts Degree

Social & Behavioral Sciences Pathway
CCD.edu/Poli-Sci

Political Science Transfer Major

The Associate of Arts (A.A.) in political science is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a four-year university to complete a Bachelor of Arts (B.A.) in political science. In this program, you will explore governmental structure and processes. Political science is the study of the political process, and you will learn to understand the difference between an opinion and an argument. Political science graduates have a passion for political life not only locally, but also globally. You will discover the origin, development, and operation of political systems and public policy. This program introduces you to political science and it includes courses that are common to all four-year institutions in Colorado.

Careers often require a B.A. degree or higher. Career paths for political science degree holders include much more than running for political office. They also include public service, law, international relations, business, political campaigns and working for charitable organizations. The A.A. degree in political science prepares you to complete the second half of a B.A. in political science at a four-year university.

COURSE MAP

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
ENG 1021	English Composition I: GT-CO1 [1]	3
MAT 1260	Intro to Statistics: GT-MA1	3
COM 1250	Interpersonal Communication: GT-SS3	3
Choose One Elective Course		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	

ANT 1001	Cultural Anthropology: GT-SS3	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [1]	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
PSC 2020	Intro to Political Science: GT-SS1	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2046	Literature of Women: GT-AH2	
PHI 1012	Ethics: GT-AH3	
MUS 1021	Music History Medieval thru Classical Period: GT-AH1	
PHI 1014	Comparative Religions: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		4
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
	Subtotal	**16**
Third Semester		
PSC 2005	International Relations: GT-SS1 [4]	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
Choose One Elective [5]		3
PSC 1025	American State and Local Government: GT-SS1	
PSC 1011	American Government: GT-SS1	
PSC 2005	International Relations: GT-SS1	
GEO 1060	Global Climate Change: GT-SC2	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
Choose One Elective [5]		3
PSC 1025	American State and Local Government: GT-SS1	
WST 2000	Introduction to Women`s Studies: GT-SS3	
GEO 1060	Global Climate Change: GT-SC2	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
Choose One History Course (GT-HI1)		3
HIS 1220	U.S. History Since the Civil War: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2105	Women in U.S. History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2110	African American History: GT-HI1	
	Subtotal	**15**
Fourth Semester		
PSC 2025	Comparative Government: GT-SS1 [4]	3
COM 1010	Communicating through Technology	1
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
Choose One Elective [5]		3
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
PSC 1025	American State and Local Government: GT-SS1	
WST 2000	Introduction to Women`s Studies: GT-SS3	
GEO 1060	Global Climate Change: GT-SC2	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	

LIT 2046	Literature of Women: GT-AH2	
PHI 1012	Ethics: GT-AH3	
MUS 1021	Music History Medieval thru Classical Period: GT-AH1	
PHI 1014	Comparative Religions: GT-AH3	
COM 1300	Communication and Popular Culture: GT-AH1	
	Subtotal	**14**
	Total Credits	**60**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022

[2] One gtPathways mathematics course (GT-MA1), but not MAT 1220 or 1230

[3] University of Colorado Denver choice.

[4] Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied.

[5] Additional Political Science (PSC) courses beyond the 4 courses (12 credit hours) identified above may not count toward the Political Science major at the receiving 4-year institution. See explanation in Limitations section.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Psychology

Associate of Arts Degree
Social & Behavioral Sciences Pathway
CCD.edu/Psychology

Psychology Transfer Major
The Associate of Arts (A.A.) in psychology is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a four-year college or university to complete a Bachelor of Arts (B.A.) in psychology. Human behavior, mental processes and psychopathology are explored. Psychologists also study emotion, motivation, personality, neuroscience and relationships, as well as developmental issues, including sexuality and aging. Careers in psychology typically require a master's or doctorate degree. The program includes courses that are common to all four-year institutions in Colorado. The A.A. in psychology prepares you to complete the second half of a B.A. in psychology at a four-year university.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [1]	3
SOC 1002	Introduction to Sociology II: GT-SS3	3
COM 1250	Interpersonal Communication: GT-SS3	3
PSY 1001	General Psychology I: GT-SS3	3
Choose One Mathematics Course (GT-MA1)		3-4
MAT 1260	Intro to Statistics: GT-MA1 [1]	
MAT 1340	College Algebra: GT-MA1 [2]	
	Subtotal	**15-16**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [1]	3
PSY 1002	General Psychology II: GT-SS3	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ANT 2315	Introduction to Forensic Anthropology with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
Choose One History Course (GT-HI1)		3

HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 1220	U.S. History Since the Civil War: GT-HI1	
Choose One Social & Behavioral Science Course (GT-SS1~GTSS3)		3
PSY 2107	Human Sexuality: GT-SS3	
PSY 2221	Social Psychology: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2333	Health Psychology: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
PSY 2771	Psychology of Personality: GT-SS3	
	Subtotal	**16**

Third Semester

Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [3]		3
MUS 1020	Music Appreciation: GT-AH1	
MUS 1023	Survey of World Music: GT-AH1	
THE 1005	Theatre Appreciation: GT-AH1	
COM 1300	Communication and Popular Culture: GT-AH1	
ART 1110	Art Appreciation: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 1005	Science of Biology with Lab: GT-SC1	
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	
Choose One Psychology Course (GT-SS3)		3
PSY 2222	Psychology of Death and Dying: GT-SS3	
PSY 2331	Positive Psychology: GT-SS3	
PSY 2221	Social Psychology: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
PSY 2771	Psychology of Personality: GT-SS3	
Choose One Psychology Course (GT-SS3)		3
PSY 2107	Human Sexuality: GT-SS3	
PSY 2331	Positive Psychology: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2333	Health Psychology: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
PSY 2771	Psychology of Personality: GT-SS3	
Choose One Arts & Humanities Course (GT-AH2)		3
HUM 1003	Introduction to Film Art: GT-AH2	
HUM 1015	World Mythology: GT-AH2	
HUM 1021	Humanities: Early Civilization: GT-AH2	
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
	Subtotal	**16**

Fourth Semester

COM 1010	Communicating through Technology	1
Choose One Psychology Course (GT-SS3)		3
PSY 2221	Social Psychology: GT-SS3	
PSY 2222	Psychology of Death and Dying: GT-SS3	
PSY 2331	Positive Psychology: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2333	Health Psychology: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
Choose One Arts & Humanities Course (GT-AH3) [3]		3
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1012	Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 1014	Comparative Religions: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	

Choose One Elective		3
ANT 1001	Cultural Anthropology: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
ETH 2000	Introduction to Ethnic Studies: GT-SS3	
PSY 2770	Introduction Forensic Psychology	
PSY 2660	Introduction to Evolutionary Psychology	
PSY 2661	Brain and Behavior	
Choose One Elective		3
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
PSY 2770	Introduction Forensic Psychology	
PSY 2660	Introduction to Evolutionary Psychology	
PSY 2661	Brain and Behavior	
SOC 1001	Introduction to Sociology I: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
	Subtotal	**13**
	Total Credits	**60-61**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022

[2] One GT Pathways course (GT-MA1), prefer MAT 1260: Introduction to Statistics, except: Colorado Mesa University requires either MAT 1240: Mathematics for the Liberal Arts or MAT 1340: College Algebra; Colorado State University – Pueblo prefers MAT 1340: College Algebra; Fort Lewis College requires MAT 1260: Intro to Statistics; University of Colorado Boulder requires MAT 1340: College Algebra or higher; University of Colorado Colorado Springs requires MAT 1340: College Algebra; Western State Colorado University requires MAT 1340: College Algebra.

[3] You are required to take two arts and humanities classes but you have the additional requirement that they are from different categories. The categories are:
- GT-AH1 arts and expression
- GT-AH2 literature and humanities
- GT-AH3 ways of thinking
- G- AH4 world languages.

Please reach out to your academic advisor if you have questions about this requirement.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Associate of Science Degree
Social & Behavioral Sciences Pathway
CCD.edu/Psychology

Psychology Transfer Major
COURSE MAP
Course map pending. Please see advisor for more details.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Sociology

Associate of Arts Degree
Social & Behavioral Sciences Pathway
CCD.edu/Sociology

Sociology Transfer Major
If you find yourself interested in human social groups, social problems, social change and social justice, sociology may be the degree for you! Our Associate of Arts (A.A.) in sociology is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a university to complete a Bachelor of Arts (B.A.) in sociology. It offers the opportunity

to explore social factors and human behaviors in society, as well as how social organization has developed and changed over time. Additionally, we have courses that enable you to apply what you learn and develop real-world skills. Through this A.A., you will take courses common to all four-year institutions in Colorado and develop the skills and preparation to complete the second half of a B.A. in sociology at a four-year university, as well as for careers paths in management, human resources, training and development, research, social services, mental health services, adoption, child care, youth services, disability services, child welfare, victims' rights, labor rights, community organization and public relations.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1 [1]	3
SOC 1002	Introduction to Sociology II: GT-SS3	3
COM 1250	Interpersonal Communication: GT-SS3	3
Choose One Mathematics Course (GT-MA1)		3-4
MAT 1260	Intro to Statistics: GT-MA1 [2]	
MAT 1340	College Algebra: GT-MA1	
MAT 1240	Math for Liberal Arts: GT-MA1	
MAT 1320	Finite Mathematics: GT-MA1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
COM 1300	Communication and Popular Culture: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
MUS 1023	Survey of World Music: GT-AH1	
THE 1005	Theatre Appreciation: GT-AH1	
	Subtotal	**15-16**
Second Semester		
SOC 1001	Introduction to Sociology I: GT-SS3	3
ENG 1022	English Composition II: GT-CO2 [1]	3
Choose One History Course (GT-HI1)		3
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 1220	U.S. History Since the Civil War: GT-HI1	
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ANT 2315	Introduction to Forensic Anthropology with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 1001	Cultural Anthropology: GT-SS3	
ETH 2000	Introduction to Ethnic Studies: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
PSY 1001	General Psychology I: GT-SS3	
PSC 2020	Intro to Political Science: GT-SS1	
GEO 1006	Human Geography: GT-SS2	
	Subtotal	**16**
Third Semester		
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
HUM 1003	Introduction to Film Art: GT-AH2	
HUM 1015	World Mythology: GT-AH2	
HUM 1021	Humanities: Early Civilization: GT-AH2	
LIT 1015	Introduction to Literature I: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2002	World Literature After 1600: GT-AH2	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ANT 2315	Introduction to Forensic Anthropology with Lab: GT-SC1	
AST 1120	Astronomy II with Lab: GT-SC1	
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEO 1011	Physical Geography: Landforms with Lab: GT-SC1	
Choose One Sociology Course (GT-SS3)		3
SOC 2005	Sociology of Family Dynamics: GT-SS3	
SOC 2007	Environmental Sociology: GT-SS3	
SOC 2015	Contemporary Social Problems: GT-SS3	
SOC 2016	Sociology Of Gender: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
Choose One Social & Behavioral Science Course (GT-SS1, GT-SS2, GT-SS3)		3
ANT 1001	Cultural Anthropology: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
ETH 2000	Introduction to Ethnic Studies: GT-SS3	
PSC 2020	Intro to Political Science: GT-SS1	
PSY 2440	Human Growth and Development: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
Choose One Arts & Humanities Course (GT-AH3)		3
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1012	Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 1014	Comparative Religions: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
	Subtotal	**16**
Fourth Semester		
COM 1010	Communicating through Technology	1
Choose One Sociology Course (GT-SS3)		3
SOC 2007	Environmental Sociology: GT-SS3	
SOC 2015	Contemporary Social Problems: GT-SS3	
SOC 2016	Sociology Of Gender: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
SOC 2037	Sociology of Death and Dying: GT-SS3	
Choose One Sociology Course (GT-SS3)		3
SOC 2005	Sociology of Family Dynamics: GT-SS3	
SOC 2007	Environmental Sociology: GT-SS3	
SOC 2015	Contemporary Social Problems: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
SOC 2020	Sociology of Religion: GT-SS3	
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
Choose One Elective [3]		3
SOC 2007	Environmental Sociology: GT-SS3	
PSY 1002	General Psychology II: GT-SS3	
PSY 2107	Human Sexuality: GT-SS3	
PSY 2221	Social Psychology: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
Choose One Elective [3]		3
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
PSY 2660	Introduction to Evolutionary Psychology	
PSY 2661	Brain and Behavior	
PSY 2770	Introduction Forensic Psychology	
JOU 1005	Introduction to Mass Media: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
	Subtotal	**13**
	Total Credits	**60-61**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

[2] One GT Pathways course (GT-MA1)-prefer MAT 1260: Introduction to Statistics, except: Adams State University prefers MAT 1340: College Algebra; Colorado Mesa University requires either MAT 1240: Mathematics for the Liberal Arts or MAT 1340: College Algebra; University of Colorado Denver requires MAT 1340: College Algebra or MAT 1320: Finite Mathematics or MAT 1260: Intro to Statistics; Western State Colorado University requires MAT 1240 or MAT 1340: Math for Liberal Arts

[3] Additional SOC courses beyond the 5 courses (15 credit hours) identified above may not count toward the Sociology major at the receiving 4-year institution. See explanation in Limitation section.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Science, Technology, Engineering & Mathematics (STEM) Pathway

Careers in STEM are among the fastest growing careers. Be at the forefront of the innovations and developments that will impact our world in the coming years and build a strong base of your knowledge to transfer to a four-year college or university or start with a certificate or degree in your career field.

Program Name	Degree Type
ASSOCIATE OF SCIENCE	
- Associate of Science Transfer Major	Associate of Science[1]
BIOLOGY PROGRAM	
- Biology Transfer Major	Associate of Science[1]
CANNABIS SCIENCE & OPERATIONS	
- Cannabis Science & Operations	Bachelor of Applied Science
CHEMISTRY PROGRAM	
- Chemistry Transfer Major	Associate of Science[1]
ENGINEERING	
- Civil Engineering Transfer	Associate of Science
- Electrical Engineering Transfer	Associate of Science
- Mechanical Engineering Transfer	Associate of Science
- Civil Engineering Transfer	Associate of Engineering Science
- Engineering Transfer	Associate of Engineering Science
- Mechanical Engineering Transfer	Associate of Engineering Science
ENVIROMENTAL SCIENCE PROGRAM	
- Enviromental Science	Associate of Science
GEOLOGY PROGRAM	
- Geology Transfer Major	Associate of Science[1]
INFORMATION TECHNOLOGY PROGRAM	
- Computer Science Transfer Major	Associate of Science[1]
- Computer Information Systems	Associate of Applied Science
- Cybersecurity	Associate of Applied Science
- Information Technology	Associate of Applied Science
- Computer Technology	Certificate
- Computer Service and Support	Certificate
- Cybersecurity	Certificate
- Data Analytics	Certificate
- Healthcare	Certificate
- Network Security	Certificate
MATHEMATICS PROGRAM	
- Mathematics Transfer Major	Associate of Science[1]
PHYSICS PROGRAM	
- Physics Transfer Major	Associate of Science[1]

[1] Denotes a "Transfer Major" that has a statewide transfer degree plan or a statewide transfer articulation program in place and is fully transferable in its entirety into any Colorado public four-year program. Transfer Majors are awarded with a specific program designation major on the transcript. See an academic advisor for more information.

Biology

Associate of Science Degree
Science, Technology, Engineering & Math Pathway
CCD.edu/Biology

Biology Transfer Major
The Associate of Science degree with a designation in biology is a two-year program designed for you to graduate and transfer to a four-year institution to complete a Bachelor of Science in biology. In this program, you will explore physics, chemistry and biology and will learn that biology is the study of life and living beings, including their types, growth, structure, evolution, including where and how they live. Modern biology is very broad and it has many smaller areas, including the study of animals, plants, cells, genes, and other life science topics. Career paths for biology degree holders include pre-medicine, pre-pharmacy, pre-veterinary, physical therapy, dentistry and many other scientific fields.

COURSE MAP

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
BIO 1111	General College Biology I with Lab: GT-SC1	5
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
ENG 1021	English Composition I: GT-CO1 [1]	3
	Subtotal	**16**
Second Semester		
CHE 1112	General College Chemistry II with Lab: GT-SC1	5
MAT 2410	Calculus I: GT-MA1 [2]	5
ENG 1022	English Composition II: GT-CO2 [1]	3
	Subtotal	**13**
Third Semester		
BIO 1112	Gen College Biology II with Lab: GT-SC1	5
PHY 1111	Physics Algebra-Based I with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
SPA 2011	Spanish Language III: GT-AH4	
HUM 1015	World Mythology: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 1012	Ethics: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
GEO 1005	World Regional Geography: GT-SS2	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
PSC 2020	Intro to Political Science: GT-SS1	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
JOU 1005	Introduction to Mass Media: GT-SS3	
	Subtotal	**16**
Fourth Semester		
PHY 1112	Physics Algebra-Based II with Lab: GT-SC1	5
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	

HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 1220	U.S. History Since the Civil War: GT-HI1	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
SPA 2012	Spanish Language IV: GT-AH4	
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 1013	Logic: GT-AH3	
PHI 1012	Ethics: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
Choose One Natural & Physical Sciences Course		4-5
BIO 2104	Microbiology with Lab: GT-SC1	
BIO 2120	General Zoology with Lab: GT-SC1	
BIO 2124	Genetics	
BIO 2122	General College Ecology	
	Subtotal	**15-16**
	Total Credits	**60-61**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

[2] Requires prerequisite coursework: MAT 1340 and MAT 1420; see your academic advisor for specific information.

NOTE: It should be noted that per Colorado law {C. R. S. §23-1-125(1)(e)}, general education courses taken online, including general education science courses, are guaranteed to transfer as core course (GT Pathways) requirements at all Colorado public institutions of higher education. If you plan on transferring to a four-year institution in the science or health professions, and want to take a science course online, please speak to your academic advisor about how to ensure that it does transfer.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

NOTE: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied - for all science courses except that BIO 1111, CHE 1111.

NOTE: Students are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if they anticipate transferring to a 4-year institution or completing graduate work in the sciences or health professions. It should be noted that per Colorado Revised Statute, §23-1-125(1)(e), general education courses taken online are guaranteed to satisfy core course (GT Pathways) requirements at all Colorado public institutions of higher education.

Cannabis Science & Operations

Associate of Applied Science
Business Pathway
CCD.edu

Cannabis Business
The Associate of Applied Science degree is designed to prepare a new generation of business managers and operators within a cannabis enterprise. The program combines a mix of core business, management, and marketing curriculum with applied cannabis-related courses. It provides students with the knowledge, skills, and practical experience essential to operate a cannabis business within the legal constraints.

There are *four tracks* you can take to complete your Associate of Applied Science degree in Cannabis Business:

Entrepreneurship and Customer Service Track-Completion of this track will allow you to finish your Associate degree in Cannabis Business with stackable certificates in both Entrepreneurship and Customer Service.

Cannabis Science and Operations Bachelor of Applied Science (BAS) Track-Select this track if you intend to complete your Bachelors of Applied Science (BAS) degree in Cannabis Science and Operations (CSO). This track will provide you with the necessary pre-requisites for success in the CSO-BAS degree program.

Cultivation Track-Select this track if you do not intend to continue to the CSO-BAS but wish to learn more about the cultivation, environmental sustainability, and waste management aspects of the Cannabaceae family of plants.

Logistics and Supply Chain Management Track-Choose this track if you wish to complete your Associate degree in Cannabis Business with additional understanding of logistics and supply chain management. This track does not result in a Supply Chain certificate and course content is not specific to the cannabis industry.

Cultivation Track &
Cannabis Science and Operations (CSO) Bachelor of Science
Continuation Track

Course	Title	Credits
First Semester		
BUS 1015	Introduction to Business	3
CSO 1000	Cannabis Fundamentals	3
ENG 1031	Technical Writing I: GT-CO1	3
MAT 1260	Intro to Statistics: GT-MA1	3
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
	Subtotal	**15**
Second Semester		
CSO 1050	Cannabis Business	3
PHI 2005	Business Ethics: GT-AH3	3
CSO 2000	Cannabis Laws, Regulations, and Compliance	3
CSO 2015	Software and Systems Requirements for Cannabis Business	3
Choose One Course		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1	
	Subtotal	**15**
Third Semester		
CSO 2020	Cannabis Business Accounting	4
CSO 2030	Cannabis Retail and Management	3
BUS 1021	Basic Workplace Skills	1
MAR 2016	Principles of Marketing	3
Choose One Elective Based on Chosen Track		4-5
AGY 3025	Cannabis Plant Botany and Cultivation [1]	
MAT 1340	College Algebra: GT-MA1 [2]	
CHE 1111	General College Chemistry I with Lab: GT-SC1 [2]	
	Subtotal	**15-16**
Fourth Semester		
CSO 4035	Cannabis-Infused Products	3
MAN 2026	Principles of Management	3
CSO 4050	Public Health and Cannabis Use	3
CSO 2080	Internship	3
Choose One Elective Based on Chosen Track		3-5
CSO 4025	Environmental Sustainability & Waste Management in Cannabis Cultivation [1]	
CHE 1111	General College Chemistry I with Lab: GT-SC1 [2]	

Course	Title	Credits
CHE 1112	General College Chemistry II with Lab: GT-SC1 [2]	
	Subtotal	**15-17**
	Total Credits	**60-63**

[1] Cultivation Track
[2] Cannabis Science & Operations Bachelor of Applied Science (BAS) Continuation Track

**Supply Chain Management Track &
Customer Service and Entrepreneurship Track**

Course	Title	Credits
First Semester		
BUS 1015	Introduction to Business	3
CSO 1000	Cannabis Fundamentals	3
ENG 1031	Technical Writing I: GT-CO1	3
MAT 1260	Intro to Statistics: GT-MA1	3
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
	Subtotal	**15**
Second Semester		
CSO 1050	Cannabis Business	3
PHI 2005	Business Ethics: GT-AH3	3
CSO 2000	Cannabis Laws, Regulations, and Compliance	3
CSO 2015	Software and Systems Requirements for Cannabis Business	3
Choose One Course		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1	
	Subtotal	**15**
Third Semester		
CSO 2020	Cannabis Business Accounting	4
CSO 2030	Cannabis Retail and Management	3
BUS 1021	Basic Workplace Skills	1
MAR 2016	Principles of Marketing	3
Choose One Elective Based on Chosen Track		3
MAN 1005	Logistics Management [3]	
MAR 1060	Customer Service [4]	
	Subtotal	**14**
Fourth Semester		
CSO 4035	Cannabis-Infused Products	3
MAN 2026	Principles of Management	3
CSO 4050	Public Health and Cannabis Use	3
CSO 2080	Internship	3
Choose One Elective Based on Chosen Track		3
BUS 2001	Business Logistics Optimization [3]	
MAR 1011	Principles of Sales [4]	
Choose One Elective Based on Chosen Track		3
BUS 2002	Business Purchasing, Supply, and Sourcing Logistics [3]	
MAN 1060	Entrepreneurship [4]	
	Subtotal	**18**
	Total Credits	**62**

[3] Supply Chain Management Track
[4] Customer Service and Entrepreneurship Track

Bachelor of Applied Science
Science, Technology, Engineering & Math Pathway
CCD.edu

CANNABIS SCIENCE & OPERATIONS

The Cannabis Science and Operations Bachelor of Applied Science (BAS) program (a total of 120 credit hours) offers a flexible upper level 60-credit hour degree designed specifically for students who have earned an associate degree from a regionally accredited institution in related areas. The BAS program will be primarily delivered face-to-face but it may include other delivery methods such as hybrid or Online.

The Cannabis Science and Operations BAS degree equips graduates with necessary skills to gain employment in the emerging cannabis field. It combines a mix of core chemistry and biology curriculum with applied cannabis-related courses. Graduates from this program earn 420 hours of hands-on experience in state-of-art instrumentation laboratories and 90 internship hours, giving them the foundational skills necessary to be successful across various professions. Examples of reported job titles include Laboratory Manager/Technician, Analytical Chemist, Cannabis Extraction Manager/Technician, Formulation/Process development Scientist, Research and Development Scientist, Cannabis Cultivation Scientist, Cannabis regulatory Manager, Field Application Scientist, or Pharmaceutical Chemist.

COURSE MAP
Plan of Study Grid

Course	Title	Credits
First Semester		
Fall		
CSO 3000	Cannabis Seminar	3
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	4
MAT 1340	College Algebra: GT-MA1	4
Choose One Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1022	English Composition II: GT-CO2	
ENG 2001	English Composition III: GT-CO3	
ENG 1031	Technical Writing I: GT-CO1	
	Subtotal	**14**
Second Semester		
Spring		
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
MAT 1260	Intro to Statistics: GT-MA1	3
AGY 3025	Cannabis Plant Botany and Cultivation	4
	Subtotal	**12**
Third Semester		
Summer		
CSO 3010	Fundamentals of Cannabis Science w/Lab	5
CHE 1112	General College Chemistry II with Lab: GT-SC1	5
	Subtotal	**10**
Fourth Semester		
Fall		
CSO 4000	Chemical Analysis of Medicinal Plants w/Lab	4
CSO 4005	Endocannabinoid System and Pharmacology	4
CSO 4015	Microbiological Analysis of Medicinal Plant w/Lab	4
	Subtotal	**12**
Fifth Semester		
Spring		
CSO 4010	Extraction for Production	3
CSO 4050	Public Health and Cannabis Use	3
CSO 4089	Medicinal Plant Analysis Capstone	4
CSO 4080	Internship	2
	Subtotal	**12**
	Total Credits	**60**

Chemistry

Associate of Science Degree
Science, Technology, Engineering & Math Pathway
CCD.edu/Chemistry

Chemistry Transfer Major

The Associate of Science degree with a designation in chemistry is a two-year program designed for you to graduate and transfer to a four-year institution to complete a bachelor's degree in chemistry.

In this program, students will be equipped with conceptual and experimental tools required to understand and manipulate the molecular world. The program offers classroom, and laboratory practices. Career paths for chemistry degree holders include, but not limited to, quality control, pharmaceutical research, chemical engineering and national defense.

COURSE MAP

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
CHE 1111	General College Chemistry I with Lab: GT-SC1 [3]	5
ENG 1021	English Composition I: GT-CO1 [1]	3
MAT 2410	Calculus I: GT-MA1 [2]	5
	Subtotal	**16**
Second Semester		
CHE 1112	General College Chemistry II with Lab: GT-SC1 [3]	5
ENG 1022	English Composition II: GT-CO2 [1]	3
MAT 2420	Calculus II: GT-MA1 [2]	5
	Subtotal	**13**
Third Semester		
CHE 2111	Organic Chemistry I with Lab	5
MAT 2430	Calculus III: GT-MA1	4
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
HUM 1015	World Mythology: GT-AH2	
HUM 1023	Humanities: Modern World: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 1013	Logic: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
ART 1110	Art Appreciation: GT-AH1	
	Subtotal	**17**
Fourth Semester		
CHE 2112	Organic Chemistry II with Lab	5
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Elective		1
CHE 1085	Independent Study	
CSC 1019	Introduction to Programming	
ECO 2002	Principles of Microeconomics: GT-SS1	
EGG 1050	Engineering Data Analysis	
EGG 1051	Experimental Design	
Choose One History Course (GT-HI1)		3
HIS 2015	20th Century World History: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1220	U.S. History Since the Civil War: GT-HI1	
HIS 2105	Women in U.S. History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
	Subtotal	**14**
	Total Credits	**60**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.
[2] Requires prerequisite coursework: MAT 1340 and MAT 1420; see your academic advisor for specific information.
[3] CHE 1111, CHE 1112, CHE 2111, and CHE 2112 cannot be taken online.

NOTE: This statewide transfer articulation agreement in chemistry does not fulfill requirements for the GT Pathways general education curriculum or the Associate of Science degree prior to transfer; however, this agreement does guarantee a student, if admitted, junior standing and completion of the baccalaureate degree within an additional 60 semester hours at the receiving institution.

Completion of the receiving institution's lower division general education requirements is fulfilled only under the condition that one GT Pathways-approved course in arts and humanities (AH1~AH4) and one GT Pathways-approved course in social and behavioral sciences (SS1, SS2, or SS3) are successfully completed at the receiving institution within the first 30 hours or 12 calendar months.

Students transferring to a four-year college/university under this chemistry agreement are encouraged to 'reverse' transfer the one GT Pathways course in arts and humanities and the one GT Pathways course in social and behavioral sciences (Note #2 above) back to their community college in order to complete the GT Pathways general education program and to earn their Associate of Science degree with a chemistry designation. Lecture and laboratory portions of organic chemistry, CHE 2111 and 2112, must not be taken in an online delivery format.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Engineering

Associate of Science
Science, Technology, Engineering & Math Pathway

Civil Engineering
University of Colorado Denver Transfer
The Associate of Science degree in Civil Engineering is designed for you to complete the first two years of a bachelor's degree and transfer to University of Colorado Denver (UCD) for a bachelor degree in Civil Engineering. As a civil engineer you work in areas such as structural design and construction, water management, and energy explorations.

Course	Title	Credits
First Semester		
EGG 1030	Robotics Design	1
CAD 1101	Computer Aided Drafting I	3
MAT 1340	College Algebra: GT-MA1 [1]	4
ENG 1021	English Composition I: GT-CO1	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
	Subtotal	**14**
Second Semester		
EGG 1051	Experimental Design	2
MAT 1440	Pre-Calculus: GT-MA1 [1]	5
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
ENG 1022	English Composition II: GT-CO2	3
	Subtotal	**15**
Third Semester		
CAD 1102	Computer Aided Drafting II	3
MAT 2410	Calculus I: GT-MA1	5
PHI 1012	Ethics: GT-AH3	3
COM 2300	Intercultural Communication: GT-SS3	3
EGG 1050	Engineering Data Analysis [2]	1
	Subtotal	**15**
Fourth Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One History Course (GT-HI1)		3
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2500	History of Islamic Civilization: GT-HI1	

Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
MUS 1023	Survey of World Music: GT-AH1	
MUS 1025	History of Jazz: GT-AH1	
	Subtotal	16
	Total Credits	60

[1] MAT 1340 and MAT 1440 are prerequisites for MAT 201, the first math class required for an engineering degree. Please see an advisor if you do not need to take MAT 1340 or MAT 1440.

[2] EGG 1050 is an elective. Please see an advisor for other classes to meet graduation requirements.

CIVIL ENGINEERING
Metropolitan State Univeristy of Denver TRANSFER

The Associate of Science degree in Civil Engineering is designed for you to complete the first two years of a bachelor's degree and transfer to Metropolitan State University of Denver (MSU Denver) for a bachelor degree in Civil Engineering. As a civil engineer you work in areas such as structural design and construction, water management, and energy explorations.

Course	Title	Credits
First Semester		
EGG 1030	Robotics Design	1
CAD 1101	Computer Aided Drafting I	3
MAT 1340	College Algebra: GT-MA1 [1]	4
ENG 1021	English Composition I: GT-CO1	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
	Subtotal	14
Second Semester		
EGG 1051	Experimental Design	2
MAT 1440	Pre-Calculus: GT-MA1 [1]	5
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
ENG 1022	English Composition II: GT-CO2	3
	Subtotal	15
Third Semester		
CAD 1102	Computer Aided Drafting II	3
MAT 2410	Calculus I: GT-MA1	5
PHI 1012	Ethics: GT-AH3	3
COM 2300	Intercultural Communication: GT-SS3	3
EGG 1050	Engineering Data Analysis [2]	1
	Subtotal	15
Fourth Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One History Course (GT-HI1)		3
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2500	History of Islamic Civilization: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
MUS 1023	Survey of World Music: GT-AH1	
MUS 1025	History of Jazz: GT-AH1	
	Subtotal	16
	Total Credits	60

[1] MAT 1340 and MAT 1440 are prerequisites for MAT 201, the first math class required for an engineering degree. Please see an advisor if you do not need to take MAT 1340 or MAT 1440.

[2] EGG 1050 is an elective. Please see an advisor for other classes to meet graduation requirements.

Electrical Engineering
UNIVERSITY OF COLORADO DENVER TRANSFER

The Associate of Science Degree in Electrical Engineering is designed for you to complete the first two years of a bachelor's degree and transfer to University of Colorado Denver (UCD) for a bachelor degree in Electrical Engineering. As an electrical engineer you work in areas such as communication systems, control systems, and power distribution systems.

Course	Title	Credits
First Semester		
EGG 1030	Robotics Design	1
MAT 1340	College Algebra: GT-MA1 [1]	4
ENG 1021	English Composition I: GT-CO1	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
PHI 1012	Ethics: GT-AH3	3
	Subtotal	14
Second Semester		
EGG 1051	Experimental Design	2
MAT 1440	Pre-Calculus: GT-MA1 [1]	5
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
ENG 1022	English Composition II: GT-CO2	3
	Subtotal	15
Third Semester		
MAT 2410	Calculus I: GT-MA1	5
CSC 1060	Computer Science I: (Language)	4
Choose One History Course (GT-HI1)		3
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2500	History of Islamic Civilization: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH2~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
MUS 1023	Survey of World Music: GT-AH1	
MUS 1025	History of Jazz: GT-AH1	
	Subtotal	15
Fourth Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
COM 2300	Intercultural Communication: GT-SS3	3
Choose One Inter-institutional Course		3
EET 2310 (MSU)		
ELEC 1510 (UCD)		
	Subtotal	16
	Total Credits	60

[1] MAT 1340 and MAT 1440 are prerequisites for MAT 2410, the first math class required for an engineering degree. Please see an advisor if you do not need to take MAT 1340 or MAT 1440.

ELECTRICAL ENGINEERING
METROPOLITAN STATE UNIVERISTY OF DENVER TRANSFER

The Associate of Science Degree in Electrical Engineering is designed for you to complete the first two years of a bachelor's degree and transfer to Metropolitan State University of Denver (MSU Denver) for a bachelor degree

in Electrical Engineering. As an electrical engineer you work in areas such as communication systems, control systems, and power distribution systems.

Course	Title	Credits
First Semester		
EGG 1030	Robotics Design	1
MAT 1340	College Algebra: GT-MA1 [1]	4
ENG 1021	English Composition I: GT-CO1	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
PHI 1012	Ethics: GT-AH3	3
	Subtotal	**14**
Second Semester		
EGG 1051	Experimental Design	2
MAT 1440	Pre-Calculus: GT-MA1 [1]	5
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
ENG 1022	English Composition II: GT-CO2	3
	Subtotal	**15**
Third Semester		
MAT 2410	Calculus I: GT-MA1	5
CSC 1060	Computer Science I: (Language)	4
Choose One History Course (GT-HI1)		3
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2500	History of Islamic Civilization: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH2~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
MUS 1023	Survey of World Music: GT-AH1	
MUS 1025	History of Jazz: GT-AH1	
	Subtotal	**15**
Fourth Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
COM 2300	Intercultural Communication: GT-SS3	3
Choose One Inter-institutional Course		3
EET 2310 (MSU)		
ELEC 1510 (UCD)		
	Subtotal	**16**
	Total Credits	**60**

[1] MAT 1340 and MAT 1440 are prerequisites for MAT 2410, the first math class required for an engineering degree. Please see an advisor if you do not need to take MAT 1340 or MAT 1440.

Mechanical Engineering
UNIVERSITY OF COLORADO DENVER TRANSFER
The Associate of Science degree in Mechanical Engineering is designed for you to complete the first two years of a bachelors degree and transfer to University of Colorado Denver (UCD) for a bachelor degree in Mechanical Engineering. As a mechanical engineer you work in areas such as manufacturing, transportation, and aerospace industries.

Course	Title	Credits
First Semester		
EGG 1030	Robotics Design	1
CAD 1101	Computer Aided Drafting I	3
MAT 1340	College Algebra: GT-MA1 [1]	4
ENG 1021	English Composition I: GT-CO1	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
	Subtotal	**14**

Course	Title	Credits
Second Semester		
EGG 1051	Experimental Design	2
MAT 1440	Pre-Calculus: GT-MA1 [1]	5
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
ENG 1022	English Composition II: GT-CO2	3
	Subtotal	**15**
Third Semester		
CAD 2455	SolidWorks/Mechanical	3
MAT 2410	Calculus I: GT-MA1	5
PHI 1012	Ethics: GT-AH3	3
COM 2300	Intercultural Communication: GT-SS3	3
EGG 1050	Engineering Data Analysis [2]	1
	Subtotal	**15**
Fourth Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One History Course (GT-HI1)		3
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2500	History of Islamic Civilization: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH2~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
MUS 1023	Survey of World Music: GT-AH1	
MUS 1025	History of Jazz: GT-AH1	
	Subtotal	**16**
	Total Credits	**60**

[1] MAT 1340 and MAT 1440 are prerequisites for MAT 201, the first math class required for an engineering degree. Please see an advisor if you do not need to take MAT 1340 or MAT 1440.
[2] EGG 1050 is an elective. Please see an advisor for other classes to meet graduation requirements.

MECHANICAL ENGINEERING
METROPOLITAN STATE UNIVERISTY OF DENVER TRANSFER
The Associate of Science degree in Mechanical Engineering is designed for you to complete the first two years of a bachelors degree and transfer to Metropolitan State University of Denver (MSU Denver) for a bachelor degree in Mechanical Engineering. As a mechanical engineer you work in areas such as manufacturing, transportation, and aerospace industries.

Course	Title	Credits
First Semester		
EGG 1030	Robotics Design	1
CAD 1101	Computer Aided Drafting I	3
MAT 1340	College Algebra: GT-MA1 [1]	4
ENG 1021	English Composition I: GT-CO1	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
	Subtotal	**14**
Second Semester		
EGG 1051	Experimental Design	2
MAT 1440	Pre-Calculus: GT-MA1 [1]	5
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
ENG 1022	English Composition II: GT-CO2	3
	Subtotal	**15**
Third Semester		
CAD 2455	SolidWorks/Mechanical	3
MAT 2410	Calculus I: GT-MA1	5
PHI 1012	Ethics: GT-AH3	3
COM 2300	Intercultural Communication: GT-SS3	3

EGG 1050	Engineering Data Analysis [2]	1
	Subtotal	**15**
Fourth Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One History Course (GT-HI1)		3
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2500	History of Islamic Civilization: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH2~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
MUS 1023	Survey of World Music: GT-AH1	
MUS 1025	History of Jazz: GT-AH1	
	Subtotal	**16**
	Total Credits	**60**

[1] <p>MAT 1340 and MAT 1440 are prerequisites for MAT 201, the first math class required for an engineering degree. Please see an advisor if you do not need to take MAT 1340 or MAT 1440. </p>

[2] <p>EGG 1050 is an elective. Please see an advisor for other classes to meet graduation requirements. </p>

Associate of Engineering Science

Associate Of Engineering Science (AES)
Science, Technology, Engineering & Math Pathway

Colorado School of Mines Transfer
The Associate of Engineering Science degree in Engineering is designed for you to complete the first two years of a bachelors degree and transfer to Colorado School of Mines (CSM) for a bachelor degree in Engineering.

Course	Title	Credits
First Semester		
MAT 2410	Calculus I: GT-MA1	5
EGT 1110	IDEA: Introduction to Design and Engineering Applications	3
ENG 1031	Technical Writing I: GT-CO1	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
	Subtotal	**14**
Second Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
HIS 2015	20th Century World History: GT-HI1	3
PHI 2018	Environmental Ethics: GT-AH3	3
	Subtotal	**16**
Third Semester		
MAT 2431	Calculus III with Engineer Applications: GT-MA1	5
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
	Subtotal	**15**
Fourth Semester		
MAT 2562	Differential Equations with Linear Algebra	4
CHE 1112	General College Chemistry II with Lab: GT-SC1	5
CSC 1060	Computer Science I: (Language)	4
PED 9050- Physical Education		2
	Subtotal	**15**
	Total Credits	**60**

ASSOCIATE OF ENGINEERING SCIENCE (AES)- MECHANICAL
Colorado State University Transfer Track
The Associate of Engineering Science degree in Mechanical Engineering is designed for you to complete the first two years of a bachelors degree and transfer to Colorado State University (CSU) for a bachelor degree in Mechanical Engineering. As a mechanical engineer you work in areas such as manufacturing, transportation, and aerospace industries.

Course	Title	Credits
First Semester		
MAT 2410	Calculus I: GT-MA1	5
EGT 1110	IDEA: Introduction to Design and Engineering Applications	3
ENG 1031	Technical Writing I: GT-CO1	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
CAD 2455	SolidWorks/Mechanical	3
	Subtotal	**17**
Second Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
EGG 1060	Introduction to Engineering Computing	4
EGG 2011	Engr Mechanics I - Statics	3
	Subtotal	**17**
Third Semester		
MAT 2431	Calculus III with Engineer Applications: GT-MA1	5
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
EGG 2012	Engineering Mechanics II (Dynamics)	3
PHI 2018	Environmental Ethics: GT-AH3	3
	Subtotal	**16**
Fourth Semester		
MAT 2562	Differential Equations with Linear Algebra	4
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
EGG 1050	Engineering Data Analysis	1
EGG 1051	Experimental Design	2
ENG 1022	English Composition II: GT-CO2	3
	Subtotal	**15**
	Total Credits	**65**

ASSOCIATE OF ENGINEERING SCIENCE (AES)- MECHANICAL
University of Colorado Boulder TRANSFER TRACK
The Associate of Engineering Science degree in Mechanical Engineering is designed for you to complete the first two years of a bachelors degree and transfer to University of Colorado Boulder (CU) for a bachelor degree in Mechanical Engineering. As a mechanical engineer you work in areas such as manufacturing, transportation, and aerospace industries.

Course	Title	Credits
First Semester		
MAT 2410	Calculus I: GT-MA1	5
EGT 1110	IDEA: Introduction to Design and Engineering Applications	3
ENG 1031	Technical Writing I: GT-CO1	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
CAD 2455	SolidWorks/Mechanical	3
	Subtotal	**17**
Second Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
EGG 1060	Introduction to Engineering Computing	4
EGG 2011	Engr Mechanics I - Statics	3
	Subtotal	**17**
Third Semester		
MAT 2431	Calculus III with Engineer Applications: GT-MA1	5
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
EGG 2012	Engineering Mechanics II (Dynamics)	3

PHI 2018	Environmental Ethics: GT-AH3	3
	Subtotal	**16**
Fourth Semester		
MAT 2562	Differential Equations with Linear Algebra	4
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
EGG 2030	Mechanics of Solids	3
Choose One Course		3-4
CSC 1061	Computer Science II: (Language)	
PHY 2113	Physics III: Calculus Based Modern Physics	
	Subtotal	**15-16**
	Total Credits	**65-66**

ASSOCIATE OF ENGINEERING SCIENCE (AES)- Civil
UNIVERSITY OF COLORADO BOULDER TRANSFER TRACK

The Associate of Engineering Science degree in Civil Engineering is designed for you to complete the first two years of a bachelors degree and transfer to University of Colorado Boulder (CU) for a bachelor degree in Civil Engineering. As a civil engineer you work in areas such as structural design and construction, water management, and energy explorations.

Course	Title	Credits
First Semester		
MAT 2410	Calculus I: GT-MA1	5
EGT 1110	IDEA: Introduction to Design and Engineering Applications	3
ENG 1031	Technical Writing I: GT-CO1	3
ECO 2001	Principles of Macroeconomics: GT-SS1	3
CAD 2220	Revit Architecture	3
	Subtotal	**17**
Second Semester		
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
EGG 1060	Introduction to Engineering Computing	4
EGG 2011	Engr Mechanics I - Statics	3
	Subtotal	**17**
Third Semester		
MAT 2431	Calculus III with Engineer Applications: GT-MA1	5
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
EGG 2012	Engineering Mechanics II (Dynamics)	3
PHI 2018	Environmental Ethics: GT-AH3	3
	Subtotal	**16**
Fourth Semester		
MAT 2562	Differential Equations with Linear Algebra	4
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
EGG 2030	Mechanics of Solids	3
Choose One Course		3-4
GEY 1111	Physical Geology with Lab: GT-SC1	
EGG 2020	Thermodynamics	
	Subtotal	**15-16**
	Total Credits	**65-66**

Environmental Science

Associate of Science
Environmental Science
Science, Technology, Engineering & Math Pathway
CCD.edu/Environmental-Science

The Associate of Science degree in Environmental Science is designed for you to complete the first two years of a bachelor's degree and transfer to Metropolitan State University of Denver (MSUDenver) to complete a Bachelor of Science in Environmental Science. This degree prepares you to transfer as a junior to MSUDenver and to work in areas such as zoology, conservation, hydrology, and teaching. It also gives you a strong foundation for seeking an advanced degree in environmental law or environmental engineering.

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
ENV 1111	Environmental Science with Lab: GT-SC1	4
ENG 1021	English Composition I: GT-CO1	3
MAT 1260	Intro to Statistics: GT-MA1	3
	Subtotal	**13**
Second Semester		
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
BIO 1111	General College Biology I with Lab: GT-SC1	5
ENG 1022	English Composition II: GT-CO2	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH 4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1015	World Religions-West: GT-AH3	
THE 1005	Theatre Appreciation: GT-AH1	
	Subtotal	**16**
Third Semester		
CHE 1112	General College Chemistry II with Lab: GT-SC1	5
GEY 1111	Physical Geology with Lab: GT-SC1	4
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	
COM 2300	Intercultural Communication: GT-SS3	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
ECO 2002	Principles of Microeconomics: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
	Subtotal	**15**
Fourth Semester		
MAT 2410	Calculus I: GT-MA1	5
BIO 1112	Gen College Biology II with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1012	Ethics: GT-AH3	
PHI 1015	World Religions-West: GT-AH3	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
ART 1111	Art History Ancient to Medieval: GT-AH1	
Choose One History Course (GT-HI1)		3
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 2110	African American History: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
	Subtotal	**16**
	Total Credits	**60**

Geology

Associate of Science Degree
Science, Technology, Engineering & Math Pathway
CCD.edu/Geology

Geology Transfer Major
The Associate of Science degree with a designation in geology is a two-year program designed for you to graduate and transfer to a four-year institution to complete a bachelor's degree in geology or Earth science.

Geology is the study of the Earth, its rocks, and the ways they change over time. You will explore the movement of the earth's crust, the history of life on earth and past climates. Career paths for geology degree holders

include resource management, mining, oil and gas exploration, and climate research.

COURSE MAP

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
GEY 1111	Physical Geology with Lab: GT-SC1	4
ENG 1021	English Composition I: GT-CO1 [1]	3
MAT 2410	Calculus I: GT-MA1 [2]	5
	Subtotal	**15**
Second Semester		
GEY 1112	Historical Geology with Lab: GT-SC1	4
ENG 1022	English Composition II: GT-CO2 [1]	3
MAT 2420	Calculus II: GT-MA1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 1012	Ethics: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
	Subtotal	**15**
Third Semester		
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 1012	Ethics: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
	Subtotal	**16**
Fourth Semester		
CHE 1112	General College Chemistry II with Lab: GT-SC1	5
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
GEO 1005	World Regional Geography: GT-SS2	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
PSC 2020	Intro to Political Science: GT-SS1	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
JOU 1005	Introduction to Mass Media: GT-SS3	
Choose One Elective		1-3
ENV 1010	Natural Disasters: GT-SC2	
GEY 1034	Oil and Gas Geology	
ANT 1003	Introduction to Archaeology: GT-SS3	
GEO 1007	Physical Geography	
	Subtotal	**14-16**
	Total Credits	**60-62**

[1] You can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.
[2] Requires prerequisite coursework: MAT 1340 and MAT 1420. Please see your academic advisor for specific information.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Information Technology

Associate of Applied Science Degree
Science, Technology, Engineering & Math Pathway
CCD.edu/IT

- Information Technology
- Computer Information Systems
- Cybersecurity

Information Technology
The Associate of Applied Science in information technology (IT) prepares you to obtain entry-level positions in the IT industry. Upon completing this degree, you will qualify for the CompTIA A+ certification exams and gain experience in networking, computer security and database management. You will enhance your communication skills and obtain exposure to the business environment. You can additionally choose to specialize in a specific IT category by using the nine elective credits to focus on a particular area. Please speak to a faculty member or your academic advisor about this option.

PROGRAM ADMISSION REQUIREMENTS
Meet minimum assessment scores or prerequisites required for general education courses in the program.

Credit Transfer Limitations
To ensure success in the program, courses transferred into the computer information systems or the information technology degree/certificate options or previously taken at CCD should have the following time limits:

Application courses – 5 years
Programming courses – 5 years
Networking courses – 5 years
Certification courses – 3 years
General education courses – 10 years
Business courses – 10 years

If you are transferring to CCD with current industry experience, the time limit for applicable courses may be waived upon approval of the program chair.

COURSE MAP

Course	Title	Credits
First Semester		
BUS 1015	Introduction to Business	3
CIS 1018	Introduction to PC Applications	3
BUS 2017	Business Communication and Report Writing	3
MAT 1320	Finite Mathematics: GT-MA1	4
ENG 1031	Technical Writing I: GT-CO1	3
	Subtotal	**16**
Second Semester		
COM 1150	Public Speaking	3
CNG 1024	Networking I: Network +	3
CNG 1025	Networking II: Network +	3
CIS 2040	Database Design and Development	3
MAR 1060	Customer Service	3
	Subtotal	**15**
Third Semester		
CIS 1024	Introduction to Operating Systems	3
CIS 2067	Management of Information Systems	3
PSY 1001	General Psychology I: GT-SS3	3
Choose One Course		3-4
CNG 1016	Microcomputer Hardware	
CNG 1021	Computer Technician I: A+	
Choose One Course		4

CNG 1020	A+ Certification Preparation	
CNG 1022	Computer Technician II: A+	
	Subtotal	**16-17**
Fourth Semester		
CSC 1019	Introduction to Programming	3
CNG 1031	Principles of Information Assurance	3
CNG 1032	Network Security Fundamentals	3
ACC 1021	Accounting Principles I	4
	Subtotal	**13**
	Total Credits	**60-61**

COMPUTER INFORMATION SYSTEMS

This Associate of Applied Science degree prepares you to obtain entry-level employment in the computer information systems (CIS) industry. The program prepares you both to be current in industry computer information standards and also to have the business foundation necessary to compete in the workforce.

This degree transfers to Metropolitan State University of Denver's Bachelor of Science degree in computer information systems.

CREDIT TRANSFER LIMITATIONS

To ensure success in the program, courses transferred into the computer information systems or the information technology degree/certificate options or previously taken at CCD should have the following time limits:

- Application courses – 5 years
- Programming courses – 5 years
- Networking courses – 5 years
- Certification courses – 3 years
- General education courses – 10 years
- Business courses – 10 years

If you have current industry experience and plan to transfer, the time limit for applicable courses may be waived upon approval of the program chair.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
ECO 2001	Principles of Macroeconomics: GT-SS1 [1]	3
CIS 1018	Introduction to PC Applications	3
BUS 1015	Introduction to Business	3
Choose One Mathematics Course		4
MAT 1340	College Algebra: GT-MA1	
MAT 1320	Finite Mathematics: GT-MA1	
	Subtotal	**16**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
ECO 2002	Principles of Microeconomics: GT-SS1	3
ACC 1021	Accounting Principles I	4
CIS 2067	Management of Information Systems	3
Choose One Art Course		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
	Subtotal	**16**
Third Semester		
MAR 2016	Principles of Marketing	3
COM 1150	Public Speaking	3
CNG 1024	Networking I: Network +	3
Choose One Course		3-4
CNG 1016	Microcomputer Hardware	
CNG 1021	Computer Technician I: A+	
Choose One Course		4
MAT 1400	Survey of Calculus: GT-MA1	
ACC 1022	Accounting Principles II	
	Subtotal	**16-17**

Fourth Semester		
CNG 1025	Networking II: Network +	3
CSC 1019	Introduction to Programming	3
BUS 2016	Legal Environment of Business	3
BUS 2017	Business Communication and Report Writing	3
	Subtotal	**12**
	Total Credits	**60-61**

CYBERSECURITY

The Cybersecurity AAS degree program at Community College of Denver is designed to prepare students for a rewarding career in Cybersecurity. Network and security professionals are in high demand to protect every industry from the threat of cyber criminals who are actively conducting attacks on networks, applications, hardware, and software utilizing both electronic and physical means. The Community College of Denver provides a robust AAS degree to help realize students goals in becoming a Cybersecurity professional.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
CRJ 1010	Introduction to Criminal Justice: GT-SS3	3
CIS 1018	Introduction to PC Applications	3
COM 1150	Public Speaking	3
Choose One Mathematics Course		4
MAT 1340	College Algebra: GT-MA1	
MAT 1320	Finite Mathematics: GT-MA1	
	Subtotal	**16**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
BIO 1005	Science of Biology with Lab: GT-SC1	4
PSM 2004	Terrorism, Intelligence, and Justice	3
CIS 2067	Management of Information Systems	3
Choose One History and Global Diversity Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2610	History of Modern China: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
	Subtotal	**16**
Third Semester		
CNG 1031	Principles of Information Assurance	3
CNG 1032	Network Security Fundamentals	3
CSC 1060	Computer Science I: (Language)	4
CRJ 1027	Crime Scene Investigation	3
Choose One Course		3
ANT 2115	Native Peoples of North America: GT-SS3	
ETH 2000	Introduction to Ethnic Studies: GT-SS3	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
MUS 1025	History of Jazz: GT-AH1	
	Subtotal	**16**
Fourth Semester		
PSY 1001	General Psychology I: GT-SS3	3
PSY 1002	General Psychology II: GT-SS3	3
Choose One Geology or Astronomy course		4
GEY 1111	Physical Geology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
AST 1120	Astronomy II with Lab: GT-SC1	
Choose One Multicultural Course		3
ANT 2115	Native Peoples of North America: GT-SS3	
COM 2300	Intercultural Communication: GT-SS3	

ETH 2000	Introduction to Ethnic Studies: GT-SS3	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
MUS 1025	History of Jazz: GT-AH1	
	Subtotal	**13**
	Total Credits	**61**

Associate of Science

Science, Technology, Engineering & Math Pathway
CCD.edu/IT

COMPUTER SCIENCE TRANSFER MAJOR

This program provides a foundation in algorithm development, programming techniques, data
structures, and structured problem solving. This AS degree is designed to transfer to any Colorado public, bachelor's degree awarding institution that offers a degree in Computer Science.

COURSE MAP

First Semester		Credits
MAT 2410	Calculus I: GT-MA1	5
ENG 1021	English Composition I: GT-CO1	3
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
PHI 2018	Environmental Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3	
ART 1111	Art History Ancient to Medieval: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
PHI 1011	Intro to Philosophy: GT-AH3	
Choose One History Course (GT-HI1)		3
HIS 2015	20th Century World History: GT-HI1	
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
	Subtotal	**14**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
CSC 1060	Computer Science I: (Language)	4
MAT 2420	Calculus II: GT-MA1	5
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS4)		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1	
GEO 1005	World Regional Geography: GT-SS2	
GEO 1006	Human Geography: GT-SS2	
PSC 2020	Intro to Political Science: GT-SS1	
PSC 2005	International Relations: GT-SS1	
	Subtotal	**15**
Third Semester		
CSC 1061	Computer Science II: (Language)	4
Choose One Natural Science Course (GT-SC1~GTSC2)		5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	
BIO 1111	General College Biology I with Lab: GT-SC1	
CHE 1111	General College Chemistry I with Lab: GT-SC1	
Choose One Course (Depending on Transfer Institution)		4
CSC 1065	Discrete Structures	
MAT 2430	Calculus III: GT-MA1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
PHI 2018	Environmental Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3	
ART 1111	Art History Ancient to Medieval: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
PHI 1011	Intro to Philosophy: GT-AH3	
	Subtotal	**16**

Fourth Semester		
CSC 2025	Computer Architecture/Assembly Language Programming	4
Please Choose One Course (Depending on Transfer Institution)		3-5
CHE 1111	General College Chemistry I with Lab: GT-SC1	
CSC 2034	C++ Programming	
MAT 2540	Linear Algebra	
Choose One Natural Science Course (GT-SC1~GT-SC2)		5
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	
BIO 1112	Gen College Biology II with Lab: GT-SC1	
CHE 1112	General College Chemistry II with Lab: GT-SC1	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS4)		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1	
GEO 1005	World Regional Geography: GT-SS2	
GEO 1006	Human Geography: GT-SS2	
PSC 2020	Intro to Political Science: GT-SS1	
PSC 2005	International Relations: GT-SS1	
	Subtotal	**15-17**
	Total Credits	**60-62**

Certificates

Science, Technology, Engineering & Math Pathway
CCD.edu/IT

Community College of Denver currently offers five certificates in information technology.

- Cybersecurity
- Computer Technology
- Computer Service & Support
- Data Analytics
- Healthcare
- Network Security

CYBERSECURITY

Upon completing this certificate, you will be prepared for the Network+ and Security+ certification exams. In this program, you will obtain the skills necessary to work in an entry-level position in information security and computer networking. Emphasis is placed on networking security skills and the interplay of ethics and law within the Information Technology (IT) field.

COURSE MAP

Course	Title	Credits
First Semester		
CIS 1018	Introduction to PC Applications	3
PHI 2005	Business Ethics: GT-AH3	3
PSM 2004	Terrorism, Intelligence, and Justice	3
	Subtotal	**9**
Second Semester		
CNG 1024	Networking I: Network +	3
CNG 1025	Networking II: Network +	3
CRJ 1010	Introduction to Criminal Justice: GT-SS3	3
	Subtotal	**9**
Third Semester		
CNG 1031	Principles of Information Assurance	3
CNG 1032	Network Security Fundamentals	3
	Subtotal	**6**
Fourth Semester		
CNG 2056	Vulnerability Assessment I	3
CNG 2057	Network Defense and Counter Measures	3
	Subtotal	**6**
	Total Credits	**30**

COMPUTER TECHNOLOGY

This certificate prepares you for employment as a computer technician. Upon completing this certificate, you will be prepared to take the CompTIA A+ certification examinations.

COURSE MAP

Course	Title	Credits
First Semester		
CIS 1018	Introduction to PC Applications	3
Choose One Course		3-4
CNG 1016	Microcomputer Hardware	
CNG 1021	Computer Technician I: A+	
Choose One Course		4
CNG 1020	A+ Certification Preparation	
CNG 1022	Computer Technician II: A+	
	Subtotal	**10-11**
Second Semester		
CNG 1024	Networking I: Network +	3
CNG 1025	Networking II: Network +	3
	Subtotal	**6**
	Total Credits	**16-17**

COMPUTER SERVICE & SUPPORT

This certificate prepares you to obtain entry-level positions in the IT industry. Upon completing this degree, you will qualify for the CompTIA A + certification exams and gain experience in networking, computer security and database management. Additionally, you can choose to specialize in a specific IT category by using the nine elective credits to focus on a particular area. Please speak to a faculty member or your academic advisor about this option.

COURSE MAP

Course	Title	Credits
First Semester		
CIS 1018	Introduction to PC Applications	3
CNG 1024	Networking I: Network +	3
CNG 1025	Networking II: Network +	3
	Subtotal	**9**
Second Semester		
CIS 2040	Database Design and Development	3
CIS 2067	Management of Information Systems	3
	Subtotal	**6**
Third Semester		
CIS 1024	Introduction to Operating Systems	3
CNG 2011	Windows Configuration: (OS)	3
Choose One Course		3-4
CNG 1016	Microcomputer Hardware	
CNG 1021	Computer Technician I: A+	
Choose One Course		4
CNG 1020	A+ Certification Preparation	
CNG 1022	Computer Technician II: A+	
	Subtotal	**13-14**
	Total Credits	**28-29**

DATA ANALYTICS

This certificate opens the door for you to have an opportunity to be a part of work force in the area of data analytics. Established business managers and supervisors can use this certificate to expand their knowledge base of where data comes from, how it is organized and how they can use it. There are many advantages for all students, not just CIS or business students, in completing this certificate.

COURSE MAP

Course	Title	Credits
First Semester		
CIS 1018	Introduction to PC Applications	3

MAT 1260	Intro to Statistics: GT-MA1	3
	Subtotal	**6**
Second Semester		
CIS 1055	PC Spreadsheet Concepts: Excel	3
CIS 2040	Database Design and Development	3
CSC 1019	Introduction to Programming	3
	Subtotal	**9**
Third Semester		
CIS 1059	Microsoft Office Specialist Certification Prep: Excel	1
Choose One Course		3
CIS 2067	Management of Information Systems	
CSC 2017	Advanced Python Programming	
	Subtotal	**4**
	Total Credits	**19**

Healthcare

This program prepares you as help desk support in an entry-level healthcare environment. Upon completing this certificate, you will be prepared for the CompTIA A+ certification examinations and the CompTIA Network+ certification examinations and the Certified Healthcare Technology Specialist (CHTS) certification.

COURSE MAP

Course	Title	Credits
First Semester		
CIS 1018	Introduction to PC Applications	3
HPR 1039	Medical Terminology	2
MAP 1010	Medical Office Administration	4
	Subtotal	**9**
Second Semester		
CNG 1024	Networking I: Network +	3
CNG 1025	Networking II: Network +	3
CNG 2089	Capstone	3
Choose One Course		3-4
CNG 1016	Microcomputer Hardware	
CNG 1021	Computer Technician I: A+	
Choose One Course		4
CNG 1020	A+ Certification Preparation	
CNG 1022	Computer Technician II: A+	
	Subtotal	**16-17**
	Total Credits	**25-26**

Network Security

This program prepares you to be entry-level network security specialists. You will be trained in state-of-the-art security practices that will provide you with the skills necessary to maintain a network and protect the network from internal and external security threats. Upon completing this certificate, you will be prepared for the CompTIA Network+ and the CompTIA Security+ certification examinations.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education courses in the program.

COURSE MAP

Course	Title	Credits
First Semester		
CIS 1018	Introduction to PC Applications	3
CNG 1024	Networking I: Network +	3
CNG 1025	Networking II: Network +	3
Choose One Course		3-4
CNG 1016	Microcomputer Hardware	
CNG 1021	Computer Technician I: A+	
	Subtotal	**12-13**
Second Semester		
CNG 1031	Principles of Information Assurance	3
CNG 1032	Network Security Fundamentals	3

CNG 2009	MS Server Active Directory Configuration	4
CNG 2011	Windows Configuration: (OS)	3
	Subtotal	**13**
	Total Credits	**25-26**

Mathematics

Associate of Science Degree
Science, Technology, Engineering & Math Pathway
CCD.edu/Math

Mathematics Transfer Major
The Associate of Science degree with a designation in mathematics is a two-year program designed for you to graduate and transfer to a four-year institution to complete a bachelor's degree in mathematics. You will explore calculus and computer/engineering applications. Mathematics is more than the study of counting and measurement, it includes the study of shapes and motion. Mathematicians look for patterns and use them to design new theories, new models and even predictions about nature. Career paths in mathematics include finance, engineering, computer science, coding, accounting, statistics and research.

COURSE MAP

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
MAT 2410	Calculus I: GT-MA1 [2]	5
ENG 1021	English Composition I: GT-CO1 [1]	3
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	
	Subtotal	**14**
Second Semester		
MAT 2420	Calculus II: GT-MA1	5
ENG 1022	English Composition II: GT-CO2	3
Choose One History Course (GT-HI1)		3
HIS 2005	Women in World History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 2610	History of Modern China: GT-HI1	
HIS 2300	The Middle Ages: GT-HI1	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
ART 1110	Art Appreciation: GT-AH1	
	Subtotal	**14**
Third Semester		
MAT 2431	Calculus III with Engineer Applications: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
ART 1110	Art Appreciation: GT-AH1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 1001	Cultural Anthropology: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	

Course	Title	Credits
PSY 2222	Psychology of Death and Dying: GT-SS3	
	Subtotal	**16**
Fourth Semester		
CSC 1060	Computer Science I: (Language) [3]	4
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
ART 1110	Art Appreciation: GT-AH1	
Choose One Elective		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
	Subtotal	**16**
	Total Credits	**60**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.
[2] Requires prerequisite coursework: MAT 1340 and MAT 1420; see an academic advisor for specific information.
[3] Colorado State University (CSU) requires a different Computer Science course. If you are planning to transfer to CSU please contact them for further information.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Physics

Associate of Science Degree
Science, Technology, Engineering & Math Pathway
CCD.edu/Physics

Physics Transfer Major
The Associate of Science degree with a designation in physics is a two-year program designed for you to graduate and transfer to a four-year institution to complete a Bachelor of Arts or a Bachelor of Science degree in physics.

In this field of science, you will learn the laws of physics, which govern everything in the universe from small bits of matter to the largest star. In addition, you will explore chemistry and calculus. Physics is a prerequisite to any in-depth study of the sciences and technologies and it leads to careers in a variety of industries.

COURSE MAP

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
ENG 1021	English Composition I: GT-CO1 [1]	3
MAT 2410	Calculus I: GT-MA1 [2]	5
	Subtotal	**16**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [1]	3
MAT 2420	Calculus II: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One Elective		4-5
CHE 1112	General College Chemistry II with Lab: GT-SC1 [3,5]	
CSC 1060	Computer Science I: (Language) [4,5]	
	Subtotal	**17-18**

Third Semester

Course	Title	Credits
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Mathematics Course		4-5
MAT 2430	Calculus III: GT-MA1	
MAT 2431	Calculus III with Engineer Applications: GT-MA1 [4]	
Choose Two Arts & Humanities Courses (GT-AH1~GT-AH4)		6
ART 1110	Art Appreciation: GT-AH1	
ART 1111	Art History Ancient to Medieval: GT-AH1	
HUM 1021	Humanities: Early Civilization: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
MUS 1020	Music Appreciation: GT-AH1	
PHI 1013	Logic: GT-AH3	
	Subtotal	**15-16**
Fourth Semester		
PHY 2113	Physics III: Calculus Based Modern Physics	3
Choose One Mathematics Elective		3-4
MAT 2560	Differential Equations: GT-MA1	
MAT 2562	Differential Equations with Linear Algebra	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
ART 1111	Art History Ancient to Medieval: GT-AH1	
HUM 1021	Humanities: Early Civilization: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
MUS 1020	Music Appreciation: GT-AH1	
PHI 1013	Logic: GT-AH3	
Choose One History Course (GT-HI1)		3
HIS 2015	20th Century World History: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1220	U.S. History Since the Civil War: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
	Subtotal	**12-13**
	Total Credits	**60-63**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.
[2] Requires prerequisite coursework: MAT 1340 and MAT 1420. See an academic advisor for specific information.
[3] Students planning to transfer to University of Colorado Boulder must take CHE 1112
[4] Students planning to transfer to University of Northern Colorado must take CSC 1060.
[5] Fort Lewis College and University of Colorado, Colorado Springs requires you take both CSC 1060 and CHE 1112.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Public Safety & Legal Services Pathway

The Public Safety and Legal Services pathway offers the education and the training necessary for students to pursue a broad variety of careers in state and local government as well as numerous careers in community and private services. In this pathway, students are engaged in instructional programs that integrates academic and technical training in a number of fields including criminal justice, homeland security, law enforcement, human services, and paralegal.

Program Name	Degree Type
CRIMINAL JUSTICE PROGRAM	
- Criminal Justice Transfer Major	Associate of Arts[1]
- Criminal Justice	Associate of Applied Science
- Homeland Security	Certificate
- Law Enforcement	Certificate
PARALEGAL PROGRAM	
- Paralegal	Associate of Applied Science
- Paralegal Transfer	Associate of Applied Science
- General Paralegal	Certificate

[1] Denotes a "Transfer Major" that has a statewide transfer degree plan or a statewide transfer articulation program in place and is fully transferable in its entirety into any Colorado public four-year program. Transfer Majors are awarded with a specific program designation major on the transcript. See an academic advisor for more information.

Criminal Justice

Associate of Arts Degree
Public Safety & Legal Services Pathway
CCD.edu/Criminal-Justice

Criminal Justice Transfer Major
The Associate of Arts in criminal justice is designed for you to complete the first two years of a bachelor's degree at CCD and transfer to a university to complete a criminal justice Bachelor of Arts or Bachelor of Science degree.

In this program, criminal justice, policing and correction systems are explored. Studying criminal justice gives us a better understanding of the three main parts of the criminal justice system: law enforcement, the judicial system and corrections. This program focuses closely on criminal behavior, criminal law and constitutional law. Criminal justice requires a willingness to be understanding of different cultures. This program introduces you to the study of criminal justice and includes courses that are common to all Colorado four-year institutions.

Some careers require a bachelor's degree. Career paths for criminal justice degree holders lead to a variety of federal, state and local criminal justice agencies. These include correctional institutions, juvenile corrections, and treatment facilities, law enforcement agencies, courts, private security and investigation work. The Associate of Arts degree in criminal justice prepares you to complete the second half of a Bachelor of Arts in criminal justice at a four-year university.

COURSE MAP

Course	Title	Credits
First Semester		
CRJ 1010	Introduction to Criminal Justice: GT-SS3	3
ENG 1021	English Composition I: GT-CO1 [1]	3
MAT 1260	Intro to Statistics: GT-MA1 [2]	3
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	
Choose One Arts & Humanities Course (GT-AH1~AH4) [3]		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
ART 1110	Art Appreciation: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
	Subtotal	**15**
Second Semester		
CRJ 1025	Policing Systems	3
CRJ 1045	Correctional Process	3
ENG 1022	English Composition II: GT-CO2 [1]	3
SOC 1001	Introduction to Sociology I: GT-SS3	3
PSC 1011	American Government: GT-SS1	3
CRJ 2080	Internship	1
	Subtotal	**16**
Third Semester		
CRJ 1027	Crime Scene Investigation	3

CRJ 2005	Principles of Criminal Law	3
BIO 1005	Science of Biology with Lab: GT-SC1	4
Choose One Elective		3
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
Choose One Arts & Humanities course (GT-AH1~GT-AH4) [3]		3
PHI 1012	Ethics: GT-AH3	
PHI 1011	Intro to Philosophy: GT-AH3	
HUM 1021	Humanities: Early Civilization: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
	Subtotal	**16**
Fourth Semester		
GEY 1111	Physical Geology with Lab: GT-SC1	4
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
Choose One Social & Behavioral Sciences (GT-SS3)		3
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
PSY 2107	Human Sexuality: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
Choose One Elective		3
PSC 1025	American State and Local Government: GT-SS1	
PSY 2107	Human Sexuality: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
	Subtotal	**13**
	Total Credits	**60**

[1] Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.
[2] One GT Pathways course (GT-MA1), prefer MAT 1260: Introduction to Statistics, except: Colorado Mesa University requires either MAT 1240: Mathematics for the Liberal Arts or MAT 1340: College Algebra; University of Northern Colorado requires MAT 1260: Introduction to Statistics.
[3] Must be from two different categories. (GT-AH1~GT-AH4)
[4] One course must be lab-based (GT-SC1).

NOTE: Additional CRJ courses beyond the courses identified above may not count toward the criminal justice major at the receiving four-year institution. Meet with your academic advisor for more information.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.

Associate of Applied Science Degree
Public Safety & Legal Services Pathway
CCD.edu/Criminal-Justice

Criminal Justice
This Associate of Applied Science degree prepares you for the critical work in community corrections. These courses may be accepted, on an individual basis, when pursuing a bachelor's degree in criminal justice in preparation for a career in law enforcement, corrections, and probation and parole environments.

COURSE MAP

Course	Title	Credits
First Semester		
CRJ 1010	Introduction to Criminal Justice: GT-SS3	3
MAT 1140	Career Math	3
BIO 1016	Introduction to Human Disease: GT-SC2	3
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
HUM 1021	Humanities: Early Civilization: GT-AH2	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
HUM 1022	Humanities: Medieval-Modern: GT-AH2	
PHI 1012	Ethics: GT-AH3	
HUM 1015	World Mythology: GT-AH2	
HUM 1003	Introduction to Film Art: GT-AH2	
Choose One English Course		3
ENG 1021	English Composition I: GT-CO1	
ENG 1022	English Composition II: GT-CO2	
ENG 2001	English Composition III: GT-CO3	
	Subtotal	**15**
Second Semester		
CRJ 1025	Policing Systems	3
CRJ 1045	Correctional Process	3
CRJ 2005	Principles of Criminal Law	3
CRJ 2036	CRJ Research Methods	3
Choose One Sociology Course		3
SOC 2015	Contemporary Social Problems: GT-SS3	
SOC 2005	Sociology of Family Dynamics: GT-SS3	
SOC 2018	Sociology of Diversity: GT-SS3	
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
SOC 2037	Sociology of Death and Dying: GT-SS3	
	Subtotal	**15**
Third Semester		
CRJ 1027	Crime Scene Investigation	3
CRJ 1035	Judicial Function	3
CRJ 2010	Constitutional Law	3
CRJ 2030	Criminology	3
CRJ 2031	Introduction to Forensic Science and Criminalistics	3
Choose One Elective		3
PSC 2020	Intro to Political Science: GT-SS1	
SOC 2031	Sociology of Deviant Behavior: GT-SS3	
PAR 1115	Introduction to Law	
PSM 1005	Crime and Forensics	
PSM 1032	Homeland Defense: Forecasting Terrorism	
PSM 2021	Forensic Computer Analysis: Computer Forensics I	
	Subtotal	**18**
Fourth Semester		
CRJ 2057	Victimology	3
CRJ 2009	Criminal Investigation I	3
PSM 1010	School Violence	3
PSM 1004	Introduction to Emergency Management	3
PSM 2004	Terrorism, Intelligence, and Justice	3
Choose One Elective		3
PSM 1033	Homeland Security: Chemical and Biological Defense	
PSM 2022	Forensic Computer Analysis: Computer Forensics II	
CSO 2000	Cannabis Laws, Regulations, and Compliance	
PSY 2770	Introduction Forensic Psychology	
HSE 1006	Survey of Human Services	
	Subtotal	**18**
	Total Credits	**66**

Certificate
Public Safety & Legal Services Pathway
CCD.edu/Criminal-Justice

Homeland Security
The homeland security certificate prepares you for positions in policing with an emphasis in homeland security. The certificate features an integration of current practices and technologies used by first responders and the government to protect the public against safety threats. The certificate is fully transferable to the criminal justice A.A.S. degree.

COURSE MAP

Course	Title	Credits
First Semester		
CRJ 1010	Introduction to Criminal Justice: GT-SS3	3
CRJ 1025	Policing Systems	3
CRJ 1045	Correctional Process	3
CRJ 2005	Principles of Criminal Law	3
CRJ 2036	CRJ Research Methods	3
	Subtotal	**15**
Second Semester		
Choose One Elective		3
CRJ 1027	Crime Scene Investigation	
CRJ 1035	Judicial Function	
CRJ 2030	Criminology	
CRJ 2031	Introduction to Forensic Science and Criminalistics	
CRJ 2057	Victimology	
PSM 2004	Terrorism, Intelligence, and Justice	
Choose One Elective		3
CRJ 1027	Crime Scene Investigation	
CRJ 1035	Judicial Function	
CRJ 2030	Criminology	
CRJ 2031	Introduction to Forensic Science and Criminalistics	
CRJ 2057	Victimology	
PSM 2004	Terrorism, Intelligence, and Justice	
Choose One Elective		3
CRJ 2030	Criminology	
CRJ 1035	Judicial Function	
CRJ 2057	Victimology	
CRJ 1027	Crime Scene Investigation	
CRJ 2031	Introduction to Forensic Science and Criminalistics	
PSM 2004	Terrorism, Intelligence, and Justice	
Choose One Elective		3
CRJ 2030	Criminology	
CRJ 1035	Judicial Function	
CRJ 2057	Victimology	
CRJ 1027	Crime Scene Investigation	
CRJ 2031	Introduction to Forensic Science and Criminalistics	
PSM 2004	Terrorism, Intelligence, and Justice	
Choose One Elective		3
CRJ 2030	Criminology	
CRJ 1035	Judicial Function	
CRJ 2057	Victimology	
CRJ 1027	Crime Scene Investigation	
CRJ 2031	Introduction to Forensic Science and Criminalistics	
PSM 2004	Terrorism, Intelligence, and Justice	
	Subtotal	**15**
	Total Credits	**30**

Law Enforcement

The Law enforcement certificate prepares you for positions in policing with an emphasis in homeland security. The certificate features an integration of current practices and technologies used by first responders and the government to protect the public against safety threats. The certificate is fully transferable to to the criminal justice A.A.S degree.

Course	Title	Credits
First Semester		
CRJ 1010	Introduction to Criminal Justice: GT-SS3	3
COM 1150	Public Speaking	3
CRJ 1025	Policing Systems	3
CRJ 1045	Correctional Process	3
CRJ 2005	Principles of Criminal Law	3

Course	Title	Credits
CRJ 1027	Crime Scene Investigation	3
	Subtotal	**18**
	Total Credits	**18**

Paralegal

Associate of Applied Science

Public Safety & Legal Services Pathway
CCD.edu/Paralegal

Community College of Denver currently offers two Associate of Applied Science degrees in paralegal.

- Paralegal
- Paralegal Transfer
- Paralegal Transfer- Criminal Justice and Public Affairs
- Paralegal Transfer- Public Administration

Paralegal

The Associate of Applied Science in paralegal prepares you for entry into the paralegal field or to transfer into a 4 year degree. Emphasis is placed on practical skills such as interviewing, research and document drafting.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education courses in the program.

COURSE MAP

Course	Title	Credits
First Semester		
COM 1150	Public Speaking	3
PAR 1115	Introduction to Law	3
PAR 2201	Civil Litigation	3
MAT 1260	Intro to Statistics: GT-MA1	3
ENG 1021	English Composition I: GT-CO1	3
	Subtotal	**15**
Second Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
ENG 1022	English Composition II: GT-CO2	3
PAR 2202	Evidence	3
PAR 2211	Legal Research	3
Choose One Elective		3
PAR 2205	Criminal Law	
PAR 2216	Employment Law	
PAR 2208	Probate and Estates	
PAR 2210	Sexual Orientation, Gender Identity, and The Law	
PAR 2218	Bankruptcy Law	
PAR 2220	Cannabis Law	
	Subtotal	**15**
Third Semester		
PAR 2209	Constitutional Law	3
PAR 2212	Legal Writing	3
Choose One Elective		3
PAR 1116	Torts	
PAR 1117	Family Law	
PAR 1118	Contracts	
PAR 1125	Property Law	
PAR 1126	Administrative Law	
CIS 1035	Complete PC Word Processing: Word	
Choose One Elective		3
PAR 2205	Criminal Law	
PAR 2206	Business Organization Law	
PAR 2208	Probate and Estates	
PAR 2210	Sexual Orientation, Gender Identity, and The Law	
PAR 2217	Environmental Law	
PAR 2216	Employment Law	

Course	Title	Credits
Choose One Elective		3
PAR 1116	Torts	
PAR 1117	Family Law	
PAR 1118	Contracts	
PAR 1125	Property Law	
PAR 1126	Administrative Law	
CIS 1018	Introduction to PC Applications	
	Subtotal	**15**
Fourth Semester		
PAR 2080	Internship	3
PAR 2089	Capstone	3
Choose One Elective		3
PAR 1116	Torts	
PAR 1117	Family Law	
PAR 1118	Contracts	
PAR 1125	Property Law	
PAR 1126	Administrative Law	
CIS 1018	Introduction to PC Applications	
Choose One Elective		3
PAR 2205	Criminal Law	
PAR 2206	Business Organization Law	
PAR 2208	Probate and Estates	
PAR 2210	Sexual Orientation, Gender Identity, and The Law	
PAR 2217	Environmental Law	
CIS 1035	Complete PC Word Processing: Word	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
THE 1005	Theatre Appreciation: GT-AH1	
HUM 1021	Humanities: Early Civilization: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
LIT 1015	Introduction to Literature I: GT-AH2	
	Subtotal	**15**
	Total Credits	**60**

Paralegal Transfer

The Associate of Applied Science (A.A.S.) in paralegal transfer degree is an agreement between CCD and the University of Colorado Denver. The following courses are all required. Once you complete these degree requirements, you will have completed your lower-division general education requirements and will be eligible to transfer to the University of Colorado Denver as a junior in sociology or political science in the College of Liberal Arts and Sciences or as a criminal justice major in the School of Public Affairs.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education and paralegal courses in the program.

COURSE MAP

Course	Title	Credits
First Semester		
PAR 1115	Introduction to Law	3
COM 1150	Public Speaking	3
ENG 1021	English Composition I: GT-CO1	3
MAT 1260	Intro to Statistics: GT-MA1	3
PHI 1012	Ethics: GT-AH3	3
	Subtotal	**15**
Second Semester		
PAR 2201	Civil Litigation	3
PAR 2202	Evidence	3
ENG 1022	English Composition II: GT-CO2	3
SOC 1002	Introduction to Sociology II: GT-SS3	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSC 2020	Intro to Political Science: GT-SS1	
SOC 1001	Introduction to Sociology I: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
	Subtotal	**15**
Third Semester		
PAR 2211	Legal Research	3
Choose One Elective		3
PAR 1116	Torts	
PAR 1117	Family Law	
PAR 1118	Contracts	
PAR 1125	Property Law	
PAR 2216	Employment Law	
CIS 1035	Complete PC Word Processing: Word	
Choose One Elective		3
PAR 2205	Criminal Law	
PAR 2206	Business Organization Law	
PAR 2210	Sexual Orientation, Gender Identity, and The Law	
PAR 2227	Immigration Law	
PAR 2218	Bankruptcy Law	
PAR 2220	Cannabis Law	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
MUS 1020	Music Appreciation: GT-AH1	
THE 1005	Theatre Appreciation: GT-AH1	
HUM 1021	Humanities: Early Civilization: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
LIT 1015	Introduction to Literature I: GT-AH2	
	Subtotal	**16**
Fourth Semester		
PAR 2209	Constitutional Law	3
PAR 2212	Legal Writing	3
Choose One Paralegal Course		3
PAR 1116	Torts	
PAR 1117	Family Law	
PAR 2205	Criminal Law	
PAR 2216	Employment Law	
PAR 2208	Probate and Estates	
PAR 2217	Environmental Law	
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 1220	U.S. History Since the Civil War: GT-HI1	
HIS 2145	US History Since 1945: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1~GTSC2))		3
AST 1120	Astronomy II with Lab: GT-SC1	
AST 1140	Astronomy of Ancient Cultures: GT-SC2	
GEY 1112	Historical Geology with Lab: GT-SC1	
GEY 1108	Geology of National Parks GT-SC2	
BIO 1016	Introduction to Human Disease: GT-SC2	
BIO 1003	Principles of Animal Biology: GT-SC2	
	Subtotal	**15**
Fifth Semester		
PAR 2080	Internship	3

PAR 2089	Capstone	3
	Subtotal	**6**
	Total Credits	**67**

BIO 1003	Principles of Animal Biology: GT-SC2	
	Subtotal	**15**
	Total Credits	**61**

Paralegal AAS Transfer to UCD Criminal Justice and Public Affairs

If you're considering a career in law or criminal justice, take a look at this program offering a smooth transition from Community College of Denver's Paralegal Transfer Associate of Applied Science program to University of Colorado, Denver's Bachelor of Arts in Criminal Justice program. This agreement provides support for students enrolled in the Denver Direct Pathways (DDP) who are nearing graduation or already preparing for it. It presents an excellent opportunity to pursue your academic aspirations seamlessly.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education and paralegal courses in the program.

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
PAR 1115	Introduction to Law	3
SOC 1002	Introduction to Sociology II: GT-SS3	3
MAT 1260	Intro to Statistics: GT-MA1	3
PHI 1012	Ethics: GT-AH3	3
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
PAR 2201	Civil Litigation	3
PAR 2202	Evidence	3
PAR 2211	Legal Research	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
	Subtotal	**16**
Third Semester		
PAR 2209	Constitutional Law	3
PAR 2212	Legal Writing	3
HIS 2015	20th Century World History: GT-HI1	3
CRJ 1010	Introduction to Criminal Justice: GT-SS3	3
CRJ 2030	Criminology	3
	Subtotal	**15**
Fourth Semester		
PAR 2080	Internship	3
PAR 2089	Capstone	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
COM 2300	Intercultural Communication: GT-SS3	
HIS 2015	20th Century World History: GT-HI1	
HUM 1015	World Mythology: GT-AH2	
PHI 1012	Ethics: GT-AH3	
LIT 1015	Introduction to Literature I: GT-AH2	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
COM 2300	Intercultural Communication: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
HUM 1015	World Mythology: GT-AH2	
PHI 1014	Comparative Religions: GT-AH3	
HIS 2005	Women in World History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC2)		3
BIO 1016	Introduction to Human Disease: GT-SC2	

PARALEGAL AAS TRANSFER TO UCD PUBLIC ADMINISTRATION

If you're considering a career in public administration, take a look at this program offering a smooth transition from Community College of Denver's Paralegal Transfer Associate to the University of Colorado Denver's Bachelor of Arts in Public Administration. This agreement provides support for students enrolled in the Denver Direct Pathways (DDP) who are nearing graduation or already preparing for it. It presents an excellent opportunity to pursue your academic aspirations seamlessly.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education and paralegal courses in the program.

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
PAR 1115	Introduction to Law	3
SOC 1002	Introduction to Sociology II: GT-SS3	3
MAT 1260	Intro to Statistics: GT-MA1	3
PHI 1012	Ethics: GT-AH3	3
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2	3
PAR 2201	Civil Litigation	3
PAR 2202	Evidence	3
PAR 2211	Legal Research	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
AST 1110	Astronomy with Lab: Planetary Systems: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
	Subtotal	**16**
Third Semester		
PAR 2209	Constitutional Law	3
PAR 2212	Legal Writing	3
HIS 2015	20th Century World History: GT-HI1	3
CRJ 1010	Introduction to Criminal Justice: GT-SS3	3
CRJ 2030	Criminology	3
	Subtotal	**15**
Fourth Semester		
PAR 2080	Internship	3
PAR 2089	Capstone	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
COM 2300	Intercultural Communication: GT-SS3	
HIS 2015	20th Century World History: GT-HI1	
HUM 1015	World Mythology: GT-AH2	
PHI 1012	Ethics: GT-AH3	
LIT 1015	Introduction to Literature I: GT-AH2	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
COM 2300	Intercultural Communication: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
HUM 1015	World Mythology: GT-AH2	
PHI 1014	Comparative Religions: GT-AH3	
HIS 2005	Women in World History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC2)		3
BIO 1016	Introduction to Human Disease: GT-SC2	

BIO 1003	Principles of Animal Biology: GT-SC2	
	Subtotal	**15**
	Total Credits	**61**

Certificates

Public Safety & Legal Services Pathway
CCD.edu/Paralegal

Paralegal

The paralegal certificate prepares you with the job-entry skills for the general paralegal field. Emphasis is placed on practical skills such as interviewing, researching and document drafting. This certificate transfers fully to the Associate of Applied Science degrees in paralegal.

PROGRAM ADMISSION REQUIREMENTS

Meet minimum assessment scores or prerequisites required for general education courses in the program.

COURSE MAP

Course	Title	Credits
First Semester		
PAR 1115	Introduction to Law	3
PAR 2201	Civil Litigation	3
PAR 2202	Evidence	3
PAR 2211	Legal Research	3
PAR 2212	Legal Writing	3
	Subtotal	**15**
Second Semester		
PAR 2209	Constitutional Law	3
PAR 2080	Internship	3
PAR 2089	Capstone	3
Choose One Elective		3
CIS 1035	Complete PC Word Processing: Word	
PAR 1116	Torts	
PAR 1117	Family Law	
PAR 1118	Contracts	
PAR 2216	Employment Law	
PAR 1126	Administrative Law	
Choose One Elective		3
PAR 2205	Criminal Law	
PAR 2206	Business Organization Law	
PAR 2210	Sexual Orientation, Gender Identity, and The Law	
PAR 2217	Environmental Law	
PAR 2218	Bankruptcy Law	
PAR 2220	Cannabis Law	
	Subtotal	**15**
	Total Credits	**30**

ACADEMIC TERMS

Capstone Courses
These courses, usually taken during students' final semester at CCD, review and assess the skills students have learned in the program of study. All courses identified as capstone courses require a grade of C or better for graduation. Capstone courses must be taken at CCD.

College-Level Courses
Courses numbered 1000 or higher (ex. MAT 1340). Grades received in college-level courses are used when calculating GPA. These courses can be used to satisfy graduation requirements.

Core Curriculum
These courses fulfill lower-division general education requirements, as defined and agreed on between the State Board for Community Colleges and Occupational Education and the governing boards of all public four-year institutions in Colorado.

Corequisite
When a course has a corequisite, it means that students are required to take another course concurrent with (or prior to) enrollment in the course. Knowing the information presented in the corequisite course is considered necessary in order for students to be successful in the course. It is the student's obligation to know and meet course corequisites. These are stated in the course description section of the CCD catalog and the schedule of classes. Corequisites will be checked at registration. The student may be required to file proof of meeting corequisites.

Course Number
A three-digit number is assigned to each college course. Courses listed in the 1000s are designated for freshman level; 2000s are intended for sophomore level. Courses numbered below 100 are developmental and cannot be used towards a degree or certificate requirements and are not transferable to four-year institutions.

Credit Hour
This is the basic unit of academic credit. Generally, one credit hour is earned by attending a lecture class for a 50-minute period, once a week, for a full semester. In a laboratory course, one-credit hour is granted for two to three 50-minute periods per week in the laboratory.

An associate degree requires a minimum of 60 credits. Credit hours in parentheses, ex. (3), are options from which students may choose. They are not included in the total credit hours required for the program or plan of study. An average, full-time student course load is 15 credit hours.

Developmental Courses
Courses numbered below 1000 (ex. ENG 0092) Grades received in developmental courses are not used when calculating GPA and these courses cannot be used to satisfy graduation requirements.

General Education
General education is the liberal arts component of a baccalaureate degree that may include lower- and upper-division courses as defined by each institution.

Guaranteed Transfer Courses (GT)
Some of the classes students take at CCD are guaranteed to transfer to any public college or university in the state and count toward a four-year degree as though the class was taken at that institution. In the Course Description section of the catalog, Guaranteed Transfer Courses include a code such as "GT-SC1" which indicates that the class is guaranteed to transfer as a science credit.

Major
The field of academic study in which a student specializes. The selected major will determine which courses are required for a student's program of study.

Prefix
Each course has a three-letter code designating the instructional department or division. For example, ENG is the prefix for English courses.

Prerequisite
When a course has a prerequisite, it means that a student must have certain knowledge to be successful in the course. The prior knowledge may be demonstrated by a test score or successful completion of a prior course (ex. must have completed ENG 1021 with a grade of C or better). Completion of the prerequisite is required prior to enrolling in the course, and U/D, U/F, D, F, or I grades are not acceptable. It is the student's obligation to know and meet course prerequisites. These are stated in the course description section of the CCD catalog and the schedule of classes. Prerequisites will be checked at registration. The student may be required to file proof of meeting prerequisites.

NOTE: Students who have taken prerequisite courses longer than seven years ago are strongly encouraged to take an assessment of the prerequisite material to ensure adequate prior knowledge to be successful in future courses. The outcome of the assessment will help determine whether the prerequisite course needs to be retaken. The assessment is available in the CCD Testing Center.

For Health Science degrees, because of program accreditation requirements, students must have completed all science courses within the previous seven years before the first day of class in a health program.

Section Number
A three-digit number or letter combination is assigned to each college course. The section number is found immediately following the course number (ex. ENG 1021-111 = Section 111 of English Composition I). This number is not indicative of the number of sections offered at CCD.

CERTIFICATES AND DEGREES

About This Section
This section of the catalog is designed to give you information about each degree or certificate offered at CCD, with details on courses, degree plans and more. With this knowledge, you can start to map out your best route to complete a degree at CCD. It will also give you the best tools to transfer from CCD to a four-year college or university.

Start Here
- Statewide Transfer Majors/ Degrees with Designation
- Associate of Arts Degrees
- Associate of Science Degrees
- Associate of General Studies Degree
- Bachelor & Associate of Applied Science Degrees & Certificates

Statewide Transfer Majors/Degrees with Designation

Community College of Denver students who follow the prescribed program in the following areas will be able to transfer their degrees or programs and enroll as juniors in any Colorado public four-year program: anthropology, art history, biology, business, chemistry, communication, criminal justice, early childhood education, economics, elementary education, English (literature emphasis), French, geography, geology, history, mathematics, music, philosophy, physics, political science, psychology (both A.A. and A.S.), sociology, Spanish, studio art, and theatre.

All courses must be completed with a grade of C or better. Course substitutions are not permitted with any statewide transfer articulation plan.

Program Name	Degree Type
Anthropology Transfer Major	Associate of Arts
Biology Transfer Major	Associate of Science
Business Transfer Major	Associate of Arts
Chemistry Transfer Major	Associate of Science
Communication Transfer Major	Associate of Arts
Criminal Justice Transfer Major	Associate of Arts
Early Childhood Teacher Education Transfer Major	Associate of Arts
Economics Transfer Major	Associate of Arts
Elementary Education Transfer Major	Associate of Arts
English-Literature Emphasis Transfer Major	Associate of Arts
Geology Transfer Major	Associate of Science
History Transfer Major	Associate of Arts
Journalism Transfer Major	Associate of Arts[1]
Mathematics Transfer Major	Associate of Science
Music Transfer Major	Associate of Arts
Philosophy Transfer Major	Associate of Arts
Physics Transfer Major	Associate of Science
Political Science Transfer Major	Associate of Arts
Psychology Transfer Major	Associate of Arts
Psychology Transfer Major	Associate of Science
Sociology Transfer Major	Associate of Arts
Theatre Transfer Major	Associate of Arts

NOTE: Course substitutions are allowed on a case-by-case basis if both CCD and the receiving institution agree. Students should see an academic advisor for assistance. Credits brought into a DWD through Prior Learning Assessment (PLA) might not transfer to a four-year school. Students should discuss PLA credit transfers with the receiving institution.

NOTE: Students who have taken prerequisite courses longer than seven years ago are strongly encouraged to take an assessment test over the prerequisite material to ensure adequate prior knowledge to be successful in future courses. The outcome of the assessment test will help the student determine whether or not he or she needs to re-take the prerequisite course. The assessment test is available in the CCD Testing Center.

For health science degrees, because of program accreditation requirements, students must have completed all science courses within the previous seven years before the first day of class in a health program.

Associate of Arts Degrees

Statewide Transfer Major
An Associate of Arts (A.A.) degree provides a learning foundation in communications, social sciences, arts and humanities. Some students work toward the A.A. for purposes of personal enrichment. Many others plan to transfer to four-year colleges and universities to continue their work toward baccalaureate degrees and pre-professional training in such fields as law, business, education, the arts. and social sciences.

You can complete this program in four semesters, going full-time and carrying the required number of hours. You may choose, due to personal circumstances, to extend the amount of time for completion. The A.A. degree sometimes is referred to as a "university parallel" or "transfer" degree. The general education core requirements, when completed at CCD, meet the lower-division general education requirements of all public baccalaureate colleges and universities in Colorado.

As a graduate with an A.A., you may transfer into liberal arts programs in most public baccalaureate colleges and universities with junior standing. Courses to be counted toward the general education core curriculum must be completed with a grade of C or better. You should familiarize yourself with the full requirements of the school to which you plan to transfer and should consult with your academic advisor.

Requirements
All courses must be completed with a grade of C or better. All graduates of the Associate of Arts (A.A.) degree must meet the program requirements listed in the A.A. degree plan below. Up to 4 credits of physical education may apply to this degree.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 1021	English Composition I: GT-CO1	3
HUM 1023	Humanities: Modern World: GT-AH2	3
COM 1250	Interpersonal Communication: GT-SS3	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1111	Art History Ancient to Medieval: GT-AH1	
ENG 2021	Creative Writing I GT-AH1	
LIT 1015	Introduction to Literature I: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
SPA 2061	Spanish Language for Heritage and Intermediate-Mid Speakers: GT-AH4	
THE 1005	Theatre Appreciation: GT-AH1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
COM 2300	Intercultural Communication: GT-SS3	
PSC 1011	American Government: GT-SS1	
COM 2220	Group Communication: GT-SS3	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
	Subtotal	**15**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [2]	3
Choose one Mathematics course depending on your transfer college of choice (GT-MA1)		3-4
MAT 1240	Math for Liberal Arts: GT-MA1	
MAT 1260	Intro to Statistics: GT-MA1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
MUS 1025	History of Jazz: GT-AH1	
ART 1112	Art History Renaissance to Modern: GT-AH1	
LIT 2055	Children`s Literature: GT-AH2	
PHI 1013	Logic: GT-AH3	
HUM 1003	Introduction to Film Art: GT-AH2	
COM 1300	Communication and Popular Culture: GT-AH1	

Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSY 1001	General Psychology I: GT-SS3	
ANT 1001	Cultural Anthropology: GT-SS3	
WST 2000	Introduction to Women`s Studies: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
PSC 2005	International Relations: GT-SS1	
SOC 1002	Introduction to Sociology II: GT-SS3	
Choose One Elective Course		3-5
MUS 1020	Music Appreciation: GT-AH1	
ART 1110	Art Appreciation: GT-AH1	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 1012	Ethics: GT-AH3	
GEO 1005	World Regional Geography: GT-SS2	
SPA 1011	Spanish Language I	
	Subtotal	**15-18**

Third Semester

Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
ANT 1005	Biological Anthropology with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
GEY 1111	Physical Geology with Lab: GT-SC1	
Choose One History Course (GT-HI1)		3
HIS 2135	Colorado History: GT-HI1	
HIS 2145	US History Since 1945: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2200	History of Latin America: GT-HI1	
HIS 2110	African American History: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
Choose One Elective Course		3-5
MGD 1001	Introduction to Computer Graphics	
ART 1113	Art History 1900 to Present: GT-AH1	
SOC 1001	Introduction to Sociology I: GT-SS3	
BUS 1015	Introduction to Business	
ECO 2002	Principles of Microeconomics: GT-SS1	
SPA 1012	Spanish Language II	
Choose One Elective Course		3
HWE 1050	Human Nutrition	
HUM 1015	World Mythology: GT-AH2	
CIS 1018	Introduction to PC Applications	
AEC 1100	Introduction to Design Theory	
HIS 2500	History of Islamic Civilization: GT-HI1	
COM 1150	Public Speaking	
Choose One Elective Course		3
THE 1016	Technical Theatre	
ENG 2031	Literary Magazine	
MUS 1010	Music Theory I	
LIT 2046	Literature of Women: GT-AH2	
PHI 2005	Business Ethics: GT-AH3	
ART 1201	Drawing I	
	Subtotal	**16-19**

Fourth Semester

COM 1010	Communicating through Technology	1
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		4-5
ANT 1005	Biological Anthropology with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
GEO 1012	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
CHE 1011	Introduction to Chemistry I with Lab: GT-SC1	
PHY 1105	Conceptual Physics with Lab: GT-SC1	
Choose One Elective Course		3-5

	CRJ 1027	Crime Scene Investigation	
	ENG 2021	Creative Writing I GT-AH1	
	PSC 2005	International Relations: GT-SS1	
	JOU 2025	New Media	
	HIS 2005	Women in World History: GT-HI1	
	SPA 2011	Spanish Language III: GT-AH4	
Choose One Elective Course			3
	COM 2220	Group Communication: GT-SS3	
	ECO 2001	Principles of Macroeconomics: GT-SS1	
	ART 1002	Visual Concepts 2-D Design	
	HIS 2200	History of Latin America: GT-HI1	
	JOU 1006	Media News and Reporting	
	BUS 1015	Introduction to Business	
Choose One Elective Course			3
	LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
	CIS 1018	Introduction to PC Applications	
	MUS 1025	History of Jazz: GT-AH1	
	HWE 1050	Human Nutrition	
	PHI 2005	Business Ethics: GT-AH3	
	ENG 1031	Technical Writing I: GT-CO1	
		Subtotal	**14-17**
		Total Credits	**60-69**

2 Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

3 Any guaranteed transfer math course (GT-MA1) will fulfill this requirement.

4 6 total Guaranteed Transfer Arts & Humanities credits must be from two different areas (AH1, AH2, AH3, AH4).

NOTE: Students who have taken prerequisite courses longer than seven years ago are strongly encouraged to take an assessment test over the prerequisite material to ensure adequate prior knowledge to be successful in future courses. The outcome of the assessment test will help determine if the prerequisite course needs to be retaken. The assessment test is available in the CCD Testing Center.

For Health Science degrees, because of program accreditation requirements, students must have completed all science courses within the previous seven years before the first day of class in a health program.

Associate of Science Degrees

Statewide Transfer Major

The Associate of Science (A.S.) degree provides a learning foundation in mathematics and the sciences. Although some students work toward the A.S. degree for personal enrichment, many plan to transfer to four-year colleges and universities to continue work toward a baccalaureate degree and professional training in such fields as engineering, medicine, mathematics, biology, chemistry and physics.

You can complete this program in four semesters, going full-time and carrying the required number of hours. You may choose, due to personal circumstances, to extend the amount of time for completion. The A.S. degree is sometimes referred to as a "university parallel" or "transfer" degree. The general education core requirements, when completed at CCD, meet the lower-division general education requirements of all public baccalaureate colleges and universities in the state of Colorado.

As a graduate with an A.S. degree, you may transfer into liberal arts or sciences programs in all public baccalaureate colleges and universities with junior standing. All courses must be completed with a grade of C or better. You should familiarize yourself with the full requirements of the school you plan to attend. Many of these guides are available in the Career & Transfer Center. You should also check the website of your transfer school for the most recent information.

Requirements

Students must complete a total of 60 credit hours for the associate degree. Requirements in four-year or professional programs sometimes change yearly. Meet regularly with your academic advisor to ensure satisfactory progress is being made toward completion of the Associate of Science (A.S.) degree and transferability of

COURSE MAP NOTE

This general Associate of Science degree is intended to assist students with a wide range of potential bachelor's degrees. Please refer to your chosen transfer guide or speak to an academic advisor to ensure that you are taking the correct sequence of courses.

COURSE MAP

Course	Title	Credits
First Semester		
Choose One Social & Behavioral Sciences Course (GT-SS3)		3
SOC 1001	Introduction to Sociology I: GT-SS3	
SOC 1002	Introduction to Sociology II: GT-SS3	
Choose One Written Communication Course (GT-CO1~GT-CO2) [1]		3
ENG 1021	English Composition I: GT-CO1	
ENG 1031	Technical Writing I: GT-CO1	
ENG 1022	English Composition II: GT-CO2	
Choose One Mathematics Course (GT-MA1)		4-5
MAT 1340	College Algebra: GT-MA1	
MAT 1440	Pre-Calculus: GT-MA1	
MAT 2410	Calculus I: GT-MA1	
Choose One History Course (GT-HI1)		3
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 2005	Women in World History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1 [3]	
	Subtotal	**13-14**
Second Semester		
Choose One Arts & Humanities Course (GT-AH3)		3
PHI 1012	Ethics: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3 [3]	
PHI 1014	Comparative Religions: GT-AH3	
Choose One Written Communication Course (GT-CO2~GT-CO3) [1]		3
ENG 1022	English Composition II: GT-CO2	
ENG 2001	English Composition III: GT-CO3	
Choose One Elective		5
MAT 1440	Pre-Calculus: GT-MA1 [2]	
MAT 2410	Calculus I: GT-MA1 [2]	
MAT 2420	Calculus II: GT-MA1 [2]	
BIO 1111	General College Biology I with Lab: GT-SC1	
CHE 1111	General College Chemistry I with Lab: GT-SC1	
PHY 1111	Physics Algebra-Based I with Lab: GT-SC1	
Choose One Natural & Physical Sciences Course (GT-SC1)		5
BIO 1111	General College Biology I with Lab: GT-SC1	
CHE 1111	General College Chemistry I with Lab: GT-SC1	
PHY 1111	Physics Algebra-Based I with Lab: GT-SC1	
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	
	Subtotal	**16**
Third Semester		
COM 2300	Intercultural Communication: GT-SS3	3
Choose One Elective		5
MAT 2410	Calculus I: GT-MA1 [2]	
MAT 2420	Calculus II: GT-MA1 [2]	
MAT 2431	Calculus III with Engineer Applications: GT-MA1 [2]	
BIO 1112	Gen College Biology II with Lab: GT-SC1	
CHE 1112	General College Chemistry II with Lab: GT-SC1	
PHY 1112	Physics Algebra-Based II with Lab: GT-SC1	
Choose One Natural & Physical Sciences Course (GT-SC1)		5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	
BIO 1112	Gen College Biology II with Lab: GT-SC1	
CHE 1112	General College Chemistry II with Lab: GT-SC1	
PHY 1112	Physics Algebra-Based II with Lab: GT-SC1	
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1 [3]	
GEO 1005	World Regional Geography: GT-SS2	
PSY 1001	General Psychology I: GT-SS3	
PSY 2440	Human Growth and Development: GT-SS3	
ANT 2550	Medical Anthropology: GT-SS3	
	Subtotal	**16**
Fourth Semester		
Choose One Elective		5
MAT 2420	Calculus II: GT-MA1 [2]	
MAT 2431	Calculus III with Engineer Applications: GT-MA1 [2]	
CHE 2111	Organic Chemistry I with Lab	
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
BIO 2102	Human Anatomy & Physiology II with Lab: GT-SC1	
PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	
BIO 2101	Human Anatomy & Physiology with Lab I: GT-SC1	
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	
GEY 1112	Historical Geology with Lab: GT-SC1	
BIO 2104	Microbiology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH2))		3
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
MUS 1025	History of Jazz: GT-AH1	
LIT 2002	World Literature After 1600: GT-AH2 [3]	
ART 1110	Art Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
LIT 2059	Survey of African American Literature: GT-AH2	
Choose One Elective		3-4
MAT 2560	Differential Equations: GT-MA1 [2]	
CIS 1018	Introduction to PC Applications	
CSC 1060	Computer Science I: (Language)	
BIO 1016	Introduction to Human Disease: GT-SC2	
HWE 1050	Human Nutrition	
MAT 1260	Intro to Statistics: GT-MA1 [2]	
	Subtotal	**15-17**
	Total Credits	**60-63**

[1] Students must take _EITHER_ a GT-CO1 course and a GT-CO2 course _OR_ a GT-CO2 course and a GT-CO3 course.

[2] See your chosen transfer guide or speak to an academic advisor for specific information on your MAT requirements.

[3] If you intend to transfer to the Colorado School of Mines, you must take these courses.

NOTE FOR STUDENTS PLANNING TO TRANSFER: Students who plan on transferring to a four-year institution should review the transfer requirements of the desired program at that institution prior to selecting courses in the third and fourth semester at CCD. It is strongly recommended that students meet with their advisor for assistance after completing 30 credits toward an Associate of Science degree.

NOTE ON DEGREE COMPLETION REQUIREMENTS: Students must complete at least 60 credits in order to graduate with an Associate of Science degree. In any semester, if the total load is less than 15 credits, additional credits must be taken in subsequent semesters to reach 60 credits to graduate. Therefore, when making choices about individual classes, be mindful of the transfer requirements of your anticipated four-year institution and of the impact on the 60 credit Associate of Science degree. It is strongly recommended that an individualized degree plan be completed with the help of an advisor.

NOTE ON PREREQUISITES: Students who have taken prerequisite courses longer than seven years ago are strongly encouraged to take an assessment test over the prerequisite material to ensure adequate prior knowledge to be successful in future courses. The outcome of the assessment test will help the student determine whether or not he or she needs to re-take the prerequisite course. The assessment test is available in the CCD Testing Center.

For Health Science degrees, because of program accreditation requirements, students must have completed all science courses within the previous seven years before the first day of class in a health program.

Associate of General Studies

Community College of Denver offers an Associate of General Studies degree. It requires lower-division core general education courses that transfer to all majors at all state baccalaureate colleges and universities. Courses must be completed with a grade of C or better. Up to four credits of physical education may apply toward this degree.

REQUIREMENTS
In addition to the general education core requirements, the degree allows you to self-select 23-26 credits of transfer and/or Career and Technical Education (CTE) courses. The general education core courses fully meet the general education requirements of all Colorado baccalaureate schools. Transferability of career courses is not guaranteed. If you select this option, consult with an academic advisor. You can complete this program in four semesters, going full time and carrying the required number of hours. You may choose, because of personal circumstances, to extend the amount of time for completion.

COURSE MAP

Course	Title	Credits
First Semester		
MAT 1240	Math for Liberal Arts: GT-MA1 [1,3]	4
ENG 1021	English Composition I: GT-CO1 [1,2]	3
Choose One Course		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	
COM 2300	Intercultural Communication: GT-SS3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
Choose One Elective [6]		3
	Subtotal	**16**
Second Semester		
ENG 1022	English Composition II: GT-CO2 [2]	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
Choose One History Course (GT-HI1)		3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
Choose One Elective [6]		3
	Subtotal	**15**
Third Semester		
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
Choose One Natural & Physical Sciences Course (GT-SC1) [5]		4
Choose One Elective [6]		3
Choose One Elective [6]		3
Choose One Elective [6]		3
	Subtotal	**16**
Fourth Semester		
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
Choose One Elective [6]		1
Choose One Elective [6]		3
Choose One Elective [6]		3
Choose One Elective [6]		3
	Subtotal	**13**
	Total Credits	**60**

[1] Building Block Course
[2] Student can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022

[3] MAT 1240 or higher GT MA1 course will fulfill this requirement - minimum of 3 credits
[4] Select 3 courses with no more than 2 courses from any on GT(AH1~AH4)
[5] If choosing SCI 1055 and SCI 1056, both must be taken to fulfill the natural and physical science requirement
[6] A minimum of 6 credits must be either 1000 level Gt courses or 2000 level courses

NOTE: Any course whose number begins with "0" in any prefix will not meet requirements for the A.G.S. degree. English and mathematics courses numbered before the core general education courses will not meet requirements for the A.G.S.

NOTE: Students who have taken prerequisite courses more than seven years ago are strongly encouraged to take an assessment test over the prerequisite material to ensure adequate prior knowledge to be successful in future courses. The outcome of the assessment test will help the student determine whether or not he or she needs to re-take the prerequisite course. The assessment test is available in the CCD Testing Center.

Bachelor & Associate of Applied Science Degrees & Certificates

Bachelor of Applied Science Degree
Offered completely online, the Bachelor of Applied Science (B.A.S.) degree in dental hygiene is a degree-completion program. The program is designed to allow registered dental hygienists (RDH) an avenue to advance their dental hygiene education and increase their employment options. The RDH to B.A.S. program will expand career options for individuals currently holding a certificate or associate degree in dental hygiene. The program offers flexibility in scheduling and the ability to continue working while advancing your education and ultimately your career opportunities.

Learn more about the B.A.S. degree.

Associate of Applied Science Degrees
The Associate of Applied Science (A.A.S.) degrees prepare you for entry-level employment in your chosen career. They have all been approved by the State Board for Community College and Occupational Education and have a minimum of 60 credits. A.A.S. degrees are not specifically designed for transfer but some will transfer or have courses embedded within them that will transfer. It is important that you talk with your academic advisor or faculty mentor to get specific details about transferring the A.A.S.

Note: All science prerequisite courses must have been completed within the previous seven (7) years before the first day of classes in any of the health sciences programs.

Learn more about the A.A.S degree.

Certificates
CCD offers numerous certificates, which exist to either enhance your current employment skills or provide new ones. Many of the certificates can be applied to an A.A.S. degree when you are ready to continue your education. Some of the certificates require prerequisites and selective entry so it is important that you read the catalog carefully to understand what is required.

Program Name	Degree Type
ACCOUNTING PROGRAM	
- Accounting	Associate of Applied Science
- Accounting Transfer	Associate of Applied Science
- Bookkeeping/Payroll	Certificate
- Tax Preparation	Certificate
APPLIED TECHNOLOGY PROGRAM	
- Applied Technology	Associate of Applied Science
ARCHITECTURAL TECHNOLOGY PROGRAM	
- Architectural Technologies	Associate of Applied Science

- Architectural Studies	Associate of Applied Science
- Contemporary Building Technology	Certificate
- Digital Design Media	Certificate
- Sustainable Design	Certificate
- Basic Building Crafts	Certificate
- Advanced Building Crafts	Certificate
BUSINESS ADMINISTRATION PROGRAM	
- Management	Associate of Applied Science
- Marketing	Associate of Applied Science
- Customer Service	Certificate
- Entrepreneurship	Certificate
- Supply Chain Management	Certificate
COUNSELING PROGRAM	
- Certified Addiction Technician	Certificate
CRIMINAL JUSTICE PROGRAM	
- Criminal Justice	Associate of Applied Science
- Homeland Security	Certificate
- Law Enforcement	Certificate
DENTAL HYGIENE PROGRAM	
- Dental Hygiene	Associate of Applied Science
- Dental Hygiene	Bachelor of Applied Science
EARLY CHILDHOOD EDUCATION PROGRAM	
- Early Childhood Education Director	Certificate
- Early Childhood Education Teacher, Level I	Certificate
- Para-Professional Educator	Certificate
EMERGENCY MEDICAL SERVICE PROGRAM	
- Emergency Medical Technician	Certificate
FABRICATION WELDING PROGRAM	
- Fabrication Welder	Associate of Applied Science
- Basic Welding	Certificate
- Intermediate Welding	Certificate
- ARC Welder	Certificate
- Fabrication Welder	Certificate
- Creative Metalworking	Certificate
GRAPHIC DESIGN PROGRAM	
- Graphic Design	Associate of Applied Science
- Graphic Design Transfer	Associate of Applied Science
- Graphic Design	Certificate
HEALTH AND EXERCISE SCIENCE	
- Personal Trainer	Certificate
HEALTHCARE INFORMATICS	
- HealthCare Informatics	Bachelor of Applied Science
HUMAN SERVICES PROGRAM	
- Human Services Transfer	Associate of Applied Science
- Human Services Pre-Social Work	Associate of Applied Science
INFORMATION TECHNOLOGY PROGRAM	
- Computer Information Systems	Associate of Applied Science
- CyberSecurity	Associate of Applied Science
- Information Technology	Associate of Applied Science
- Computer Technology	Certificate
- Computer Service and Support	Certificate

- Cybersecurity	Certificate
- Data Analytics	Certificate
- Healthcare	Certificate
- Network Security	Certificate
MACHINE TECHNOLOGY PROGRAM	
- CNC Manufacturing	Associate of Applied Science
- Basic Machining	Certificate
- Intermediate Machining	Certificate
- CNC Machine Tool Operator	Certificate
- Industrial Maintenance Technologies	Certificate
MEDICAL ASSISTING PROGRAM	
- Medical Assisting	Associate of Applied Science
- Medical Assisting	Certificate
- Phlebotomy	Certificate
MUSIC PROGRAM	
- Recording Arts	Associate of Applied Science
NURSING PROGRAMS	
- Nurse Aide	Certificate
- Practical Nursing	Certificate
NUTRITION	
- Food, Nutrition & Wellness	Certificate
PARALEGAL PROGRAM	
- Paralegal	Associate of Applied Science
- Paralegal Transfer	Associate of Applied Science
- General Paralegal	Certificate
RADIOLOGIC TECHNOLOGY PROGRAM	
- Radiologic Technology	Associate of Applied Science
- Computed Tomography	Certificate
- Mammography	Certificate
- Magnetic Resonance	Certificate
SURGICAL TECHNOLOGY PROGRAM	
- Surgical Technology	Associate of Applied Science
- Sterile Processing Technology	Certificate
VETERINARY TECHNOLOGY PROGRAM	
- Veterinary Technology	Associate of Applied Science
- Veterinary Technology Assistant	Certificate

COURSES

Note: "950" courses in all subject prefixes denote inter-institutional courses. See student support services helpful terms for more information.

- #
- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- L
- M
- N
- O
- P
- Q
- R
- S
- T
- U
- V
- W
- X
- Y
- Z

A
- Accounting (ACC)
- Advanced Academic Achievement (AAA)
- Agriculture (AGY)
- American Sign Language (ASL)
- Anthropology (ANT)
- Architecture/Engineering (AEC)
- Arts (Visual) (ART)
- Astronomy (AST)

B
- Behavioral Health (BEH)
- Biology (BIO)
- Business Administration (BUS)
- Business Technology (BTE)

C
- Cannabis Science Operations (CSO)
- Chemistry (CHE)
- Chinese (CHI)
- Communication (COM)
- Computer Assisted Design (CAD)
- Computer Information Systems (CIS)
- Computer Network Technologies (CNG)
- Computer Science (CSC)
- Computer Web Base (CWB)
- Counseling (CSL)
- Criminal Justice (CRJ)

D
- Dental Hygiene (DEH)

E
- Early Childhood Education (ECE)
- Economics (ECO)
- Education (EDU)
- Emergency Medical Service (EMS)
- Engineering (EGG)
- Engineering Graphics Technology (EGT)
- English (ENG)
- Environmental Science (ENV)
- Ethnic Studies (ETH)

F
- French (FRE)

G
- Geography (GEO)
- Geology (GEY)
- German (GER)

H
- Health And Wellness (HWE)
- HealthCare Informatics (HCI)
- Health Professions (HPR)
- History (HIS)
- Honors (HNR)
- Humanities (HUM)
- Human Services (HSE)

J
- Journalism (JOU)

L
- Literature (LIT)

M
- Machine Technologies (MAC)
- Management (MAN)
- Manufacturing Technology (MTE)
- Marketing (MAR)
- Mathematics (MAT)
- Medical Assisting Professional (MAP)
- Medical Office Technology (MOT)
- Multimedia Graphic Design (MGD)
- Music (MUS)

N
- Nurse Aide (NUA)
- Nursing (NUR)

P
- Paralegal (PAR)
- Philosophy (PHI)
- Physical Education (PED)
- Physics (PHY)
- Political Science (PSC)
- Psychiatric Technician (PTE)
- Psychology (PSY)
- Public Health (PBH)
- Public Security Management (PSM)

R
- Radiologic Technology, Computed Tomography, and Mammography (RTE)
- Russian (RUS)

S
- Science (SCI)
- Social Work (SWK)
- Sociology (SOC)
- Spanish (SPA)
- Sterile Processing (SPI)
- Surgical Technology (STE)

T
- Theatre (THE)

V
- Veterinary Technology (VET)

W
- Welding, Fabrication (WEL)
- Women's Studies (WST)

Accounting (ACC)

ACC 1001 | Fundamentals of Accounting
Lecture Credit: 3

Presents the basic elements and concepts of accounting, with emphasis on the procedures used for maintaining journals, ledgers, and other related records, and for the completion of end-of-period reports for small service and merchandising businesses.

ACC 1011 | Introduction to Financial Accounting
Lecture Credit: 3

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

ACC 1012 | Introduction to Managerial Accounting
Lecture Credit: 3

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

Prerequisite: ACC 1001 or ACC 1011 or ACC 1021 with a grade of C or better

ACC 1015 | Payroll Accounting
Lecture Credit: 3

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.

Corequisite: ACC 1001 or ACC 1011 or ACC 1021

ACC 1021 | Accounting Principles I
Lecture Credit: 4

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

ACC 1022 | Accounting Principles II
Lecture Credit: 4

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: ACC 1021 with a grade of C or better

ACC 1025 | Computerized Accounting
Lecture Credit: 3

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

Prerequisite: ACC 1001 or ACC 1011 or ACC 1021 with a grade of C or better
Corequisite: ACC 1001 or ACC 1011 or ACC 1021
Note: This class will be offered in the spring semester only.

ACC 1031 | Income Tax
Lecture Credit: 3

Studies of 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.

Note: This class will be offered in the fall semester only.

ACC 1032 | Tax Help Colorado
Lecture Credit: 2

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.

Note: This class will be offered in the fall semester only.

ACC 1033 | Tax Help Colorado Practicum
Practicum Credit: 1

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

Prerequisite: ACC 1032 with a grade of C or better
Note: This class will be offered in the spring semester only.

ACC 1035 | Spreadsheet Applications for Accounting
Lecture Credit: 3

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: ACC 1001 or ACC 1011 or ACC 1021, and CIS 1018 or CIS 1055 with a grade of C or better
Note: This class will be offered in the fall semester only.

ACC 2016 | Governmental and Not-for-Profit Accounting
Lecture Credit: 3

Addresses concepts of budgetary control as a matter of law and public administration theory. Accounting principles and procedures necessary to implement budgetary controls for governmental units and other not-for-profit institutions and organizations are presented.

Prerequisite: ACC 1012 or ACC 1022 with a grade of C or better
Note: This class will be offered in the spring semester only.

ACC 2026 | Cost Accounting
Lecture Credit: 3

Studies cost accumulation methods and reports. Focuses on the concepts and procedures of job order, processes, standards, and direct cost systems, budgeting, planning and control of costs.

Prerequisite: ACC 1012 or ACC 1022 with a grade of C or better
Note: This class will be offered in the fall semester only.

ACC 2080 | Internship
Internship Credit: 3-6

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.

Note: This class will be offered in the spring semester only.

Advanced Academic Achievement (AAA)

AAA 0050 | Semester Survival
Lecture Credit: 2

Emphasizes basic study skills in order to bolster their chances of completing the current semester successfully.

AAA 0090 | Academic Achievement Strategies
Lecture Credit: 3

Develops personalized approaches to learn and succeed for easier transition into 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.

AAA 1001 | College 101: Student Experience
Lecture Credit: 1

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

AAA 1009 | Advanced Academic Achievement
Lecture Credit: 3

Examines theories and practices associated with successful learning to enhance college success. Recommended for new and returning students, this course study areas including 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.

AAA 1075 | Special Topics
Exploration of current topics, issues and activities related to one or more aspects of the named discipline.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

Agriculture (AGY)

AGY 3025 | Cannabis Plant Botany and Cultivation
Lecture Credit: 3 Lab Credit: 1

Introduces the cultivation of the cannabis plant, focusing on the biology and agricultural science of the plant. The course covers origins of the Cannabaceae family, life cycle of the plant, and various applications of cultivation techniques. The course examines innovative cultivation methods in cannabis production.

American Sign Language (ASL)

ASL 1121 | American Sign Language I
Lecture Credit: 5

Exposes the student to American Sign Language. Readiness activities are conducted focusing on visual/receptive skills and basic communication. Utilizes the direct experience method. Students must complete this course with a `B` or higher or pass the ASL proficiency test with a score of at least 80% or better prior to registering for ASL 1122 if planning to enroll in the Interpreter Preparation Program.

ASL 1122 | American Sign Language II
Lecture Credit: 5

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. Students must complete this course with a `B` or higher or pass the ASL 1121 proficiency test at 80% or better prior to acceptance into the Interpreting and Transliterating Preparation program.

Prerequisite: ASL 1121 with a grade of C or better, or department chair permission.

ASL 1123 | American Sign Language III
Lecture Credit: 5

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

Prerequisite: ASL 1122 with a grade of C or better, or department chair permission.

ASL 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: This course may require prerequisites or permission of instructor

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ASL 2085 | Independent Study
Independent Study Credit: 0-12

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

Prerequisite: Department chair permission.

Anthropology (ANT)

ANT 1001 | Cultural Anthropology: GT-SS3
Lecture Credit: 3

Studies human cultural patterns and learned behavior including linguistics, social and political organization, religion, culture and personality, culture change, and applied anthropology. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

ANT 1003 | Introduction to Archaeology: GT-SS3
Lecture Credit: 3

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

Prerequisite: College Readiness in English

ANT 1005 | Biological Anthropology with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Focuses on the study of the human species and related organisms, and examines principles of genetics, evolution, anatomy, classification, and ecology, including a survey of human variation and adaptation, living primate biology and behavior, and primate and human fossil evolutionary history. This course is approved as part of the statewide guarantee transfer curriculum. GT-SC1

Prerequisite: College Readiness in English

COURSES

ANT 1075 | Special Topics
Studies human cultural patterns and learned behavior. Includes linguistics, social and political organization, religion, culture and personality, culture change, and applied anthropology.
Prerequisite: College Readiness in English
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ANT 1226 | Colorado Archaeology
Lecture Credit: 3
Identifies and evaluates distinct prehistoric cultures present in the region now known as Colorado since about 10,000 years ago, using specific archaeological techniques and terminologies.
Prerequisite: College Readiness in English

ANT 2075 | Special Topics
Provides opportunity for off-campus field experience or study of a special topic in anthropology. Field study may occur at archaeological sites, museums, host educational institutions, within ethnographic situations, or other anthropologically appropriate places. Study of a special topic may include that derived from physical anthropology, cultural anthropology, archaeology, or other anthropological discipline.
Prerequisite: College Readiness in English
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ANT 2085 | Independent Study
Independent Study Credit: 0-12
Allows the student to independently study certain aspects of anthropology. It provides opportunity to investigate an area of interest that developed in introductory courses.
Prerequisite: College Readiness in English

ANT 2115 | Native Peoples of North America: GT-SS3
Lecture Credit: 3
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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3
Prerequisite: College Readiness in English

ANT 2125 | Anthropology of Religion: GT-SS3
Lecture Credit: 3
Explores the culturally universal phenomenon of religion including cross-cultural varieties of beliefs in the supernatural and the religious rituals people employ to interpret and control their worlds. This course is one of the Statewide Guaranteed Transfer courses. GT: SS3.
Prerequisite: College Readiness in English

ANT 2130 | Sex, Gender, and Culture: GT:SS3
Lecture Credit: 3
Explores the anthropology of gender including the relationship between biology and culture in human evolution, archaeological evidence of gender distinctions in prehistory, cross-cultural constructions of gender and sexuality, variations in the sexual division of labor, economic stratification, gender differences in ritual and religion, and the impact of gender issues in dynamic contemporary world cultures. This course is one of the Statewide Guaranteed Transfer courses. GT: SS3.
Prerequisite: College Readiness in English

ANT 2213 | Cultural Resource Management Technology
Lecture Credit: 3 Lab Credit: 1
Introduces the technical skills necessary for employment In the fields of Cultural Resource Management (CRM) and historic preservation, including use of Global Positioning Software (GPS) and Global Information Software (GIS) needed to meet federal and state requirements for National Historic Preservation Act (NHPA), specifically Section 106.
Prerequisite: College Readiness in English

ANT 2230 | Southwest US Archaeology
Lecture Credit: 3
Identifies the complex regional population centers and cultural traditions of prehistoric peoples of the Four Corners (Colorado, Arizona, New Mexico, Utah) and analyses evidence of cultural interaction with peoples of Meso-America and with the ecology of the region.
Prerequisite: College Readiness in English

ANT 2315 | Introduction to Forensic Anthropology with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1
Covers the basic principles of forensic anthropology, an applied field within the discipline of biological anthropology. The course includes the study of the human skeleton, practical application of biological anthropology and archaeology, and judicial procedure, as they relate to the identification of human remains within a medico-legal context. This is a statewide Guaranteed Transfer course in the GT-SC1 category.
Prerequisite: College Readiness in English and Quantitative Literacy Math

ANT 2540 | Environmental Anthropology
Lecture Credit: 3
Investigates human-environment interactions, including cultural constructions of nature, sociocultural adaptations to various environments, and transformation of the environment both in the past and the present. Also considers human relationships with global climate, and attempts to mitigate human impacts on the environment.
Prerequisite: College Readiness in English

ANT 2545 | Anthropology of Energy
Lecture Credit: 3
Examines issues of energy production and consumption that occupy a central role in national and global debates. Where does the majority of our energy currently come from, and where should it come from in the future? What is at stake in our energy lifestyles on both local and global scales?
Prerequisite: College Readiness in English

ANT 2550 | Medical Anthropology: GT-SS3
Lecture Credit: 3
Studies the basic principles of medical anthropology, an applied field within the discipline of cultural anthropology including 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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3
Prerequisite: College Readiness in English

Architecture/Engineering (AEC)

AEC 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Prerequisite: This course requires department chair permission.
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

AEC 1085 | Independent Study
Independent Study Credit: 3-4

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

Prerequisite: Chair permission

AEC 1100 | Introduction to Design Theory
Lecture Credit: 3

Evaluates design environments both physical and theoretical. Students will be encouraged to consider how social and individual behavior is reflected in and influenced by these designed environments. Through exploration of assigned readings and movies the student will critically assess how design influences our perception of the built environment that surrounds us and the design theory behind it.

AEC 1110 | History of Architecture
Lecture Credit: 3

This course will cover major periods of architectural development. Social and cultural values influencing architecture will be highlighted as well as the interaction of art, engineering and architecture as forms of expression.

AEC 1120 | Themes in Architectural History
Lecture Credit: 3

Examines the history of building culture emphasizing environmental conditions, resources, and social factors that influence the development of architectural form. This course explores historical works of architecture and urban form to analyze trends and common responses to recurring issues of environmental design.

AEC 1220 | Architectural Drawing Theory
Studio Art Credit: 4

Print reading, construction assemblies, terminology, isometric drawings, orthographic projections and oblique sketching.

AEC 1231 | Residential Construction Drawing
Lecture Credit: 4

Investigates light frame construction techniques and the production of residential construction drawings. The course covers residential construction materials, components and systems related to wood frame structures. Students produce a professional set of construction drawings of a residential structure.

Prerequisite: AEC 1510 or AEC 1520 with a grade of C or better or department chair permission

AEC 1232 | Commercial Construction Drawing
Lecture Credit: 4

Examines the process of drawing commercial architectural plans, elevations, sections, details, and schedules. Students produce a portfolio of construction drawings of a multistory core and shell of a structure.

Prerequisite: AEC 1510 with a grade of C or better or with department chair permission.
Corequisite: AEC 1510 with a grade of C or better or with chair permission.

AEC 1500 | Building Science
Lecture/Lab Credit: 3

Surveys the complex interrelationships among the technical determinants of site context, climate, human well-being, occupant safety, energy flows, and building assembly concepts addressed in architectural design. This course explores how design decisions are made to support resource sustainability, health and safety, resiliency, and energy efficiency.

AEC 1501 | Building Structures
Lecture/Lab Credit: 3

Connects the essential architectural characteristics and properties of major building materials to their structural behavior through both conceptual and calculated examination. This course investigates their methods of application in common contemporary architectural structural systems.

Prerequisite: AEC 1500 with a grade of C or better

AEC 1502 | Building Detailing
Lecture/Lab Credit: 3

Explores the process of designing assemblies of architectural materials and components into constructible, sustainable, and durable buildings. This course emphasizes the development and application of freehand, scaled-drawing skills.

Prerequisite: AEC 1500 with a grade of C or better

AEC 1510 | Building Materials
Lecture Credit: 3

This course will cover the study of building materials and methods commonly used within the construction industry. The course will include interior and exterior materials used in everything from foundations to roof systems.

AEC 1520 | Construction Materials and Systems
Lecture Credit: 3

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

AEC 1600 | Construction Practices and Documents
Lecture Credit: 2

Investigates construction practices, specifications, contracts and other legal documents used in the building construction industry. The roles and responsibilities of design and construction team participants are also explored.

Prerequisite: AEC 1500 with a grade of C or better or chair permission

Note: AEC 1500 is not offered at CCD. Please see your advisor for more information.

AEC 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: This course requires department chair permission.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

AEC 2080 | Internship
Internship Credit: 3

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.

AEC 2085 | Independent Study
Independent Study Credit: 3-4

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

Prerequisite: Chair permission

AEC 2087 | Cooperative Education
Practicum Credit: 3

Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor will work with the student to select an appropriate work site, establish learning objectives and to coordinate learning activities with the employer or work site supervisor.

Prerequisite: This course requires department chair permission.

AEC 2089 | Capstone
Lecture Credit: 6

Applies knowledge of building construction techniques and architectural drawing conventions in developing plans, elevations, sections and details of a building structure by developing a set of construction drawings from design development drawings and specifications.

Prerequisite: This course requires department chair permission.

AEC 2220 | Architectural Graphics
Lecture/Lab Credit: 3

Introduces graphic concepts to architectural students and develops graphic design techniques and rendering using pencil, ink, and color media. Both freehand and mechanical methods are stressed. Student will be able to produce architectural presentations.

AEC 2221 | Architectural Visualization Concepts
Lecture/Lab Credit: 3

Explores approaches for communicating design intentions, originating in hand-drawn, two-dimensional (2D), and Building Information Modeling (BIM) applications. This course uses multiple approaches to architectural drawing and may include rendering software, mixed-media techniques, and principles of presentation format design and composition.

Prerequisite: AEC 2220 and CAD 1115, CAD 2220 or CAD 1110 with a grade of C or better or Chair Permission

AEC 2230 | Architectural Design and Development
Studio Art Credit: 4

Reviews conceptual design, site analysis, and architectural drafting techniques. Students will be introduced to the development of design ideas and theories and learn how to present those ideas visually. Students will be required to analyze a site and produce a design solution that responds to that particular site through a combination of research data, conceptual models, drawings, and sketches. The student will produce a final presentation of all relevant data, sketches, conceptual models, and drawings using presentation boards produced in various graphical programs.

Prerequisite: CAD 1110 or CAD 2220 with a grade of C or better; AEC 1100, AEC 1220 and AEC 1510 with a grade of C or better, or department chair permission.

AEC 2300 | Sustainable Building Systems
Lecture Credit: 3

Investigates the technologies and strategies related to sustainable (green) materials and systems for buildings. Topics include: energy and environmental consciousness/regulations; the high performance building envelope; alternative construction techniques (adobe, cob, rammed earth, straw bale); microclimate/site factors; sustainable/green materials; and passive solar; active thermal solar, photovoltaic energy, wind energy conversion, on site water use/reuse and waste disposal systems.

Prerequisite: AEC 1500 with a grade of C or better or chair permission

Note: AEC 1500 is not offered at CCD. Please see your advisor for more information.

AEC 2310 | LEED Exam Preparation
Lecture Credit: 3

Prepares students for LEED (Leadership in Energy and Environmental Design) examination by the U.S. Green Building Council and provides a detailed exploration of the LEED rating system for a general understanding of what LEED is and how it is implemented. Topics include sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, and innovation in design.

Prerequisite: AEC 2300 with a grade of C or better or chair permission

AEC 2410 | Applied Statics and Strengths of Materials
Lecture Credit: 3

Provides an algebra-based investigation of concepts in statics and strengths of materials. Topics include a study of fundamental mechanical properties of materials, single planar forces, properties of sections, and two-dimensional free body, shear, and bending moment diagrams.

Prerequisite: MAT 1340 with a grade of C or better or department chair permission

AEC 2700 | International Building Codes
Lecture Credit: 3

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

Prerequisite: AEC 1500 with a grade of C or better or chair permission

Note: AEC 1500 is not offered at CCD. Please see your advisor for more information.

Arts (Visual) (ART)

ART 1002 | Visual Concepts 2-D Design
Studio Art Credit: 3

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

ART 1003 | 3-D Design
Studio Art Credit: 3

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

ART 1004 | Visual Concepts 4-D Design
Studio Art Credit: 3

Explores the artistic possibilities of time and movement in art and design. Students will be introduced to various methods and mediums as they apply the principles of design to time-based art and design projects. Students will be challenged to develop conceptually through individual and collaborative projects that may include flip-book animations, claymation, stop-motion animation, cinemagraphs, video, or performance art. Collaborative and creative problem solving skills will be encouraged.

ART 1110 | Art Appreciation: GT-AH1
Lecture Credit: 3

Introduces the cultural significance of the visual arts, including media, processes, techniques, traditions, and terminology. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

ART 1111 | Art History Ancient to Medieval: GT-AH1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

ART 1112 | Art History Renaissance to Modern: GT-AH1
Lecture Credit: 3

Provides the knowledge base to understand the visual arts, especially as related to Western culture. Surveys the visual arts from the Renaissance to 1900. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

ART 1113 | Art History 1900 to Present: GT-AH1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

ART 1201 | Drawing I
Studio Art Credit: 3

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

ART 1401 | Digital Photography I
Studio Art Credit: 3

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

ART 2075 | Special Topics
Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ART 2080 | Internship
Internship Credit: 1-12

Provides the opportunity for students to gain supervised occupational experience in any of the disciplines involving the visual arts, including, but not limited to, gallery or museum administration and graphic design. Instruction is coordinated by the on-site supervisor and instructor and is totally based on the student`s occupational experience plan.

ART 2085 | Independent Study
Independent Study Credit: 0-12

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

ART 2401 | Digital Photography II
Studio Art Credit: 3

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: ART 1401 with a grade of C or better

Astronomy (AST)

AST 1110 | Astronomy with Lab: Planetary Systems: GT-SC1
Lecture Credit: 3 Lab Credit: 1

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: College Readiness in English and Quantitative Literacy Math

AST 1120 | Astronomy II with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

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

Prerequisite: College Readiness in English and Quantitative Literacy Math

AST 1140 | Astronomy of Ancient Cultures: GT-SC2
Lecture Credit: 3

Introduces the study of archaeoastronomy and ethnoastronomy. Students will study the principles of naked eye astronomy and examine how those principles have been used for timekeeping, navigation, religion and ritual, political power, cosmology and worldview. Methods of the ethnoastronomer will be covered, including measurement of alignments, analysis of written records, examination of art and architecture and incorporation of general knowledge about the culture being studied. This course is one of the Statewide Guaranteed Transfer courses. GT-SC2

Prerequisite: College Readiness in English and Quantitative Literacy Math

Behavioral Health (BEH)

BEH 1001 | Mental Health Crisis and Intervention: Preparedness and Emp
Lecture Credit: 3

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

BEH 1020 | Cultural Comp in Beh Health
Lecture Credit: 1.5

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

BEH 1030 | Behavioral Health Case Management and Clinical Documentation
Lecture Credit: 1

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

BEH 1040 | Child, Adult, and Family Advocacy
Lecture Credit: 1.5

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

BEH 1050 | Peer Support Specialist Training
Lecture Credit: 4

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

COURSES

BEH 1060 | Registered Behavioral Technician Training
Lecture Credit: 4

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

BEH 2001 | Mental Health Crisis & Intervention: Advoc, Interv, & Resil
Lecture Credit: 3

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

BEH 2030 | Applied Therapeutic Communication Skills
Lecture Credit: 3

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

Biology (BIO)

BIO 1003 | Principles of Animal Biology: GT-SC2
Lecture Credit: 3

Introduces the student to the study of animals from the cellular level to the interactions of the organism within its environment, and their ecological contributions. This course includes principles of evolution, animal ecology, animal architecture, taxonomy, and phylogeny. It also includes the study of animal diversity, emphasizing the characteristics and classifications of animal phyla and major classes. This course is one of the Statewide Guaranteed Transfer courses. GT-SC2
Prerequisite: College Readiness in English and Quantitative Literacy Math

BIO 1005 | Science of Biology with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1
Prerequisite: College Readiness in English and Quantitative Literacy Math

BIO 1006 | Basic Anatomy and Physiology
Lecture Credit: 4

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: College Readiness in English and Quantitative Literacy Math

BIO 1010 | Biology Foundations: Prep for Anatomy & Physiology and Microbiology
Lecture Credit: 2

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

BIO 1016 | Introduction to Human Disease: GT-SC2
Lecture Credit: 3

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

BIO 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

BIO 1111 | General College Biology I with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

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. The course includes laboratory experience. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1
Prerequisite: College Readiness in English and Quantitative Literacy Math

BIO 1112 | Gen College Biology II with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Continues Biology I. Includes ecology, evolution, classification, structure, and function in plants and animals. Examines the fundamental principles of ecology, evolution, classification, structure, and function in plants and animals. This course includes a laboratory experience. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1
Prerequisite: College Readiness in English and Quantitative Literacy Math

BIO 2101 | Human Anatomy & Physiology with Lab I: GT-SC1
Lecture Credit: 3 Lab Credit: 1

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 dissection. This is the first semester of a two-semester sequence. This course is one of the Statewide Guaranteed Transfer Courses. GT-SC1
Prerequisite: BIO 1111 or BIO 1010 with a grade of C or better

BIO 2102 | Human Anatomy & Physiology II with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1
Prerequisite: BIO 2101 with a grade of C or better

BIO 2104 | Microbiology with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

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 an emphasis on their role in infectious disease. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1
Prerequisite: BIO 1111 or BIO 1010 with a grade of C or better

BIO 2116 | Pathophysiology
Lecture Credit: 4

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: BIO 2101 and BIO 2102 with a grade of C or better
Corequisite: BIO 2102

BIO 2120 | General Zoology with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Focuses on the study of invertebrate and vertebrate animals and examines structure, evolutionary development, ecology, classification, physiology, reproduction, and zoogeography. A survey of zoological diversity emphasizing the characteristics, zoological contributions, and classification of animal phyla and major classes, this course requires hands-on laboratory and field experience. This course is designed for biology majors. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1.

Prerequisite: BIO 1112 with a grade of C or better

BIO 2122 | General College Ecology
Lecture Credit: 3 Lab Credit: 1

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: BIO 1112 with a grade of C or better

BIO 2124 | Genetics
Lecture Credit: 3 Lab Credit: 1

Studies the fundamental laws of heredity and their application to living organisms. Covers the basics of genetics. Focuses on the laws of Mendal, linkage, mutation concept, molecular genetics, and the Hardy-Weinberg law. Includes a laboratory experience. This course is approved as part of the Colorado Statewide Guaranteed transfer curriculum: GT:SC1.

Prerequisite: BIO 1111 with a grade of C or better

BIO 2165 | Techniques in Cell Culture and Protein Production
Lecture Credit: 3 Lab Credit: 1

Focuses on the methods commonly used in biotech manufacturing facilities. Includes eukaryotic cell culture, prokaryotic fermentation, and protein production and purification. Requires hands-on laboratory experience.

BIO 2169 | Nucleic Acid Techniques and Molecular Cloning
Lecture Credit: 1 Lab Credit: 3

Introduces Recombinant DNA technology as 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.

BIO 2175 | Special Topics
Covers a specific topic within biology, as determined by the instructor. Reflects the special expertise of the faculty and/or the special needs of the students.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

BIO 2185 | Independent Study
Independent Study Credit: 0 - 12

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

BIO 2228 | Field Biology: (Rio Mora, New Mexico)
Lecture Credit: 1 Lab Credit: 3

Focuses on the identification of organisms and the examination of ecological concepts and principles. The course involves in-depth field study of natural environments lasting at least seven days and requires hands-on laboratory and field experience including extensive hiking.

Business Administration (BUS)

BUS 1015 | Introduction to Business
Lecture Credit: 3

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 1016 | Personal Finance
Lecture Credit: 3

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 1021 | Basic Workplace Skills
Lecture Credit: 1

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

BUS 1075 | Special Topics in Business
Provides students with a vehicle to pursue special topics of interest in business. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

BUS 2001 | Business Logistics Optimization
Lecture Credit: 3

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

BUS 2002 | Business Purchasing, Supply, and Sourcing Logistics
Lecture Credit: 3

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

BUS 2003 | Introduction to International Business
Lecture Credit: 3

Provides student with an understanding of the interdisciplinary nature of international business. Course will cover the development of international business; theories and methods of international trade; financing mechanisms and terms used in export documentation and export finance; the effects of economics, political and cultural environment on international business and trade; impact of geography in business transactions; legal aspects of international business; and developing an effective international marketing strategy.

BUS 2016 | Legal Environment of Business
Lecture Credit: 3

Emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is devoted to economic regulation, social regulation, regulation and laws impacting labor-management issues, and environmental concerns. Students develop an understanding of the role of law in social, political, and economic change.

BUS 2017 | Business Communication and Report Writing
Lecture Credit: 3

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

BUS 2026 | Business Statistics
Lecture Credit: 3

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

BUS 2087 | Cooperative Education
Internship Credit: 3

Provides students with the opportunity to supplement course work with practical work experience related to their educational program and occupational objectives. Students are placed at approved work stations 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.

Business Technology (BTE)

BTE 1008 | Ten-Key by Touch
Lecture/Lab Credit: 1

Introduces touch control of the ten-key pad. Emphasizes the development of speed and accuracy using proper technique.

Chemistry (CHE)

CHE 1009 | General, Organic, and Biochemistry
Lecture Credit: 4

Focuses on fundamentals of inorganic, organic and biochemistry primarily for students in health science, non-science majors and/or students in the occupational and health related career areas. Includes the study of measurement, atomic theory, chemical bonding, nomenclature, stoichiometry, solutions, acid and base chemistry, gas laws, condensed states of matter and nuclear chemistry, nomenclature of organic compounds, properties of different functional groups, nomenclature of various biological compounds, their properties and biological pathways.

Prerequisite: College Readiness in English and Quantitative Literacy Math

Note: Recommended for health science career areas, specifically pre-dental hygiene.

CHE 1011 | Introduction to Chemistry I with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

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

Prerequisite: College Readiness in English and Quantitative Literacy Math

CHE 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

CHE 1085 | Independent Study
Independent Study Credit: 0 - 12

Provides the opportunity for the highly motivated student to engage in intensive study and research on a specified topic under the direction of a faculty member. Includes the opportunity for a student to complete a course when the course has not been offered or has been cancelled. The option to make independent study available is at the discretion of qualified faculty and the department chair.

CHE 1111 | General College Chemistry I with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

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

Prerequisite: College Readiness in English and MAT 1340 or higher and CHE 1011 with a grade of C or better, or High School Chemistry

CHE 1112 | General College Chemistry II with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: CHE 1111 and MAT 1340 with a grade of C or better

CHE 2085 | Independent Study
Independent Study Credit: 0 - 12

Provides the opportunity for the highly motivated student to engage in intensive study and research on a specified topic under the direction of a faculty member. Allows a student to complete a course when the course has not been offered or has been cancelled. The option to make independent study available is at the discretion of qualified faculty and the department chair. The student is limited to the number of independent study courses taken per semester.

CHE 2111 | Organic Chemistry I with Lab
Lecture Credit: 3 Lab Credit: 2

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

Prerequisite: CHE 1112 with a grade of C or better

CHE 2112 | Organic Chemistry II with Lab
Lecture Credit: 3 Lab Credit: 2

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

Prerequisite: CHE 2111 with a grade of C or better

Chinese (CHI)

CHI 1011 | Chinese Language I
Lecture Credit: 5

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.

CHI 1012 | Chinese Language II
Lecture Credit: 5

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: CHI 1011 with a grade of C or better

Communication (COM)

COM 1010 | Communicating through Technology
Lecture Credit: 1

Examines the components of remote communication technology and its use in a variety of contexts.

COM 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

COM 1076 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

COM 1105 | Career Communication
Lecture Credit: 3

Develops skills needed in obtaining and keeping a job. Includes job searching, applications, resumes, interviews, and the dynamics of customer, peer, and managerial relationships. Emphasizes speaking, writing, listening, critical reading skills, and vocabulary development essential to the employment world.

COM 1150 | Public Speaking
Lecture Credit: 3

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

COM 1250 | Interpersonal Communication: GT-SS3
Lecture Credit: 3

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

COM 1260 | Communication in Healthcare
Lecture Credit: 3

Familiarizes the student with interactive concerns in settings related to patient-client care. Course includes discussions of diverse cultures, client interaction and family/caregiver issues. The student will also address the concerns of attitude, office politics, teamwork, self-initiative and conflict management as specifically experienced in the patient as client setting.

COM 1300 | Communication and Popular Culture: GT-AH1
Lecture Credit: 3

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

COM 2063 | Conflict Resolution
Lecture Credit: 1

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 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

COM 2080 | Internship
Internship Credit: 0-12

This course 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.

COM 2085 | Independent Study
Independent Study Credit: 0-12

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

COM 2220 | Group Communication: GT-SS3
Lecture Credit: 3

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

COM 2250 | Organizational Communication
Lecture Credit: 3

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

COM 2300 | Intercultural Communication: GT-SS3
Lecture Credit: 3

Explores the link between culture and communication and will develop and/or enhance communication skills and the abilities appropriate to a multicultural society. Emphasis will be on understanding diversity within and across cultures. Relevant concepts include perception, worldview, context, ethics, language, and nonverbal communication. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Computer Assisted Design (CAD)

CAD 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Chair approval

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

CAD 1101 | Computer Aided Drafting I
Lecture/Lab Credit: 3

Focuses on basic computer aided drafting skills using the latest release of the AutoCAD software. Includes file management, Cartesian coordinate system & dynamic input, drawing templates, drawing aids, linetype and lineweights, layer usage, drawing & editing geometric objects, polylines & splines, array, text applications, creating tables, basic dimensioning, and Help access.

CAD 1102 | Computer Aided Drafting II
Lecture/Lab Credit: 3

Focuses on intermediate to advanced computer aided drafting skills using the latest release of the AutoCAD software. Includes blocks, wblocks & dynamic blocks, hatching, isometric drawings, advanced dimensioning and dimension variables, layouts, paper space and viewports, templates, external references, attributes, raster images, sheet sets and printing/plotting.

Prerequisite: CAD 1101 with a grade of C or better

CAD 1110 | Sketchup
Lecture/Lab Credit: 3

Focuses on the understanding of basic concepts of the software program SketchUp. Students will learn how to draw and extrude building shapes, stairs, roofs, and interiors utilizing advanced modeling techniques.

CAD 1115 | Rhino
Lecture/Lab Credit: 3

Introduces the Rhino modeling platform, systems and plug-ins and creation and modification of 3-D objects and scenes. Focuses on NURBS systems, Rhino plug-ins, and Rhino workflow processes. Examines how Rhino is used in various industries. Prepares students to create physical models and renderings using Rhino.

CAD 2080 | Internship
Internship Credit: 6

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: Chair approval

CAD 2089 | Capstone
Lecture/Lab Credit: 6

A demonstrated culmination of learning within a given program of study.

Prerequisite: Chair approval

CAD 2204 | AutoCAD Architecture
Lecture/Lab Credit: 3

Provides students with the software application training in Architectural construction drawings using industry standard software. Includes creating floorplans, sections, elevations and details necessary to produce 2D and 3D Architectural construction drawings.

CAD 2220 | Revit Architecture
Lecture/Lab Credit: 3

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

CAD 2221 | Advanced Revit Architecture
Lecture/Lab Credit: 3

Focuses on the advanced applications of the AutoDesk Revit Architecture software. Includes Family Editing, Topographic Site Plans, Worksharing, Phases, Advanced Scheduling, Custom Annotation, and Presentation Techniques.

Prerequisite: CAD 2220 with a grade of C or better

CAD 2330 | AUTODESK Navisworks
Lecture/Lab Credit: 3

Introduces students to the BIM management software Autodesk Navisworks. Multiple BIM models will be combined for the purposes of scheduling and clash detection.

Prerequisite: CAD 2220 with a grade of C or better

CAD 2455 | SolidWorks/Mechanical
Lecture/Lab Credit: 3

Introduces parametric feature-based solid modeling 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.

CAD 2456 | Advanced Solidworks
Lecture/Lab Credit: 3

Introduces advanced applications of the 3D parametric software SolidWorks. Focuses include management of design data, advanced assembly, analysis of model creations, documentation of bill of materials and parts lists, rendering, animation, and dynamic simulation and testing a model assembly.

Prerequisite: CAD 2455 with a grade of C or better

CAD 2458 | Introduction to Pro Engineer/Basics
Lecture/Lab Credit: 3

Introduces basic Pro/Engineer software and its operations such as part creation, assembly creation, and drawing creation. Pro/Engineer is a 3D Parametric Solid Modeling program.

Prerequisite: CAD 1101 with a grade of C or better

CAD 2460 | Inventor I/Autodesk
Lecture/Lab Credit: 3

Introduces basic Inventor applications of non-parametric modeling, three-dimensional parametric modeling and visualization & animation of 3D modeling. The student learns to construct, modify, and manage complex models in 3D space. Produces 2D drawing assemblies from 3D models.

CAD 2461 | Advanced Inventor
Lecture/Lab Credit: 3

This course focuses on the advanced applications of the parametric software Inventor. Includes management of design data, advanced assembly and analysis of model creations and constraints, documentation of bill of materials and parts lists, rendering and animation and testing a model assembly.

Prerequisite: CAD 2460 with a grade of C or better, or department chair permission

CAD 2464 | Fusion/AutoDesk
Lecture/Lab Credit: 3

Introduces students to the AutoDesk Revit Architecture software. Examines the Building Information Modeling approach to 2D and 3D architectural construction documents. Students will create floorplans, elevations, sections, 3D models, perspective renderings and animations with this software application.

Corequisite: AEC 1200 or CAD 1100 or CAD 1101 or MAC 1002 or WEL 1006

Note: CCD does not offer AEC 1200 or CAD 1100. Please see your advisor for more information.

CAD 2540 | 3DS Max
Lecture/Lab Credit: 3

Introduces 3D model creation and editing, rendering and animation using the AutoDesk 3DS Max software. Focuses on 3D geometry, texture mapping, lighting, camera placement, shading, photo-realistic rendering, animation techniques, and walk through animations.

CAD 2660 | 3D Printing/Additive Manufacturing
Lecture/Lab Credit: 3

Provides the student with the ability to blend the virtual and real design worlds together through the use of 3D Scanning, 3D CAD Modeling, and 3D Printing.

Prerequisite: CAD 2460 with a grade of C or better

CAD 2694 | 3D Scanning and Modeling
Lecture/Lab Credit: 4

Exposes students to 3D scanning and modeling. Students will manipulate various types of 3D scanning technology and create CAD models using scanning software and other CAD programs.

Prerequisite: CAD 2400 or CAD 2460 or CAD 2455 or CAD 2464 with a grade of C or better

Note: CCD does not offer CAD 2400. Please see your advisor for more information.

Computer Information Systems (CIS)

CIS 1010 | Introduction to Computing Technology
Lecture Credit: 1

Introduces basic computing technology with an emphasis on document creation and storage. Use of technology for email, web surfing, and access to course materials is included.

CIS 1017 | Introduction to Technical Apps
Lecture Credit: 2

Provides a basic introduction of standard software packages available to support a microcomputer-based workstation. Includes entry-level hands-on work with word processors, spreadsheets, electronic presentations and basic Internet functionality to support the technical environment.

CIS 1018 | Introduction to PC Applications
Lecture Credit: 3

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

CIS 1020 | Technology for Career Develop
Lecture Credit: 1

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 1024 | Introduction to Operating Systems
Lecture Credit: 3

Introduces concepts, terminology and hands-on skills in the use of DOS and Windows. Emphasizes navigation, file manipulation, file creation and troubleshooting.

CIS 1030 | Introduction to Internet
Lecture Credit: 1

Enhances the student's knowledge of the Internet and its resources. Individuals learn terminology in dealing with the Internet. Includes privacy and copyright issues with information retrieved from the Internet. Students experience the use of e-commerce, multimedia and e-mail. Explores searching the Internet and credibility of information obtained with searches.

CIS 1035 | Complete PC Word Processing: Word
Lecture Credit: 3

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

CIS 1040 | Microsoft Outlook
Lecture Credit: 1

Introduces the functions used in Microsoft Outlook including e-mail messages, calendar, contacts, tasks, journals, and notes.

CIS 1045 | Complete PC Database
Lecture Credit: 3

Explores a complete array of database skills. Includes table, query, form, and report creation and modification. Other topics include application integration and automation of database tasks within the database.

CIS 1055 | PC Spreadsheet Concepts: Excel
Lecture Credit: 3

Exposes the student 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 simple macros.

CIS 1059 | Microsoft Office Specialist Certification Prep: Excel
Lecture Credit: 1

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.

CIS 1065 | Complete Presentation Graphics: PowerPoint
Lecture Credit: 3

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 2018 | Advanced PC Applications
Lecture Credit: 3

Emphasizes solving business problems by integrating data from all of the software applications that facilitate the production of useful information. Advanced capabilities of a PC software applications suite are utilized. Printed documents, reports, slides, and forms are produced to communicate information.

CIS 2020 | Fundamentals of Unix
Lecture Credit: 3

Covers the structure and fundamentals of the UNIX operating system. Includes the file system and file processing, various utility programs, shell, multi-user operation, text processing and communications.

CIS 2040 | Database Design and Development
Lecture Credit: 3

Introduces the basic concepts of relational databases, data storage, and retrieval. Covers database design, data modeling, transaction processing, and introduces the Structured Query Language for databases.

CIS 2043 | Introduction to Structured Query Lanuage (SQL)
Lecture Credit: 3

Introduces students to Structured Query Language (SQL). Students learn to create database structures and store, retrieve and manipulate data in a relational database. Students create tables and views, use indexes, secure data, and develop stored procedures and triggers.

CIS 2067 | Management of Information Systems
Lecture Credit: 3

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

CIS 2087 | Cooperative Education
Internship Credit: 1

Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor works with the student to select an appropriate work site, establish learning objectives and to coordinate learning activities with the employer or work site supervisor.

Computer Network Technologies (CNG)

CNG 1004 | Introduction to TCP/IP
Lecture Credit: 3

Outlines four important networking architectures in corporate environments today - TCP/IP, SNA, AppleTalk, and DNA. Focuses on the major components and functions of each of these architectures as well as methods used to connect different architectures. Provides students with concepts that are important to the field of systems integration, as well as a conceptual basis for understanding network architectures.

CNG 1016 | Microcomputer Hardware
Lecture Credit: 3

Introduces computer hardware. Since hardware depends upon specific software to make it work properly, the course also explores relevant software topics. The course covers taking computers apart, diagnosing and fixing minor problems, and upgrading PCs with new components.

CNG 1020 | A+ Certification Preparation
Lecture Credit: 4

Prepares students for the CompTIA A+ certification examination. PC hardware and operating system installation, configuration and troubleshooting are practiced and reviewed using A+ techniques.

CNG 1021 | Computer Technician I: A+
Lecture/Lab Credit: 4

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

CNG 1022 | Computer Technician II: A+
Lecture/Lab Credit: 4

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

Prerequisite: CNG 1021 with a grade of C or better
Corequisite: CNG 1021

CNG 1024 | Networking I: Network +
Lecture Credit: 3

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

CNG 1025 | Networking II: Network +
Lecture Credit: 3

Continues to provide students with the knowledge necessary to implement and support a network. Focuses on the vendor-independent networking skills and concepts that affect all aspects of networking. The Networking I and II: Network + courses prepare students for the Network + certification.

Prerequisite: CNG 1024 with a grade of C or better

CNG 1031 | Principles of Information Assurance
Lecture Credit: 3

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

CNG 1032 | Network Security Fundamentals
Lecture Credit: 3

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.

Corequisite: CNG 1001 or CNG 1024

CNG 2001 | Linux Configuration: (OS)
Lecture Credit: 3

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

CNG 2002 | Unix/Linux Server Admin
Lecture Credit: 3

Provides students with the knowledge and skills required to configure, administer and secure data, users and services in a UNIX or Linux server environment. Emphasis will be on command-line interface (CLI). Topics will also include system monitoring, performance tuning, troubleshooting and interoperability with Windows servers and clients.

Prerequisite: CNG 2001 or CIS 2020 with a grade of C or better

CNG 2009 | MS Server Active Directory Configuration
Lecture Credit: 4

Provides students with the knowledge and skills to configure Active Directory Domain Services in a distributed environment, implement Group Policies, perform backup and restore, and monitor and troubleshoot Active Directory related issues.

CNG 2011 | Windows Configuration: (OS)
Lecture Credit: 3

Provides students with the knowledge and skills necessary to address the implementation and desktop support needs of customers who are planning to deploy and support Microsoft Windows Client OS in a variety of network operating system environments.
Prerequisite: CNG 1001 or CNG 1024 with a grade of C or better

CNG 2042 | Cloud Computing
Lecture Credit: 3

Installs, configures and manages a cloud environment. Builds on knowledge of hypervisor and virtual machine environments.

CNG 2056 | Vulnerability Assessment I
Lecture Credit: 3

Presents students with an introduction to vulnerability assessment. Vulnerability assessment skills are necessary to understand how companies address vulnerabilities in the business environment. Students gain a better understanding of how information technology security integrates into the corporate world and how a balance must be achieved between security and functionality.
Prerequisite: CNG 1032 or CNG 2001 with a grade of C or better

CNG 2057 | Network Defense and Counter Measures
Lecture Credit: 3

Examines the tools, techniques and technologies used in the technical securing of information assets. This course provides in-depth information of the software and hardware components of Information Security and Assurance. Topics include firewall configurations, hardening Unix and NT servers, Web and distributed systems security and specific implementation of security modes and architectures. The curriculum maps to the Security Certified Network Professional (SCP) Network Defense and Countermeasures exam.
Prerequisite: CNG 1032 with a grade of C or better

CNG 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics ofinterest
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

CNG 2087 | Cooperative Education
Internship Credit: 3

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

CNG 2089 | Capstone
Lecture Credit: 3

Provides a demonstrated culmination of learning within a given program of study.

Computer Science (CSC)

CSC 1005 | Computer Literacy
Lecture Credit: 3

Introduces students to current technologies. Special focus on ensuring students become technologically competent and computer literate. Emphasis is placed on technology fundamentals and terminology through the evaluation of hardware and software. Provides students with a working knowledge of operating system use, file management and security. Introduces the internet as a research and communication tool. Application software is covered to ensure the fundamental computer skills for personal, academic and business use are obtained.

CSC 1019 | Introduction to Programming
Lecture Credit: 3

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

CSC 1050 | Visual Basic Programming: 6.0
Lecture Credit: 3

Introduces programming and applications development for the Microsoft Windows Programming environment using Visual Basic 6.0.

CSC 1060 | Computer Science I: (Language)
Lecture Credit: 4

Introduces students to the discipline of computer science and programming. Algorithm development, data representation, logical expressions, sub-programs and input/output operations using a high-level programming language are covered. Intensive lab work outside of class time is required.
Prerequisite: CSC 1019 or CSC 1020 with a grade of C or better
Corequisite: MAT 1340 or higher
Note: CCD does not offer CSC 1020. Please see your advisor for more information.

CSC 1061 | Computer Science II: (Language)
Lecture Credit: 4

Continues algorithm development and problem solving techniques not covered in Computer Science I using a high-level programming language. Students are able to gain experience in the use of data structures and the design and implementation of larger software projects. Intensive computer laboratory experience is required for this course.
Prerequisite: CSC 1060 with a grade of C or better

CSC 1065 | Discrete Structures
Lecture/Lab Credit: 4

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

CSC 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

CSC 2017 | Advanced Python Programming
Lecture Credit: 3

Continues program development and problem-solving not covered in CSC 1019: Introduction to Programming. Students will create larger programs in the areas of advanced expression, iterator objects, parsing, and GUI applications.
Prerequisite: CSC 1019 and MAT 1340 or CSC 1060 with a grade of C or better

CSC 2025 | Computer Architecture/Assembly Language Programming
Lecture/Lab Credit: 4

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

Prerequisite: CSC 1061 with a grade of C or better
Corequisite: CSC 1061

CSC 2034 | C++ Programming
Lecture/Lab Credit: 4

Starts with basic differences between C++ and other programming languages and progresses to programming advanced C++ concepts such as operator overloading, friends, references, namespaces, pointers and dynamic arrays, templates, streams and file I/O, recursion, polymorphism, exception handling and Standard Template Library. The course covers large programs that are coded implementing object-oriented design principles such as classes and objects, polymorphism, encapsulation, composition, inheritance and templates.

Prerequisite: CSC 1061 with a grade of C or better
Corequisite: CSC 1061

CSC 2040 | Java Programming
Lecture Credit: 3

Introduces the Java programming language and covers basic graphics, events/procedures, user interface, and libraries. Enables the student to write and execute a variety of Java programs. Incorporates Java Applets into HTML.
Prerequisite: CSC 1060 or CSC 2017 with a grade of C or better

CSC 2046 | Mobile App Development
Lecture Credit: 3

Learn how to develop mobile apps using key features and frameworks. Students will learn application design and development using a mobile development platform software development kit (SDK) and corresponding programming language. Main features include: handling UI triggered and touch events, data management, simple and complex UI views, drawing, location and application settings.
Prerequisite: CSC 1060 with a grade of C or better

Cannabis Science & Operations (CSO)

CSO 1000 | Cannabis Fundamentals
Lecture Credit: 3

Provides an overview of the cannabis industry landscape. This course covers cannabis terminology, a review of the history of the industry, cultural norms, common interactions within the human body and risks associated with cannabis usage. This course also covers the Marijuana Enforcement Division (MED) badge and the Colorado state regulations required to work in the industry.

CSO 1050 | Cannabis Business
Lecture Credit: 3

Focuses on the foundational aspects of cannabis business areas, including laws and regulations, initial investment, license acquisition, funding, management, marketing, and customer service.
Prerequisite: BUS 1015 with a grade of C or better

CSO 2000 | Cannabis Laws, Regulations, and Compliance
Lecture Credit: 3

Explores the history of the legalization of cannabis in Colorado, the United States, and other countries. This course provides an in-depth examination of business aspects and the regulatory environment of the cannabis industry. Additionally, it covers accounting and tax laws, and the unique challenges faced by cannabis users, suppliers, and third parties.

CSO 2015 | Software and Systems Requirements for Cannabis Business
Lecture Credit: 3

Introduces software and systems commonly used in the cannabis industry. This course covers the strengths and weaknesses of software and systems, and their applicability for different operations.

CSO 2020 | Cannabis Business Accounting
Lecture Credit: 4

Explores principles and practices of financial accounting, including the standards that govern the preparation of financial statements in cannabis businesses. This course covers the unique attributes of financial reports related to regulated cannabis firms including banking, taxation, Know Your Customer (KYC) audits, and the nuances of a primarily cash business.
Prerequisite: CSO 1050 with a grade of C or better

CSO 2030 | Cannabis Retail and Management
Lecture Credit: 3

Discusses the principles of cannabis retail and sales management. This course covers security systems, governmental interaction, and Marijuana Enforcement Tracking Reporting Compliance (METRC) seed-to-sale training. Additionally, this course covers the Responsible Vendor Program (RVP) certification for store management.
Prerequisite: CSO 1050 with a grade of C or better

CSO 2080 | Internship
Internship Credit: 3

Provides students with the opportunity to supplement course work 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.

CSO 3000 | Cannabis Seminar
Lecture Credit: 3

Focuses on various aspects of the cannabis industry including cannabis taxonomy, historical uses of cannabis, and the political landscape and regulations in Colorado and across the United States. This course covers the Colorado Marijuana Enforcement Division (MED) badge and the Colorado state regulations required to work in the industry and explores career opportunities in cannabis industry. It combines relevant analysis of the industry with a wide range of experts from the cannabis industry.

CSO 3010 | Fundamentals of Cannabis Science w/Lab
Lecture Credit: 3 Lab Credit: 2

Focuses on foundational concepts in organic chemistry, analytical chemistry, and microbiology as they relate to cannabis sciences. This course discusses chemical and microbiological quantitative analytical techniques and applications in cannabis products analysis. It also covers safe laboratory practices in the chemical and microbiological laboratory settings.

Prerequisite: CHE 1111 with a grade of C or better
Corequisite: CHE 1112

CSO 4000 | Chemical Analysis of Medicinal Plants w/Lab
Lecture Credit: 2 Lab Credit: 2

Covers the quality control process and the use of quality control data from the analysis of medicinal plant products to improve processes in the cannabis-processing field. This lab intensive course focuses on advanced analytical testing methods to quantify heavy metal concentration, potency, and residual solvents. Additionally, this course covers related testing methods that do not require significant pre-measurement separation.

Prerequisite: CSO 3010 with a grade of C or better

CSO 4005 | Endocannabinoid System and Pharmacology
Lecture Credit: 4

Covers the endocannabinoid system, receptors, their locations throughout the body, and their physiological relevance. This course introduces different types of cannabinoids and other compounds found within cannabis sativa and their physiological activity. Additionally, this course covers routes of cannabis administration, common dosing of cannabis products in clinical settings, the entourage effect, and adverse reactions to cannabis.

Prerequisite: BIO 2101 with a grade of C or better

CSO 4010 | Extraction for Production
Lecture Credit: 1 Lab Credit: 2

Explores methodologies for concentration, extraction, and purification of cannabis plant constituents, along with the scope and limitations of different extraction techniques.

Prerequisite: CSO 3010 with a grade of C or better

CSO 4015 | Microbiological Analysis of Medicinal Plant w/Lab
Lecture Credit: 2 Lab Credit: 2

Covers the microbiological analysis of contaminants and their toxicity in cannabis products. This course introduces the quality control process and applications used in the microbiological analysis of medicinal plants. Additionally, this course includes hands-on laboratory experiences covering sampling, culturing, identifying, and controlling microorganisms.

Prerequisite: CSO 3010 with a grade of C or better

CSO 4025 | Environmental Sustainability & Waste Management in Cannabis Cultivation
Lecture Credit: 3

Introduces the environmental sustainability and waste management aspects of a cannabis cultivation and processing business. This course focuses on light, odor, noise, and water pollution, and methods of mitigating their effects. Additionally, this course covers sustainability best practices and their societal and financial impacts.

CSO 4035 | Cannabis-Infused Products
Lecture Credit: 3

Introduces laws, regulations, standards, and codes related to cannabis-infused products. This course covers different types of cannabis extraction techniques, their applicability to different Manufactured Infused Products (MIPs), and basics of food safety. Additionally, this course covers clean areas, food management, extraction waste handling, and the necessary steps to establish a Hemp Concentrate Production (HCP) facility.

CSO 4050 | Public Health and Cannabis Use
Lecture Credit: 3

Covers the history of medicinal and recreational usage, the legalization of cannabis, and the impacts on public health and safety. This course uses research, scientific evidence, and case study analysis related to the safety and efficacy of medical cannabis.

CSO 4080 | Internship
Internship Credit: 2

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: CSO 3000, CSO 4000, CSO 4005, CSO 4010, CSO 4015, CSO 4025, and AGY 3025 with a grade of C or better

CSO 4089 | Medicinal Plant Analysis Capstone
Lecture Credit: 1 Lab Credit: 3

Focuses on separation techniques and quantitative measurement of components from complex mixtures in challenging matrices found in the cannabis industry. This course covers advanced gas and liquid chromatography techniques for microbial profiling, potency determination, terpene profiling, and pesticide and mycotoxin quantitation.

Prerequisite: CSO 4000, CSO 4010, and CSO 4015 with a grade of C or better

Computer Web Base (CWB)

CWB 1010 | Complete Web Authoring: (Scripting Language)
Lecture Credit: 3

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 1030 | Web Editing Tools: (Editor)
Lecture Credit: 3

Teaches the use of tools for Web page design and development. These tools are designed to make the creation of Web pages easy and consistent. With the use of editing tools, students will be able to build Web pages making use of forms, tables, frames, templates, Cascading Style Sheets (CSS), and layers. The student will also be able to easily publish and manage a Web site once it is created.

CWB 2004 | Web Presentation: (Software)
Lecture Credit: 3

Teaches control of presentational elements of Web documents by effectively separating page structure from the presentation or design of that page using a style language, controlling page formatting, image inclusion, page layout, and hyperlinks.

Prerequisite: CWB 1010 and CSC 1019 with a grade of C or better

CWB 2006 | Server-side Scripting: (Software)
Lecture Credit: 3

Teaches the creation of dynamic Web pages and applications using server-side scripting with database interactivity, server-based scripting languages, and database manipulation languages.

Prerequisite: CWB 1010 and CSC 1019 with a grade of C or better

CWB 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

Counseling (CSL)

CSL 2046 | Ethical Practice in Addiction Treatment
Lecture Credit: 1

Focuses on ethical issues specific to the practice of addiction counseling and on jurisprudence, which is the law and the practice of psychotherapy in Colorado. The course covers the Colorado Mental Health Practice Act and introduce the regulatory system and the role of Departmental of Regulatory Agencies (DORA) and Division of Behavioral Health (DBH) in the development and credentialing of the addiction counselor. Emphasis on developing ethical decision-making skills, knowledge of confidentiality and the prohibited activities in the Mental Health Practice Act become familiar with the National Association for Alcoholism and Drug Abuse Counselors (NAADAC) Code of Ethics and acquire the tools for ethical and legal practice.

CSL 2048 | Advanced Case Conceptualization
Lecture Credit: 1

Covers the differences between screening and assessment and use of assessment instruments. In this course components of the clinical assessment include a biopsychosocial interview, assessing risk for self-harm, identifying cultural needs and supports, problem domains, determining stage of readiness for change and strengths of the client. Stages of treatment and systems of care will be covered along with facets of treatment planning.

CSL 2050 | Motivational Interviewing I
Lecture Credit: 1.5

Provides the opportunity for students to learn both the model of Motivational Interviewing as well as the underlying Stages of Development model. Discussion of the populations of clients where these models have proven most effective will be discussed. Student opportunity for skills practice during class that includes skill sets specific to each stage of client readiness will be used. Presentation of assessment instruments to evaluate client readiness for change.

Prerequisite: CSL 2068 with a grade of C or better

CSL 2051 | Pharmacology I for Addiction Counselors
Lecture Credit: 1

This class will provide a solid base of knowledge about the drugs of abuse including what is happening in human physiology and behaviors, and will enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

CSL 2052 | Advanced Pharmacology
Lecture Credit: 1

Focuses on the pharmacology of alcohol and drugs such as stimulants, nicotine, cannabis, hallucinogens, designer drugs, over the counter medications, and medications for psychiatric illnesses. When combined with CSL 251, this course meets the pharmacology training requirement for the Counselor II level of the Colorado Alcohol and Drug Abuse Program.

CSL 2053 | Cognitive Behavior Therapy
Lecture Credit: 1

Opportunity for students to learn the model of Cognitive Behavior Therapy as it applies to addiction. Discussion of the populations of clients where this model has proven most effective. Opportunity for skills practice during class that includes clinical feedback. Minimum of 14 contact hours.

CSL 2054 | Trauma Informed Care
Lecture Credit: 1

Covers the concept of trauma#informed care, an approach being adopted within human services based upon an increased awareness of the ways trauma impacts functioning. Course will define what trauma informed care is and ways a traditional treatment setting can be modified to increase the sense of safety experienced by clients. Participants will learn how to incorporate trauma#informed practices into treatment with diverse populations, such as military veterans, women, and people with co-occurring disorders.

CSL 2055 | Infectious Diseases for Addiction Counselors
Lecture Credit: 1

This class will help prepare addiction professionals to identify diseases frequently associated with drug abuse, determine client risk for infection, educate clients about disease prevention and treatment options, and assist clients in obtaining appropriate treatment as needed. This class will enhance the ability of the counselor to offer treatment services in a manner that respects gender, race and ethnicity, sexual orientation, cultural, familial, systemic and socioeconomic diversity.

CSL 2056 | Co-occurring Disorders
Lecture Credit: 1

Presents the basics of working with clients with co-occurring mental health and substance abuse disorders. This class will address clinical assessment, treatment philosophy, strategies, and guidelines to provide integrated treatment with co#occurring disorders. It will include an introduction to the diagnostic criteria for the mental disorders most often seen with substance use disorders. The essential values, attitudes, and competencies of the counselor working with this population are discussed.

CSL 2058 | Group Counseling Skills
Lecture Credit: 1.5

Provides students with the skills that allow one therapist to facilitate a group process that help a number of clients simultaneously, and provides positive peer support and pressure for recovery. This class will help the student understand the use of group therapy and be able to demonstrate the skills necessary to facilitate a therapy group. The class will focus on group process and discuss diversity within groups, as well as challenges for group leaders.

Prerequisite: CSL 2068 with a grade of C or better

CSL 2059 | Advanced Professional and Ethical Practice
Lecture Credit: 1

Addresses organizational ethics and practices, individual provider ethics and practices, and guidelines for setting up a private practice. Topics will include Office of Behavioral Health (OBH) licensing rules; OBH behavioral health rules and regulations; practice standards and guidelines; Department of Regulatory Agencies (DORA) and the Mental Health Practice Act; the purpose of and the need for written policies and procedures; professional competencies, boundaries and ethical relationships; reporting violations; employee drug testing; liability insurance; clinical versus administrative supervision; the ethical delivery of culturally-responsive care and trauma-informed care; and the need for professional self-care plan. This course will build on Ethical Practice in Addiction Treatment course.

CSL 2061 | Case Conceptualization and Documentation
Lecture Credit: 1

Provides the counselor with an understanding of the clinical record and the continuum of client care that the record documents and tracks. The class presents screening, assessment and evaluation, diagnosis, American Society of Addiction Medicine (ASAM) patient placement criteria, treatment planning, progress note completion, documentation requirements and discharge planning. It emphasizes the confidentiality of the client record and includes releases of information, mandatory disclosure and informed consent among others.

CSL 2065 | Culturally Informed Treatment
Lecture Credit: 1

This class will provide a basic foundation for understanding how cultural competence, awareness and sensitivity can improve quality of care and increase positive outcomes. Cultural variables to be considered will include age, gender, sexual orientation, religious affiliation, language, educational level, physical ability, economic status and social class as well as racial and ethnic backgrounds. This course is intended to provide participants with basic skills to recognize and respect the behavior, ideas, attitudes, values, beliefs, customs, language, rituals, ceremonies and practices characteristic of diverse groups of people. Course design will include definitions and descriptions of culture including concepts of assimilation and acculturation. Exercises will involve self-examination and discussion of the evolution of one's own personal beliefs, values and attitudes.

CSL 2068 | Addictions Counseling Skills
Lecture Credit: 1.5

This class will provide a framework and counseling model for working with clients with substance abuse or dependence. This course will teach the counseling skills needed to help clients process their information and move toward the change process. The models utilized in this class are client-centered, counselor-directed therapy using a motivational style and spirit.

CSL 2069 | Principles of Addiction
Lecture Credit: 1.5

Focuses on the major theories of addiction in an historical and theoretical context. Includes an elaboration on NIDA's Principles of Drug Addiction Treatment. This class meets the principles of addictions training requirement for the Counselor I level of the Colorado Alcohol and Drug Abuse Program.

Criminal Justice (CRJ)

CRJ 1010 | Introduction to Criminal Justice: GT-SS3
Lecture Credit: 3

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

CRJ 1012 | Procedural Criminal Law
Lecture Credit: 3

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.
Prerequisite: CRJ 1010 with a grade of C or better

CRJ 1025 | Policing Systems
Lecture Credit: 3

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

CRJ 1027 | Crime Scene Investigation
Lecture Credit: 3

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

CRJ 1035 | Judicial Function
Lecture Credit: 3

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

CRJ 1045 | Correctional Process
Lecture Credit: 3

Examines the history and total correctional process from law enforcement through the administration of justice, probation, prisons, correctional institutions, and parole. Also examines the principles, theories, phenomena and problems of the crime, society, and the criminal justice system from the perspective of criminology and the criminal justice system in general. Emphasizes the role of sociology and other interdisciplinary approaches to the field of corrections and society's response.

CRJ 1046 | Community Based Corrections
Lecture Credit: 3

Introduces an analysis of community based correctional programs and procedures. Emphasizes the environment and the relationship to public safety, reintegration and punishment.

CRJ 1052 | Sexual Assault
Lecture Credit: 3

Examines sexual assault beginning with definitions and describing the degrees of sexual assault and the penalties and realities of punishment. Covers myths, statistics, services, treatment and prevention. Both the rapist and the adolescent offender are profiled. Emphasizes the pro-active approach with regard to prevention.

CRJ 2001 | Emergency Dispatching
Lecture Credit: 5

Focuses on the unique knowledge, skills and abilities required for working in the Emergency Telecommunications industry. The course will focus on the basics of the emergency communication center, emergency telecommunication technology, caller management, call classification, legal aspects and stress management.

CRJ 2005 | Principles of Criminal Law
Lecture Credit: 3

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

CRJ 2009 | Criminal Investigation I
Lecture Credit: 3

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

CRJ 2010 | Constitutional Law
Lecture Credit: 3

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

CRJ 2025 | Crisis Intervention
Lecture Credit: 3

Exploration of information and application of crisis theories in working with diverse populations. Understanding of the interventionist role with regards to the field of crisis intervention.

CRJ 2030 | Criminology
Lecture Credit: 3

Provides an introduction to the study of crime, understanding the causes of crime, and examines, theoretical frameworks and theories to explain criminal behavior. Within a social context, consideration is given to how theories have emerged and understand how social context contributes to explanations of crime. Examination of the nature of crime, crime victimization, crime patterns, types of crime, crime statistics, and criminal behavior is also included.

CRJ 2031 | Introduction to Forensic Science and Criminalistics
Lecture Credit: 3

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

CRJ 2036 | CRJ Research Methods
Lecture Credit: 3

Provides an introduction to research methods in criminal justice. Addresses foundations of research, analysis of findings, and ethical issues in researching criminal justice issues. This course will use an interactive approach in basic research concepts and practices. Students will obtain a thorough understanding of how research is conducted and how practitioners can benefit from this knowledge. Additionally, students will develop research proposals, conduct appropriate reviews of previously published research, and write a final research study.

CRJ 2045 | Interview and Interrogation
Lecture Credit: 3

Exploration of 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 2057 | Victimology
Lecture Credit: 3

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

CRJ 2075 | Special Topics
Provides students with the ability to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

CRJ 2080 | Internship
Internship Credit: 1-3

Provides placement of the student into the criminal justice field to integrate theory with practice.

Dental Hygiene (DEH)

DEH 1001 | Preclinical Dental Hygiene Lecture
Lecture Credit: 2

Explores basic dental hygiene theory and development of basic skills. Focuses on the application of diagnostic, preventative and therapeutic procedures and includes an introduction to dentistry and dental hygiene, dental and medical terminology, infection control, the removal of tooth deposits, patient medical and dental histories, preventive instruction and treatment planning.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1002 | Preclinical Dental Hygiene Lab
Lab Credit: 3

Focuses on clinical experiences in basic dental hygiene procedures and techniques including basic instrumentation, infection control, and patient assessment skills. Students participate in a variety of clinical learning experiences.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1003 | Dental Anatomy and Histology
Lecture Credit: 3

Focuses on a study of the anatomical and histological features of the teeth and other oral structures of the oral cavity. Includes terminology, anatomical landmarks, and tooth identification. Introduces histology, the embryology of the face and oral and nasal cavities, development of the teeth, and the histological features of the various components of the teeth and surrounding structures.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1004 | Dental Radiology
Lecture Credit: 2 Lab Credit: 1

Introduces principles of x-radiation production and safety factors; application and theory of properly exposing, processing, mounting and evaluating radiographs; identification of normal anatomic landmarks and pathologic conditions. Focuses on utilization of the laboratory in performing procedures necessary to produce quality radiographs.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1005 | Introduction to Dental Hygiene
Lecture Credit: 1

Provides the first year dental hygiene student with the basic knowledge, theory, and skill necessary to advance to subsequent clinical dental hygiene courses. This course includes an introduction to the principles of basic instrument recognition, expected professional and ethical behaviors, HIPAA and FERPA compliance, OSHA standards for infection control, dental software systems, oral hygiene instruction, dental hygiene care planning for the patient, and proper consent form documentation.

Prerequisite: Acceptance into Dental Hygiene Program

DEH 1011 | Dental and Medical Emergencies
Lecture Credit: 2

Introduces the management of emergency situations in the dental office setting. Emphasizes reduction of risk for emergencies, identification and management of anxiety, and stress recognition protocol. Provides practical skills applicable to dental hygienists and the scope of responsibility for medical emergency management as dictated by state dental practice law. Covers the basic categories of emergencies, causes and management. Includes content and use of emergency kits and oxygen support systems.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1022 | Periodontics I
Lecture Credit: 2

Introduces the principles of periodontics. Focuses on recognition of the tissues in health and disease, macro and microanatomy of the periodontium, and histopathology of periodontal diseases and other related gingival conditions. Provides the theory and discussion of periodontal assessment, etiology, epidemiology, inflammatory process/immune response, and the AAP classification system.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1023 | Head & Neck Anatomy
Lecture Credit: 1

Focuses on the study of head and neck anatomy with emphasis on the muscles of mastication, the lymphatics, the TMJ, the nerve and vascular supply, and the oral cavity.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1026 | Dental Materials
Lecture Credit: 1 Lab Credit: 1

Provides the dental hygiene student with a sound knowledge of the science of dental materials. Covers didactic and laboratory experiences and the physical properties, basic chemistry, and the clinical applications of the materials used in the practice of dentistry.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1032 | Applied Pharmacology
Lecture Credit: 2

Covers general pharmacology and reviews drugs that may influence the management of dental hygiene patients. Enables the student to develop sufficient knowledge of pharmacology to permit safe and effective medical evaluation of patients for dental hygiene treatment.

Prerequisite: Acceptance into the Dental Hygiene Program

DEH 1035 | Pain and Anxiety Control for the Dental Hygienist
Lecture Credit: 1 Lab Credit: 1

Covers the theory and practice of pain management and anxiety control as applied to the practice of dentistry and dental hygiene. This course emphasizes mastery of the armamentarium, techniques of local and regional anesthesia, and nitrous oxide/oxygen sedation. This course covers the knowledge and skills necessary to administer local anesthetics and nitrous oxide/oxygen sedation proficiently and safely.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1050 | Dental Lasers: Theory and Practice
Lecture Credit: .5 Lab Credit: .5

Integrates the theory and practice of diode lasers into dental hygiene treatment. Course instruction into the mechanics of lasers followed by hands-on lab experience and ultimate integration into the clinical setting. Students will be laser certified upon completion of the course.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1053 | Clinical Theory of Dental Hygiene I
Lecture Credit: 2

Builds on the broad theoretical basis provided in DEH 101 and DEH 102. Focuses on enhancing patient assessment skills, instrumentation and additional information on preventative and prophylactic clinical procedures.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1070 | Clinical Practice of Dental Hygiene I
Clinical Credit: 4

Provides clinical experience in patient skills assessment, instrumentation and additional preventative and prophylactic clinical procedures.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1071 | Clinical Practice of Dental Hygiene I-A
Clinical Credit: 2

Continues patient care sessions for the performance of traditional dental hygiene treatment. Enables the student to provide treatment to periodontally involved patients utilizing advanced instrumentation and power scaling.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 1075 | Special Topics
Exploration of current topics, issues and activities related to one or more aspects of the named discipline.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

DEH 1085 | Independent Study
Independent Study Credit: 1

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

Prerequisite: Acceptance into the Dental Hygiene Program

DEH 2002 | Applied Nutrition in Dentistry
Lecture Credit: 2

Gives students a fundamental understanding of general nutrition with an emphasis on the interrelationship between nutrition and dental health. Focuses on recognizing nutritional deficiencies and how to conduct and evaluate nutritional surveys on patients.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2004 | Community Dental Health I
Lecture Credit: 2

Course provides instruction in the concepts, methods and issues of dental public health. Emphasis is placed on evidence-based criteria for effective promotion and prevention of dental disease in the public health setting. Concepts of dental health education and program planning in the community setting are reinforced through case based materials, including methods of assessment, planning, implementation and evaluation of effectiveness. Course activities will reinforce skills in speaking and writing effectively in preparation for the subsequent community dental health field experience course.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2013 | General and Oral Pathology
Lecture Credit: 3

Focuses on the fundamentals of general pathology and the disease process. Covers oral pathology with emphasis on recognition and identification of pathologic conditions that most frequently occur around the oral cavity. Helps students identify appropriate referral mechanisms to render a definitive diagnosis.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2021 | Ethics and Practice Management
Lecture Credit: 2

Focuses on the transition from an educational environment to a working dental business. Enables the student to learn management skills of operating a dental office. Emphasizes opportunities for self-exploration in development of personal and professional goals. Examines professional ethics, legal issues, and the relationship to the licensed practice of dental hygiene.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2025 | Community Dental Health II
Lecture Credit: 1

Provides practical application of community dental health theory and opportunities to conduct needs assessments on a variety of populations. Emphasizes meeting the educational needs of specific populations through program planning, implementation and evaluation. Incorporates supervised field experiences in low-income, school and other public facilities as well as private health and education oriented organizations.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2042 | Periodontics II
Lecture Credit: 2

Continues to explore theoretical/clinical preparations with emphasis on dental hygiene process of care, treatment planning, non-surgical treatment, evaluation of treatment, and maintenance needs of the periodontal patient. Develops research and decision making skills with use of library and Internet resources relating to risk factors, etiologic agents, and treatment modalities. Includes comprehensive periodontal assessment, supplemental diagnostics, periodontal pharmacology, and evidence based treatment planning.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2066 | National Boards Review
Lecture Credit: 2

Provides formal review sessions for second year dental hygiene students preparing to sit for the National Board Examination.

Prerequisite: Acceptance into the Dental Hygiene Program

DEH 2068 | Clinical Theory of Dental Hygiene II
Lecture Credit: 2

Provides the didactic theory for clinical practice of dental hygiene skills at the beginning of the second year of dental hygiene curriculum. Builds on clinic theory from first year curriculum to provide the knowledge base needed for treatment of patients with more advanced periodontal disease and medical/health factors. Focuses on: periodontal charting and documentation, interpretation of periodontal factors on radiographs, use of treatment planning in the dental hygiene process of care, legal parameters of record keeping and informed consent, use of oral photography, application of sealants, treatment of dental hypersensitivity, application of chemotherapeutics and professional oral irrigation, application of ergonomics in dentistry, clinical dental hygiene treatment considerations for patients with history of cardiac complications and diabetes.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2070 | Clinical Practice of Dental Hygiene II
Lab Credit: 6

Covers patient care sessions for the performance of traditional dental hygiene treatment. Continues and expands periodontal patient care and special patient care sessions. Focuses on clinical competence in margination and polishing of restorations, nutrition counseling, oral irrigation, chemotherapeutics and OSHA compliance.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2071 | Clinical Practice of Dental Hygiene III
Clinical Credit: 6

Continues patient care session with emphasis on attaining a level of competency and efficiency for successful performance in clinical board exams and private practice. Focuses on clinical skill development in tobacco cessation, product selection, patient communications, curettage and special topics developed patient treatments. Provides elective extra-mural clinical sites for additional practice.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2082 | Periodontics III
Lecture Credit: 1

Course provides comprehensive dental hygiene clinical management techniques for periodontal patients supported by application of basic clinical research sciences. Focus is on the "therapy" component of periodontics including instructional sessions covering the general principles of periodontal surgery, the surgical management of soft tissues and osseous defects, wound healing, implants, and the role of occlusion in periodontal therapy.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 2085 | Clinical Theory of Dental Hygiene III
Lecture Credit: 2

Serves as the capstone course of the final semester of a two-year curriculum. Prepares the student for two major goals: basic competence for transition to provision of dental hygiene services in private practice; and the ability to successfully pass both written National Boards examinations and regional dental hygiene clinical examinations. Emphasizes the application of case based learning. Major topics include: cosmetic bleaching, air powered polishing devices, application of the re-evaluation process in treatment planning for periodontally involved cases, preparation for the CRDTS regional clinical exam process, application of an effective tobacco cessation process, technique and process for gingival curettage, technique and process for amalgam polishing and margination, care of cosmetic dental restorations, and maintenance of implants.

Prerequisite: Acceptance into the Dental Hygiene Program

Note: All Dental Hygiene coursework must be passed with a grade of C or better.

DEH 3001 | Advanced Careers in Dental Hygiene
Lecture Credit: 3

Provides an overview of the career options available to the dental hygienist with an advanced degree. In depth analysis of alternative careers to include: public health systems, dental hygiene education, research, sales and marketing, oral health policy and oral health care delivery systems.

Prerequisite: Acceptance into the Dental Hygiene Program

DEH 3002 | Research Methodologies
Lecture Credit: 3

Develops the skills necessary to identify and develop a research topic, navigate a research database and develop an effective, scientifically sound, and persuasive research paper with specific emphasis on dental and dental hygiene topics.

Prerequisite: Acceptance into the Dental Hygiene Program

DEH 3026 | Oral Health Promotion
Lecture Credit: 3

This course focuses on the assessment of oral health needs and issues of designated populations, recommends strategies to meet those needs along with advanced concepts involving risk reduction, health literacy strategies, and epidemiology.

Prerequisite: Acceptance into the Dental Hygiene Program

DEH 3045 | Advanced Dental Nutrition
Lecture Credit: 3

Examines program planning and evaluation, healthcare policy, and cultural and nutritional issues specific to community nutrition and its relationship to oral health.

Prerequisite: Acceptance into the Dental Hygiene Program

DEH 3047 | Dental Hygiene Business Administration
Lecture Credit: 3

Examines the intricacies of business including accounting, finance, marketing and management with special emphasis on dental and dental hygiene practice issues, business planning and ethical considerations.

Prerequisite: Acceptance into the Dental Hygiene Program

DEH 3055 | Social Issues in Oral Health
Lecture Credit: 3

Evaluates the complexity and interplay of social and physical environmental structures, economic systems, and behavioral patterns that affect overall health with a focus on health services, health beliefs and their impact on health-related behavior choices.
Prerequisite: Acceptance into the Dental Hygiene Program

DEH 3075 | Special Topics
Provides student with a vehicle to pursue in depth exploration of a special topic of interest.
Prerequisite: Acceptance into the Dental Hygiene Program
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

DEH 3087 | Leadership & Administration
Lecture Credit: 3

Examines the skills needed for leadership roles in public health, community health, education, business and industry with emphasis on leadership theories and application.
Prerequisite: Acceptance into the Dental Hygiene Program

DEH 4002 | Diversity and Cultural Competence Research: Relationship to the Delivery of Oral Health
Lecture Credit: 3

Examines knowledge, beliefs, and behaviors that influence healthcare choices and become barriers to healthcare services by creating cultural competence with a positive effect on patient care delivery and acceptance of treatment.
Prerequisite: Acceptance into the Dental Hygiene Program

DEH 4012 | Teaching Strategies and Methods for the Dental Hygiene Educator
Lecture Credit: 3

This course focuses on preparation of the dental hygiene instructor/oral health promoter for a successful teaching experience in the classroom, clinic, or community setting. Major themes include applying teaching methodologies, psychomotor learning theories, feedback techniques and motivational strategies to direct learning
Prerequisite: Acceptance into the Dental Hygiene Program

DEH 4075 | Special Topics
Provides student with a vehicle to pursue in-depth exploration of a special topic of interest.
Prerequisite: Acceptance into the Dental Hygiene Program
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

DEH 4081 | Internship I
Internship Credit: 2

Applies community program planning experiences in a community health setting with oral health promotion and delivery through direct work experience.
Prerequisite: Acceptance into the Dental Hygiene Program

DEH 4082 | Internship II
Internship Credit: 2

Applies community program planning experiences in a community health setting with oral health promotion and delivery through direct work experience as a continuation of Public Health Internship I.
Prerequisite: Acceptance into the Dental Hygiene Program and DEH 4081 with a grade of C or better

Early Childhood Education (ECE)

ECE 1008 | The Assessment Process in Early Childhood Education
Lecture Credit: 1

Focuses on exposing students to a wide variety of screening tools and evaluations appropriate for children birth to eight years of age. Enables students to gain beginning knowledge in the selection of developmental screening tools and evaluations important to the IFSP/IEP.

ECE 1011 | Introduction to Early Childhood Education
Lecture Credit: 3

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

ECE 1031 | Guidance Strategies for Young Children
Lecture Credit: 3

Provides an exploration of guidance theories, techniques, and practices used to support young children's ability to learn and engage in prosocial interactions with peers and adults. This course covers factors that influence children's behaviors, as well as aspects of early childhood educator professionalism related to ethical and equitable guidance practice. This course addresses children ages birth through 8 years.
Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

ECE 1045 | Introduction to Early Childhood Education Techniques
Lecture/Lab Credit: 3

Focuses on a classroom seminar and placement in a child care setting. The supervised placement provides the student with the opportunity to observe children, to practice appropriate interactions, and to develop effective guidance and management techniques. Addresses ages birth through age 8.
Prerequisite: ECE 1011 and ECE 1031 with a grade of C or better
Corequisite: ECE 1011 and ECE 1031
Note: A background check will be required for this course.

ECE 1088 | Practicum: Early Childhood Education
Practicum Credit: 0-12

Provides students with field experience in early childhood programs.
Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011
Note: A background check will be required for this course.

ECE 1111 | Infant and Toddler Theory and Practice
Lecture Credit: 3

Presents an overview of development and care pertinent to infant and toddler children, ages birth to three years, in early childhood settings. The course includes information on state requirements for regulating health, safety, and nutrition practices in early childhood settings, and on indicators of quality care for infants and toddlers.
Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

ECE 1125 | Introduction to Infant/Toddler Lab Techniques
Lecture Credit: 3

Includes a classroom seminar and placement in an infant and\or toddler setting. The supervised placement provides the student with the opportunity to observe, to practice appropriate interactions and to develop effective guidance and nurturing techniques with infants and\or toddlers. Addresses ages prenatal through age 2.
Prerequisite: ECE 1111 and ECE 1011 with a grade of C or better
Corequisite: ECE 1111 and ECE 1011

ECE 2051 | Nutrition, Health and Safety
Lecture Credit: 3

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

Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

ECE 2061 | Observing and Utilizing Young Children's Assessment Instruments
Lecture Credit: 1

Examines the current research on the continuous practice of observing children. Incorporates practice with a variety of assessment instruments currently utilized in Colorado ECE programs.

Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

ECE 2075 | Special Topics
Explores current topics, issues and activities related to one or more aspects of the early childhood care and education profession.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ECE 2088 | Practicum: Early Childhood Education
Practicum Credit: 3

Provides students with advanced field experience opportunities in early childhood education programs.

Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

Note: This class will be offered in the spring semester only.

ECE 2101 | Working with Parents, Families, and Community Systems
Lecture Credit: 3

Examines personal attitudes regarding families, family values systems, and how personal attitudes affect parent-professional partnerships in the early childhood education program. This course covers communication, problem-solving, and conflict resolution strategies. Effective activities and resources to support family involvement in the classroom will be created. This course addresses children ages birth through 8 years.

Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

ECE 2365 | Child Growth/Development Laboratory
Lab Credit: 1

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

Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

ECE 2381 | ECE Child Growth and Development
Lecture Credit: 3

Covers the growth and development of the child from conception through the elementary school years. This course emphasizes physical, cognitive, language, social, and emotional domains of development as they pertain to the concept of the whole child. It also includes ways adults can provide a supportive early childhood care and educational environment through teamwork and collaboration.

Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

Note: This course has an early childhood laboratory component.

ECE 2401 | Administration of Early Childhood Care and Education Programs
Lecture Credit: 3

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

Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

ECE 2411 | Administration:Human Relations for Early Childhood Education
Lecture Credit: 3

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

Prerequisite: ECE 1011 with a grade of C or better
Corequisite: ECE 1011

ECE 2601 | The Exceptional Child
Lecture Credit: 3

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

Prerequisite: ECE 1011 and ECE 2381 with a grade of C or better
Corequisite: ECE 1011 and ECE 2381

ECE 2621 | ECE Curriculum Development: Methods and Techniques
Lecture Credit: 3

Provides an overview of early childhood curriculum development. This course includes processes for planning and implementing developmentally appropriate environments, materials, and experiences that represent best practices in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

Prerequisite: ECE 1011 and ECE 2381 with a grade of C or better
Corequisite: ECE 1011 and ECE 2381

ECE 2641 | Creativity and the Young Child
Lecture Credit: 3

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

Prerequisite: ECE 1011 and ECE 2381 with a grade of C or better
Corequisite: ECE 1011 and ECE 2381

ECE 2651 | Language and Literacy
Lecture Credit: 3

Presents strategies for optimum language development, literacy, social and emotional development. Supports children's language and literacy in home, classroom, and community settings. Provides appropriate teacher/child verbal interactions, classroom environments, and activities. Addresses ages birth through age 8.

Prerequisite: ECE 1011 and ECE 2381 with a grade of C or better
Corequisite: ECE 1011 and ECE 2381

Economics (ECO)

ECO 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ECO 2001 | Principles of Macroeconomics: GT-SS1
Lecture Credit: 3

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

ECO 2002 | Principles of Microeconomics: GT-SS1
Lecture Credit: 3

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

ECO 2045 | Environmental Economics: GT-SS1
Lecture Credit: 3

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

Education (EDU)

EDU 1087 | Cooperative Education
Practicum Credit: 1-6

Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor works with the student to select an appropriate work site, establish learning objectives and to coordinate learning activities with the employer or work site supervisor.

EDU 1088 | Practicum I
Practicum Credit: 4

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

EDU 2088 | Practicum II
Practicum Credit: 0-12

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.

Corequisite: EDU 2211

EDU 2089 | Capstone
Lecture Credit: 0-12

Focuses on a demonstrated culmination of learning within a given program of study.

EDU 2211 | Introduction to Education
Lecture Credit: 3

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

Prerequisite: College readiness in English
Corequisite: EDU 2088

Note: EDU 2088 is not offered at CCD. Please see your advisor for more information.

EDU 2221 | Effective Teaching
Lecture Credit: 1

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

EDU 2301 | Literacy Instructional Techniques
Lecture Credit: 4

Provides students with more knowledge of instructional techniques in the teaching of language, reading, and writing. Introduces students to the phases of literacy development and explores the best practices in literacy instruction for grades K-6. Accommodating the needs of learners with special needs, including learning disabilities or second language considerations, are also covered. Theory and practical classroom applications methods are emphasized.

EDU 2331 | English Language Learning (K-6)
Lecture Credit: 3

Prepares teachers who work with limited English proficient students to learn strategies to develop English language learners (ELLs) social and academic English and supports their transition to US culture and schools. This course is appropriate in a variety of program models: mainstream classrooms, self-contained ESL classrooms, and bilingual programs and may be adapted for use with preschool teachers.

EDU 2341 | Multicultural Education
Lecture Credit: 3

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

EDU 2401 | Teaching the Exceptional Learners
Lecture Credit: 3

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

Prerequisite: PSY 2441 with a grade of C or better

EDU 2501 | CTE in Colorado
Lecture Credit: 1

Explores common elements of Career and Technical Education 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, the Colorado Technical Act, 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 2601 | Adult Learning and Teaching
Lecture Credit: 3

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

EDU 2611 | Teaching, Learning and Technology
Lecture Credit: 3

Prepares students to integrate technology into their teaching curriculum. Enables the student 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.

Engineering (EGG)

EGG 1030 | Robotics Design
Lab Credit: 1

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

EGG 1050 | Engineering Data Analysis
Lab Credit: 1

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

Prerequisite: MAT 1340 or higher, with a grade of C or better

EGG 1051 | Experimental Design
Lab Credit: 2

Introduces the student to the design and construction of scientific and engineering experiments. Includes the entire life cycle of the experiment, from design, to construction, to analysis of data and communication of final results.

Prerequisite: MAT 1340 or higher, with a grade of C or better

EGG 1060 | Introduction to Engineering Computing
Lecture Credit: 4

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

Corequisite: MAT 2410 or higher

EGG 2011 | Engr Mechanics I - Statics
Lecture Credit: 3

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

Prerequisite: MAT 2410 with a grade of C or better
Corequisite: PHY 2111

EGG 2012 | Engineering Mechanics II (Dynamics)
Lecture Credit: 3

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

Prerequisite: EGG 2011 with a grade of C or better

EGG 2020 | Thermodynamics
Lecture Credit: 3

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

Prerequisite: PHY 2111 and MAT 2410 or higher with a grade of C or better

EGG 2030 | Mechanics of Solids
Lecture Credit: 3

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

Prerequisite: EGG 2011 with a grade of C or better

Engineering Graphics Technology (EGT)

EGT 1110 | IDEA: Introduction to Design and Engineering Applications
Lecture/Lab Credit: 3

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

Prerequisite: MAT 1340 or higher with a grade of C or better

EGT 2080 | Internship
Internship Credit: 6

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: Chair approval

EGT 2089 | Capstone
Lecture Credit: 0-12

A demonstrated culmination of learning within a given program of study.

Prerequisite: Chair approval

EGT 2303 | Applied Dimension & Tolerance
Lecture/Lab Credit: 3

Focuses on industrial dimensioning practices, enables the student to develop skills in dimensioning techniques and learn to apply the ASME Y14.5 dimensioning standard.

Prerequisite: CAD 1101 with a grade of C or better, or instructor permission

EGT 2305 | Geometric Dimension and Tolerance
Lecture/Lab Credit: 3

Focuses on interpreting and applying geometric dimensioning and tolerancing (GDT) in machining or drafting per the ASME Y14.5 specification. Demonstrate and distinguish GDT through math formulas, tolerancing systems, modifiers, symbols, datums, and tolerances of form, profile, orientation, run-out and location. Students examine and interpret the generation of a working drawing, and how they are developed as a team effort between design, drafting, manufacturing and quality control.

Prerequisite: CAD 1100 or MAC 1002 or EGT 1101 with a grade of C or better

Note: CCD does not offer CAD 1100. Please see your advisor for more information.

English (ENG)

ENG 0077 | Special Topics
Exploration of current topics, issues and activities related to one or more aspects of the named discipline.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ENG 0090 | Composition & Reading
Lecture Credit: 3

Integrates and contextualizes college level reading and writing.

ENG 0094 | Studio 1021
Lecture Credit: 3

Integrates and contextualizes reading and writing strategies tailored to co-requisite ENG 1021 coursework.

Corequisite: ENG 1021

ENG 0095 | Studio 1021 for Multilingual Learners
Lecture Credit: 3

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

Corequisite: ENG 1021

ENG 1021 | English Composition I: GT-CO1
Lecture Credit: 3

Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a wide variety of compositions that stress analytical, evaluative, and persuasive/argumentative writing.The Colorado Commission on Higher Education has approved ENG 1021 for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT- CO1 category.

Prerequisite: College readiness in English

ENG 1022 | English Composition II: GT-CO2
Lecture Credit: 3

Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or argumentative compositions. The Colorado Commission on Higher Education has approved ENG 1022 for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT - CO2 category.

Prerequisite: ENG 1021 or ENG 1031 with a grade of C or better

ENG 1031 | Technical Writing I: GT-CO1
Lecture Credit: 3

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

Prerequisite: College readiness in English

ENG 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ENG 2001 | English Composition III: GT-CO3
Lecture Credit: 3

Provides the skills necessary to enter into higher-level undergraduate academic discourse or professional workplace writing. This course extends rhetorical knowledge and develops critical reading, thinking, and writing strategies in multiple specialized areas of discourse beyond what is encountered in previous composition courses. Guaranteed Transfer (GT) Pathways Course Statement: The Colorado Commission on Higher Education has approved ENG 2001 for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT- CO3 category.

Prerequisite: ENG 1022 with a grade of C or better

ENG 2021 | Creative Writing I GT-AH1
Lecture Credit: 3

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

ENG 2022 | Creative Writing II
Lecture Credit: 3

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

ENG 2026 | Fiction Writing
Lecture Credit: 3

Provides techniques for analyzing and writing fiction, including the study of form and technique with an emphasis on the writing process.

ENG 2027 | Poetry Writing
Lecture Credit: 3

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

ENG 2030 | Creative Nonfiction
Lecture Credit: 3

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.

ENG 2031 | Literary Magazine
Lecture Credit: 3

Covers the production of a literary magazine through skill building and collaboration. This course introduces the editorial process involved in preparing a literary magazine for publication, including soliciting submissions; selecting material for publication (fiction, nonfiction, poetry, visual art, and other genres, such as drama); preparing a manuscript for publication, including design, layout, and pre-press production; and marketing the final product.

ENG 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

ENG 2085 | Independent Study
Independent Study Credit: 0-12

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

Environmental Science (ENV)

ENV 1010 | Natural Disasters: GT-SC2
Lecture Credit: 3

Introduces different types of natural hazards, their causes, effects, and what can be done to reduce the risks to human populations. Scientific advances related to understanding, predicting, and preparing for natural disasters are discussed. This course also covers anthropogenic changes to Earth systems, which may be increasing the frequency and severity of these events. This is a statewide Guaranteed Transfer course in the GT-SC2 category.

ENV 1111 | Environmental Science with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Provides an introduction to the basic concepts of ecology and the relationship between environmental problems and biological systems. Includes interdisciplinary discussions on biology, chemistry, geology, energy, natural resources, pollution, and environmental protection. Using a holistic approach, students will study how the foundations of natural sciences interconnect with the environment. This course includes laboratory experience. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: College Readiness in English and Quantitative Literacy Math

ENV 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

Emergency Medical Service (EMS)

EMS 1021 | EMT Fundamentals
Lecture Credit: 1.5 Lab Credit: 1.5

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

EMS 1022 | EMT Medical Emergencies
Lecture Credit: 2 Lab Credit: 2

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

Prerequisite: EMS 1021 with a grade of C or better
Corequisite: EMS 1021

EMS 1023 | EMT Trauma Emergencies
Lecture Credit: 1 Lab Credit: 1

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

Prerequisite: EMS 1021 with a grade of C or better
Corequisite: EMS 1021

EMS 1024 | EMT Special Considerations
Lecture Credit: 1 Lab Credit: 1

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

Prerequisite: EMS 1021 with a grade of C or better
Corequisite: EMS 1021

EMS 1070 | EMT Clinical
Clinical Credit: 1

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

Prerequisite: EMS 1021 with a grade of C or better
Corequisite: EMS 1021

Ethnic Studies (ETH)

ETH 2000 | Introduction to Ethnic Studies: GT-SS3
Lecture Credit: 3

Introduces the issues of race and ethnicity through the exploration of four major groups in the United States. This course explores issues of race and identity, racism and discrimination, stereotyping, prejudice, segregation, colonialism, integration, and acculturation pertaining to Americans of African, Asian, Latino, and Indigenous descent, as well as additional ethnic identities. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

French (FRE)

FRE 1001 | Conversational French I
Lecture Credit: 3

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 1002 | Conversational French II
Lecture Credit: 3

Continues the sequence for beginning students who wish to understand and speak French. Covers basic conversational patterns, expressions, and grammar.

FRE 1011 | French Language I
Lecture Credit: 5

Develops students' interpretive, interpersonal, and presentational communicative abilities in the language. Integrates these skills in the cultural contexts in which the language is used. Offers a foundation in the analysis of culture.

FRE 1012 | French Language II
Lecture Credit: 5

Expands students' interpretive, interpersonal, and presentational communicative abilities in the language across the disciplines. Integrates these skills with the study of the cultures in which the language is used. Offers a foundation in the analysis of culture and develops intercultural communicative strategies.

Prerequisite: FRE 1011 with a grade of C or better

FRE 2011 | French Language III: GT-AH4
Lecture Credit: 3

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.~~This course is one of the Statewide Guaranteed Transfer courses. GT-AH4

Prerequisite: FRE 1012 with a grade of C or better

FRE 2012 | French Language IV: GT-AH4
Lecture Credit: 3

Continues French 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.~~This course is one of the Statewide Guaranteed Transfer courses. GT-AH4

Prerequisite: FRE 2011 with a grade of C or better

FRE 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

FRE 2085 | Independent Study
Independent Study Credit: 0-12

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

Geography (GEO)

GEO 1005 | World Regional Geography: GT-SS2
Lecture Credit: 3

Examines the spatial distribution of environmental and societal phenomena in the world's regions; environmental phenomena may include topography, climate, and natural resources; societal phenomena may include patterns of population and settlement, religion, ethnicity, language, and economic development. Analyzes the characteristics that define world regions and distinguish them from each other. Examines the relationships between physical environments and human societies. Examines globalization, emphasizing the geopolitical and economic relationships between more developed and less developed regions. This course is one of the Statewide Guaranteed Transfer courses. GT-SS2

GEO 1006 | Human Geography: GT-SS2
Lecture Credit: 3

Introduces students to geographic perspectives and methods in the study of human societies by examining the spatial characteristics of populations, language, religion, ethnicity, politics, and economics. Examines the relationships between physical environments and human societies. This course is one of the Statewide Guaranteed Transfer courses. GT-SS2

GEO 1007 | Physical Geography
Lecture Credit: 3

Focuses on the study of the spatial relationship between humans and the natural environment. Five main themes are addressed: the atmosphere (weather and climate); the hydrosphere (water bodies and rivers); the lithosphere (Earth's crust and landforms); the biosphere (soil, plant, and animal relationships); and the impact of the human population on these environmental factors. This course is recommended for students interested in environmental studies, earth science, and geography.

GEO 1011 | Physical Geography: Landforms with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Introduces students to the principles of Earth's physical processes, emphasizing landforms, soils, and hydrology. Examines the formation and distribution of landforms, such as mountains, valleys, and deserts, and their shaping by fluvial and other processes. The course incorporates an integrated process of lectures, discussion, and laboratory assignments. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

GEO 1012 | Physical Geography - Weather and Climate with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Introduces the principles of meteorology, climatology, world vegetation patterns, and world regional climate classification. The course includes investigating the geographic factors which influence climate such as topography, location, elevation, winds, and latitude. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

GEO 1060 | Global Climate Change: GT-SC2
Lecture Credit: 3

Presents global climate change from an Earth science perspective including paleoclimatology, atmospheric science, vegetation, fluvial systems, and oceanic circulation. This course analyzes observed and predicted impacts of climate change on the world's terrestrial regions. This course examines interrelationships among economy, society, public policy, and geographic variation in greenhouse gas emissions at national and regional scales. This course also discusses efforts to mitigate climate change and its causes and/or adaptations to global climate change. This is a statewide Guaranteed Transfer course in the GT-SC2 category.

GEO 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

Geology (GEY)

GEY 1034 | Oil and Gas Geology
Lecture Credit: 1

Introduces basic concepts of oil and gas geology including associated rock types, hydrocarbon formation mechanisms, stratigraphic relationships, permeability, and various types of traps. Oil and gas exploration and production methods are also covered. Examples from within Colorado are given.

GEY 1075 | Special Topics
Presents an overview of the special topic including one aspect of the earth and its history as recorded in rocks and rock formations. May include current changes and impact of historical events and exploration of current topics, issues and activities related to one or more aspects of the named discipline.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

GEY 1108 | Geology of National Parks GT-SC2
Lecture Credit: 3

Explores significant geologic features and the processes that create them using examples and case studies from the U.S. National Park System. Weathering and erosional landforms, caves and reefs, coasts, glaciers, volcanoes, and complex mountains are discussed. Fundamental geologic concepts including plate tectonics, deep time, and rock classification are introduced and incorporated throughout the course. This course is part of the Guaranteed Statewide Transfer courses. GT:SC2.

Prerequisite: College Readiness in English and Quantitative Literacy Math

GEY 1111 | Physical Geology with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Encompasses the materials of the earth, its structure, surface features and the geologic processes involved in its development. This course includes laboratory experience. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: College Readiness in English and Quantitative Literacy Math

GEY 1112 | Historical Geology with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Covers 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. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: GEY 1111 with a grade of C or better

GEY 1135 | Environmental Geology with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Introduces the subject of geology as it relates to human activities. Geologic hazards such as floods, landslides, earthquakes, and volcanoes are investigated. Mineral, energy, soil, and water resources are discussed in terms of their geologic formation and identification, usage by society, and associated environmental impacts. Land use issues, waste, and pollution are also examined. This course is part of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: College Readiness in English and Quantitative Literacy Math

German (GER)

GER 1011 | German Language I
Lecture Credit: 5

Develops students' interpretive, interpersonal, and presentational communicative abilities in the language. Integrates these skills in the cultural contexts in which the language is used. Offers a foundation in the analysis of culture.

GER 1012 | German Language II
Lecture Credit: 5

Expands students' interpretive, interpersonal, and presentational communicative abilities in the language across the disciplines. Integrates these skills with the study of the cultures in which the language is used. Offers a foundation in the analysis of culture and develops intercultural communicative strategies.

Prerequisite: GER 1011 with a grade of C or better

Health And Wellness (HWE)

HWE 1050 | Human Nutrition
Lecture Credit: 3

Introduces basic principles of nutrition with emphasis on personal nutrition. Satisfies nutrition requirement of students entering health care professions.

HWE 1054 | Applied Nutrition to Whole Food Cooking
Lecture Credit: 3

Encompasses the principles of Human Nutrition and applies the concepts to whole food cooking and disease prevention. Students will learn "hands on" whole food cooking principles and preparation methods for a variety of healthy food choices. Course includes knife and food safety, food costing, vocabulary, food preservation, menu planning and shopping for different dietary restrictions and disease populations. Prevention of chronic disease and obesity through good nutrition and healthy eating are foundations for this course.

HWE 1061 | Fitness and Wellness
Lecture Credit: 2

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 1068 | Certified Personal Trainer Preparatory Course
Lecture/Lab Credit: 3

Provides knowledge and skills to prepare for a nationally recognized personal training certification. The course includes the development and implementation of exercise programs for healthy populations, and for individuals with medical clearance to exercise.

HWE 1080 | Internship
Internship Credit: 1

To be determines by the individual instructor. A course description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style guide for Course Description, Required Course Learning Outcomes, and Topical Outline Guidelines.

Health Professions (HPR)

HPR 1000 | Introduction to Health
Lecture Credit: 3

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

HPR 1002 | Health Career Opt & Readiness
Lecture Credit: 1

Discusses current market trends in the medical profession, professional opportunities, continuing education, and professional affiliations. Discussions regarding resumes, portfolios, letters of inquiry, and interviewing techniques, as well as job search information is provided. This course is primarily informational and provides information to the student about aspect of career choices.

HPR 1006 | Customer Service in Healthcare
Lecture Credit: 2

Introduces students to customer service theory and techniques specifically in the healthcare arena. This course will discuss therapeutic communication, conflict resolution and negotiation, as well as employee/employer relations. Exploration of diverse populations and cultural sensitivity will be addressed.

HPR 1008 | Law & Ethics for Health Prof
Lecture Credit: 2

Introduces student to the study and application medico-legal concepts in medical careers. This course seeks to establish a foundation for ethical behavior and decision making in health professions.

HPR 1011 | CPR for Professionals
Lecture Credit: 0.5

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

HPR 1020 | Phlebotomy
Lecture Credit: 2 Lab Credit: 2

Teaches the duties associated with the practice of venipuncture, capillary puncture, and special collection procedures. Students will have experience with quality control, infection control and safety procedures as well as laboratory computer systems. Students successfully completing this course may apply for a National Phlebotomy Registry Examination.

HPR 1036 | Human Diseases
Lecture Credit: 4

Covers basic knowledge of the deviations that occur in the human body with disease and injury. An integrated study of signs/symptoms, diagnostic tests and treatment.

HPR 1038 | Introduction to Medical Terminology
Lecture Credit: 1

Introduces the structure of medical terms with emphasis on using and combining the most common prefixes, roots, and suffixes. This course includes terms related to major body systems and provides accepted pronunciation of terms.

HPR 1039 | Medical Terminology
Lecture Credit: 2

Discusses the structure of medical terms with emphasis on using and combining prefixes, roots and suffixes. This class includes terms related to major body systems, oncology, and psychiatry, as well as clinical laboratory and diagnostic procedures and imaging, and provides accepted pronunciation and spelling of terms used in the healthcare setting.

HPR 1050 | Basic EKG Interpretation
Lecture/Lab Credit: 2

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

HPR 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

HPR 1080 | Internship
Internship Credit: 3

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.

HPR 1085 | Independent Study
Independent Study Credit: 0-12

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

HPR 3001 | Communication in Health Care
Lecture Credit: 3

Develops professional written and oral communication plans to ensure effective patient-centered outcomes between health care professionals, patients and caregivers.
Prerequisite: College Readiness in English

HPR 4011 | Leadership and Management in Health Professions
Lecture Credit: 3

Provides a general overview of the concepts and theories relative to leadership and management in health care settings. This course covers concepts in decision-making models, ethical reasoning skills, effective communication, interpersonal and inter-professional relationships, management of human and fiscal resources, risk management, and quality improvement.
Prerequisite: College Readiness in English

HealthCare Informatics (HCI)

HCI 3000 | Health Care Systems and Organizations
Lecture Credit: 3

Provides an overview of the healthcare delivery system at the national, state, and local level. This course covers healthcare education, including applicable regulations and standards, reimbursement methods, and evolution of current trends in healthcare delivery.
Prerequisite: College Readiness in English

HCI 3005 | Healthcare Coding and Records
Lecture Credit: 3

Presents medical coding and records from the perspective of the non-coding professional. This course focuses on coding systems, coded data utilization, coding, and reimbursement. Additionally, this course discusses information governance, legal and policy frameworks, and ethical coding standards.
Prerequisite: HPR 1039 with a grade of C or better, and College Readiness in English

HCI 3010 | Healthcare Information Technology and Electronic Health Records
Lecture Credit: 3

Covers Information Technology (IT) principles as they relate to the health care environment including hardware, networking, and security features. This course focuses on Electronic Health Records (EHR) concepts and practices in relation to health care workflow and utilization.
Prerequisite: CIS 1018 with a grade of C or better

HCI 3011 | Health Information Systems Management
Lecture Credit: 3

Covers major concepts, systems, and methodologies in managing health care information systems. This course focuses on concepts of health care data quality, health care information, and the associated regulations, laws, and standards. This course covers clinical information systems, systems acquisition, implementation, support, and security of health care information systems.
Prerequisite: HCI 3010 with a grade of C or better and College Readiness in English

HCI 4000 | Epidemiology and Biostatistics
Lecture Credit: 4

Covers epidemiological and biostatistical principles, concepts, and procedures for the surveillance and investigation of health-related states or events. This course focuses on data collection and disease prevalence analysis for effective medical decision-making. Additionally, it covers sources of information, associations between diseases and etiological factors, and statistical representations of findings.
Prerequisite: MAT 1260 and BIO 1016 with a grade of C or better

HCI 4005 | Programming for Health Informatics
Lecture/Lab Credit: 3

Builds on previous programming and statistical course work to grow in data analysis skills. The course covers the application of programming skills to prepare, process, and visualize healthcare data. Data cleaning, arrangement, and visualization are emphasized.
Prerequisite: MAT 1260 and CSC 1019 and CIS 2040 with a grade of C or better

COURSES

HCI 4006 | Analytics for Healthcare
Lecture Credit: 3

Provides the foundational skills in healthcare data analytics. This course covers data-mining concepts, techniques, and applications to improve healthcare performance quality. Additionally, this course covers effective communication of analytic findings to specific audiences.

Prerequisite: CIS 2040 and HCI 4005 with a grade of C or better

HCI 4015 | Legal and Ethical Issues in Health Informatics
Lecture Credit: 3

Covers concepts and principles of law and regulations in the healthcare field. The course focuses on legal issues regarding health information, including confidentiality, release of health information, consent forms, liability of healthcare providers, concepts and methods of risk management in the healthcare field, and other current medical/legal issues.

Prerequisite: College Readiness in English

HCI 4020 | Healthcare Quality Management
Lecture Credit: 3

Focuses on the fundamentals of quality management, performance improvement, and patient safety.

Prerequisite: MAT 1260 and HCI 3011 with a grade of C or better

HCI 4025 | Project Management for Technology in Healthcare
Lecture Credit: 3

Introduces the concepts of project management for technology-based projects within healthcare contexts. This course focuses on the tools and techniques for project management, change management, and stakeholder communication for project-oriented tasks.

Prerequisite: HCI 3000 and HCI 3010 with a grade of C or better and College Readiness in Quantitative Literacy Math

HCI 4030 | Research Methodology in Healthcare
Lecture Credit: 3

Covers the fundamentals of research and program evaluation in a healthcare setting. This course covers qualitative and quantitative research methods, healthcare specific methodologies, and ethical considerations in healthcare research.

Prerequisite: HCI 4000 with a grade of C or better

HCI 4080 | Internship
Internship Credit: 3

Provides student 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: HCI 3010 and HCI 3011 and HCI 4000 and HCI 4005 and HCI 4006 and HCI 4020 with a grade of C or better
Corequisite: HCI 4025 and HCI 4030

HCI 4089 | Capstone
Lecture Credit: 2

Provides a demonstrated culmination of learning within a given program of study.

Prerequisite: HCI 3010 and HCI 3011 and HCI 4000 and HCI 4005 and HCI 4006 and HCI 4020 with a grade of C or better
Corequisite: HCI 4025 and HCI 4030

History (HIS)

HIS 1075 | Special Topics
Focuses on the exploration of current topics, issues and activities related to one or more aspects of history.

Prerequisite: College Readiness in English

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

HIS 1110 | The World: Antiquity-1500: GT-HI1
Lecture Credit: 3

Explores a number of peoples, groups, ideas, institutions, and trends that have shaped World History from the prehistoric era to 1500. Reflects the multiple perspectives of gender, class, religion, and ethnic groups in a broad global sense. Focuses on the common denominators among all people. This approach goes beyond political borders to provide a better appreciation for different cultures. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 1120 | The World: 1500-Present: GT-HI1
Lecture Credit: 3

Explores a number of peoples, groups, ideas, institutions, and trends that have shaped World History from 1500 to the present. Reflects the multiple perspectives of gender, class, religion, and ethnic groups in a broad global sense. Focuses on the common denominators among all people. This approach goes beyond political borders to provide a better appreciation for different cultures. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 1210 | U.S. History to Reconstruction: GT-HI1
Lecture Credit: 3

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. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 1220 | U.S. History Since the Civil War: GT-HI1
Lecture Credit: 3

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 course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 1310 | Western Civilization: Antiquity-1650: GT-HI1
Lecture Credit: 3

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 this discipline. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 1320 | Western Civilization: 1650-Present: GT-HI1
Lecture Credit: 3

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 course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2005 | Women in World History: GT-HI1
Lecture Credit: 3

Examines the roles, experiences, and contributions of women in world history and explores ways in which women's history modifies the traditional interpretations of historical events. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2015 | 20th Century World History: GT-HI1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2075 | Special Topics
Focuses on the exploration of current topics, issues and activities related to one or more aspects of history.

Prerequisite: College Readiness in English

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

HIS 2085 | Independent Study
Independent Study Credit: 0-12

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

Prerequisite: College Readiness in English

HIS 2105 | Women in U.S. History: GT-HI1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2110 | African American History: GT-HI1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2117 | History of American Presidency
Lecture Credit: 3

Examines the growth and development of the U.S. presidency from the origins of the office until the present day. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline.

Prerequisite: College Readiness in English

HIS 2120 | US Foreign Relations History: GT-HI1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2130 | History of American West: GT-HI1
Lecture Credit: 3

Traces the history of the American West, from the Native American cultures and the frontier experiences of America's earliest, eastern settlers, through the Trans-Mississippi West, across the great exploratory and wagon trails, and up to the present West, be it urban, ranching, reservation, resource management, or industrial. Emphasizes the north and central parts of the West. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2135 | Colorado History: GT-HI1
Lecture Credit: 3

Presents the story of the people, society, and cultures of Colorado from its earliest Native Americans, through the Spanish influx, the explorers, the fur traders and mountain men, the gold rush, railroad builders, the cattlemen and farmers, the silver boom, the tourists, and the modern state. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2140 | Civil War Era in American History: GT-HI1
Lecture Credit: 3

Explores the causes, course, and consequences of the American Civil War, from the Colonial period to the 21st Century, in order to understand the multiple meanings of a transforming event in American history. Students will explore the meanings of the war as defined in many ways: national, sectional, racial, gender, constitutional, individual, social, intellectual, or moral. Students will closely examine four broad themes: the crisis of union and disunion in an expanding republic; slavery, race, and emancipation as national problem, personal experience, and social process; the experience of modern, total war for individuals and society; and the political and social challenges of Reconstruction. This course is one of the Statewide Guaranteed transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2145 | US History Since 1945: GT-HI1
Lecture Credit: 3

Focuses on the major political, economic, social, and cultural developments that have shaped modern America from 1945 to the present. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2147 | Cold War Era in World History
Lecture Credit: 3

Examines the Cold War as a political, ideological, economic, and military contest on global scale.

Prerequisite: College Readiness in English

HIS 2160 | The Sixties in America
Lecture Credit: 3

Explores the political, social, and cultural history of 1960s America.

Prerequisite: College Readiness in English

HIS 2200 | History of Latin America: GT-HI1
Lecture Credit: 3

Focuses on the major political, economic, social, and cultural influences that have shaped Latin America from pre-European conquest to the present. Emphasizes the early history of Latin America but connects it to the present. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2210 | History Of Mexico: GT - HI1
Lecture Credit: 3

Focuses on the major political, economic, social, and cultural developments of Mexico from Pre-Columbian times to the present. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite: College Readiness in English

HIS 2300 | The Middle Ages: GT-HI1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2500 | History of Islamic Civilization: GT-HI1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2510 | Modern Middle East: GT-HI1
Lecture Credit: 3

Explores the political, economic, social and cultural development of the Middle East from the late Ottoman Empire to the present. Focuses upon the influences of Islam and Western ideas, diplomacy, and economic involvement upon institutions and ideas of modern Middle Eastern society, while exploring the perspectives of gender, class, race, and ethnicity. Also focuses upon developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

HIS 2610 | History of Modern China: GT-HI1
Lecture Credit: 3

This course traces the political, ideological, economic, religious, social, and cultural developments of modern China from the Qing dynasty through the political and economic revolutions of the 20th century. This course is one of the Statewide Guaranteed Transfer courses. GT-HI1

Prerequisite: College Readiness in English

Honors (HNR)

HNR 1000 | Honors Seminar
Lecture/Lab Credit: 1

Develops skills in an interdisciplinary manner, including: self-efficacy, college success, interdisciplinary connections, critical and creative thinking. A primary goal is to develop a sense of community within the class. This course increases awareness of issues relating to diversity and leadership, and explores techniques for successful honors academic performance.

Prerequisite: Applied and accepted into STEM Engaged Scholars

HNR 2089 | Capstone- Honors
Independent Study Credit: 1-4

Provides a demonstrated culmination of learning within a given program of study.

Prerequisite: HNR 1000 with a grade of C or better

Human Services (HSE)

HSE 1005 | Introduction to Social Welfare
Lecture Credit: 3

Examines the historical and philosophical background of statutes, ideologies, political process, policy making, decision rules and influential leaders who have had an impact on shaping the social welfare institutions in the United States.

HSE 1006 | Survey of Human Services
Lecture Credit: 3

Provides a philosophical, political, statutory and contemporary overview of the role, values, knowledge and intervention strategies encountered by human service professionals in addressing social problems.

HSE 1007 | Interviewing Principles
Lecture Credit: 3

Provides a beginning level of information on theoretical concepts, primary principles, strategies and interventions implemented in the practice and delivery of human services to individuals and families using the human services interview.

Prerequisite: HSE 1006 with a grade of C or better
Corequisite: HSE 1008 or HSE 2009

HSE 1008 | Introduction to Therapeutic Systems
Lecture Credit: 3

Introduces basic concept of major therapeutic systems, including backgrounds. Developmental theories and practices of specific systems from psychoanalysis to reality therapy.

Prerequisite: HSE 1006 with a grade of C or better
Corequisite: HSE 1007

HSE 1088 | Human Services Practicum I
Practicum Credit: 4

Provides experience in various service agencies to familiarize students with agency work. Emphasizes developing observational skills, individual growth in self-awareness, interviewing skills, introduction to agencies and client systems. A weekly classroom seminar complements the agency experience.

Prerequisite: HSE 1007 and HSE 1008 with a grade of C or better

Note: This class will be offered in the fall semester only. 150 additional service learning hours required.

HSE 2005 | Human Services for Groups
Lecture Credit: 3

Introduces the concepts, principles, goals and skills of group work as a method of providing human services. Emphasis is on basic practice skills and intervention techniques.

Corequisite: HSE 1007

Note: This class will be offered in the fall semester only.

HSE 2006 | Human Services for Families
Lecture Credit: 3

Introduces family theory and practice. Covers such topics as systems theory, communications theories, structure therapists, developmental theory and future directions in family therapy research.

Corequisite: HSE 1007

Note: This class will be offered in the spring semester only.

HSE 2007 | Community Organization
Lecture Credit: 3

Examines the theory and practice of organizing communities, neighborhoods, committees and advisory boards as they relate to the social services delivery system.

Prerequisite: HSE 1007 and HSE 1008 with a grade of C or better

Note: This class will be offered in the spring semester only.

HSE 2026 | Case Management for Human Services Practitioners
Lecture Credit: 3

Introduces an advanced program of study incorporating the theory and practice strategies of case management utilizing the specialist model approach.

Prerequisite: HSE 1006 with a grade of C or better

Note: This class will be offered in the fall semester only.

HSE 2075 | Special Topics
This course provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: HSE 1088 with a grade of C or better

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

HSE 2085 | Independent Study
Independent Study Credit: 0-12

Provides students the opportunity to pursue advanced topics and projects in the human services discipline utilizing standard research strategies that may include field studies.

HSE 2088 | Human Services Practicum II
Practicum Credit: 4

Provides placement in a service agency where the student applies the values, concepts and skills gained in theory courses to the actual process of helping people. Emphasis is on sharpening skills and knowledge, use of self in the helping process, understanding systems and use of community resources.

Prerequisite: HSE 1088 with a grade of C or better

Note: This class will be offered in the spring semester only. 150 additional service learning hours required.

Humanities (HUM)

HUM 1003 | Introduction to Film Art: GT-AH2
Lecture Credit: 3

Studies the relationships among film's stylistic systems, narrative systems and audience reception. Students view, discuss and critically analyze a variety of films which represent a variety of genres and themes. The course incorporates the vocabulary of stylistic systems (for instance, cinematography and editing) and narrative systems (for instance, story structure and character motivation) as both relate to the kinds of meanings a film conveys. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

HUM 1015 | World Mythology: GT-AH2
Lecture Credit: 3

Introduces students to a multidisciplinary approach to world mythology. Common themes are illustrated and connected to religion, philosophy, art, literature, music, and contemporary culture. In addition, students will study various ways of interpreting myth. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

HUM 1020 | The Cultural History of Rock and Roll
Lecture Credit: 3

Teaches students to read about, write about, and discuss the social history of that very broad term, rock and roll. We explore important themes in American (and British) social and cultural history through the study of popular music, as well as to examine how popular and critical tastes are reflections of artistic, cultural, sexual, economic and ideological sensibilities at the time of its production. In order to fully understand what the culture of rock is all about, we critically analyze the influence of technology, ideology, class, gender, and race on various genres of music: jazz, country, rhythm and blues, techno, heavy metal, and hip hop. We also examine how rock and roll influenced (and is influenced by) other arts, particularly literature and film. Emphasis is placed on understanding the social and cultural contexts of the various music forms rather than on a rigorous understanding of the musical forms themselves.

HUM 1021 | Humanities: Early Civilization: GT-AH2
Lecture Credit: 3

Introduces students to the history of ideas that have defined cultures through a study of the visual arts, literature, drama, music, and philosophy. It emphasizes connections among the arts, values, and diverse cultures, including European and non-European, from the Ancient world to 1000 C.E. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

HUM 1022 | Humanities: Medieval-Modern: GT-AH2
Lecture Credit: 3

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. Any two of the three Survey of Humanities courses equal a sequence. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

HUM 1023 | Humanities: Modern World: GT-AH2
Lecture Credit: 3

Examines the cultures of the 17th through the 20th centuries by focusing on the interrelationships of the arts, ideas, and history. Considers the influences of industrialism, scientific development and non-European peoples. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

HUM 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

HUM 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

HUM 2085 | Independent Study
Independent Study Credit: 0-12

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

Journalism (JOU)

JOU 1005 | Introduction to Mass Media: GT-SS3
Lecture Credit: 3

Places the mass media in an historical and cultural perspective, considering the validity, integrity and influence of the media in a democracy. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

JOU 1006 | Media News and Reporting
Lecture Credit: 3

Introduces news writing, reporting and interviewing with an emphasis on clarity, accuracy, completeness, timeliness and fairness.

JOU 1021 | Photojournalism
Lecture Credit: 3

Develops photojournalistic skills in capturing moments of real life from a unique personal viewpoint. Covers a broad overview of new media story-telling techniques. Students will focus on the way they observe the world around them and on the content and quality of their photographs. Recommended course to take in advance: Digital Photography I

JOU 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

JOU 2015 | Publications Production and Design
Lecture Credit: 3

Provides for students participation in the planning, writing, design and production processes of a non-newspaper publication.

JOU 2025 | New Media
Lecture Credit: 3

Explores techniques and approaches in the latest delivery methods for internet-based journalism. Students explore digital media outlets such as blogs, audio and video podcasts, e-zines and social networks. Students create journalistic pieces for internet-based media, focusing on best journalistic practices, ethics of internet media, and technology emergence effecting digital journalism. Concepts in video production, photography, writing, sourcing, editing and relevant skills necessary for the citizen journalist are introduced. Students create components for online news dissemination.

JOU 2031 | Introduction to Public Relations
Lecture Credit: 3

Focuses on public relations and its role for the individual, the non-profit organization, business and government; research methodology, principles and practices necessary to become a public relations practitioner; and media channels best suited to a persuasive appeal or crisis.

JOU 2041 | Feature and Magazine Writing
Lecture Credit: 3

Studies trade, consumer and technical markets; manuscript development with emphasis on nonfiction; submission techniques; and trends affecting the marketing of manuscripts.

JOU 2080 | Internship
Internship Credit: 1-6

Provides a structured and guided, individualized research that is organized and tailored around the interests and needs of the individual student who may use journalism skills and experiences acquired during previous coursework.

JOU 2085 | Independent Study
Independent Study Credit: 0-12

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

Literature (LIT)

LIT 1015 | Introduction to Literature I: GT-AH2
Lecture Credit: 3

Introduces students to fiction, poetry, and drama. Emphasizes active and responsive reading. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 1026 | Study of Poetry
Lecture Credit: 3

Focuses on careful reading and interpretation of various poems representing types and periods of poetry. It examines formal as well as thematic elements of poetry. Critical thinking, discussion, and writing about poetry will enhance perceptive reading skills and heighten awareness of the human condition.

LIT 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

LIT 2001 | World Literature to 1600: GT-AH2
Lecture Credit: 3

Examines significant writings in world literature from the ancients through the Renaissance. Emphasizes careful readings and understanding of the works and their cultural backgrounds. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 2002 | World Literature After 1600: GT-AH2
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 2005 | Race, Ethnicity, and Culture in U.S. Literature: GT-AH2
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 2011 | American Literature to Civil War: GT-AH2
Lecture Credit: 3

Provides 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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 2012 | American Literature After Civil War: GT-AH2
Lecture Credit: 3

Provides an overview of American literature from the mid-nineteenth century to the present. It explores ideas, historical and social contexts, themes and literary characteristics of works in various genres by major writers. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 2025 | Introduction to Shakespeare: GT-AH2
Lecture Credit: 3

Explores a selection of works by William Shakespeare. It 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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 2035 | Science Fiction
Lecture Credit: 3

Examines the techniques and issues of science fiction through a close reading a variety of writers in the genre.

LIT 2046 | Literature of Women: GT-AH2
Lecture Credit: 3

Examines the techniques and themes in literature by and about women by examining women`s issues form various genres. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 2055 | Children`s Literature: GT-AH2
Lecture Credit: 3

Examines the criteria for selecting appropriate literature for children. Explores literature through a variety of genres, age levels, values taught through literature, and literary and artistic qualities of various texts. This is a statewide Guaranteed Transfer course in the GT-AH2 category.

LIT 2058 | Latinx Literature: GT-AH2
Lecture Credit: 3

Examines the cultural, historical, and social contexts impacting Latinx identities through critical reading and analysis. This course focuses on significant works, including poetry, drama, and/or fiction, by Latinx authors.

LIT 2059 | Survey of African American Literature: GT-AH2
Lecture Credit: 3

Examines African American literature from 1750 to the present, exploring ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers. This course is one of the Statewide Guaranteed Transfer courses. GT-AH2

LIT 2067 | The Bible as Literature
Lecture Credit: 3

Introduces the Bible as the textual centerpiece of Western literature. Students will encounter the various literary genres represented in Biblical texts, the process of canonization, ways in which the Bible has been read by its various interpretive communities, and some impacts of the Bible in such areas as law, poetry, fiction, psychology, ethics, and theology.

LIT 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

LIT 2085 | Independent Study
Independent Study Credit: 0-12

Explores particular authors, topics, themes in depth, such as Ibsen, Faulkner or Twain, or great fiction of the nineteenth century

Machine Technologies (MAC)

MAC 1000 | Machine Shop Safety
Lecture Credit: 1

Covers the hazards of a machine shop including health and safety, locating essential safety information from a code or other standard, location and use of safety and emergency equipment, and identifying and applying shop safety procedures.

MAC 1001 | Introduction to Machine Shop
Lecture/Lab Credit: 3

Covers safety procedures, use of bench tools, layout tools, power saws, drill presses, precision measurement tools, and various hand tools related to the machine shop. Also included are sharpening drill bits and general purpose turning tools for the lathe and determining speeds and feeds for both the lathe and the milling machine.

MAC 1002 | Print Reading for Machinists
Lecture Credit: 3

Instructs students in reading and understanding industrial prints. This course covers basic drafting and print standards, fundamentals of shape description, fundamentals of size description and annotation, industrial drawing types, and specialized parts and prints. Symbol interpretation, tolerancing and dimensioning standards are also covered.

MAC 1010 | Introduction to Engine Lathe
Lecture/Lab Credit: 3

Introduces basic lathe applications which will consist of identifying lathe components and controls, understanding turning safety, calculating speeds, and feeds, using various tools and tool holders, identifying basic tool geometry, and the use of common lathe spindle tooling. Students will perform basic lathe operations, which will consist of facing, center-drilling, chuck turning, turning between centers, boring, grooving, tapers, knurling, and single point threading. Students will be required to produce specified parts to a tolerance of +/- .004 inches and perform competencies set by manufacturing standards.

MAC 1011 | Intermediate Engine Lathe
Lecture/Lab Credit: 3

Teaches students to prepare single point external and internal unified screw threads to a Class 3 fit, generate angles with the compound rest within one degree, ream holes concentric within .001 inches, determine cutting speeds, and perform facing and turning operations.

MAC 1020 | Introduction to Milling Machine
Lecture/Lab Credit: 3

Teaches students to identify the major parts of the vertical mill, align a vise, use an indicator, edge finder, and boring head, determine speeds and feeds perform simple indexing, mill flat, square surfaces and slots, drill, bore, and tap holes, and work within a plus or minus .002 inch tolerance.

MAC 1021 | Intermediate Milling Machine
Lecture/Lab Credit: 3

Prepares students to determine hole locations by coordinates and degrees, use a rotary table, use a jig bore to drill holes by the coordinate method, and work within plus or minus .001 inch tolerance.

MAC 1041 | Advanced Machining Operations
Lecture/Lab Credit: 4

Provides the student the use of various conventional machine tools used in a machine shop environment. The use of engine lathes, horizontal and vertical milling machines, surface grinders, drill presses, pedestal grinders, power cut-off saws and other machine tools commonly used to produce quality machined parts in today ¿s manufacturing environments. Machining competencies will stressed and students will be required to produce parts manufactured by local manufacturing companies with the consideration of ISO quality standards.

MAC 1045 | Production Manufacturing Concepts
Lecture/Lab Credit: 3

Familiarizes the student to concepts related to manufacturing environments. Topics will consist of, but not be limited to Material Identification, Shop Floor Management, Just-In Time Manufacturing, Kan-Ban Systems, Statistical Quality Control, Total Quality Management. Various lectures and demonstrations of these processes will be delivered. Students may be required to re-search, explore, and report on particular manufacturing processes or topics.

MAC 1078 | Machining Workshop
Lab Credit: 1-6

Provides students with an experiential learning opportunity.

MAC 2001 | Introduction to CNC Turning Operations
Lecture/Lab Credit: 3

Covers computer numerical control (CNC) lathe operations, control functions, the letter address system, the program format, and machine setup. G & M codes, control functions, the letter address system, and math issues related to CNC are included. This class is NOT offered on an open-entry, open-exit basis.

MAC 2002 | CNC Turning Operations II
Lecture/Lab Credit: 3

Prepares students to write basic computer numerical control (CNC) lathe part programs. G and M codes, math related to CNC, setups, speeds and feeds, straight turning, spherical turning, threading, chamfering, tapering, drilling, tapping, boring, and grooving will be covered. Cutter compensations, sub-programming techniques, repetitive cycles, and both absolute and incremental will be incorporated into programs. Students will also proof and edit the programs to make them valid. This class is NOT offered on an open-entry, open-exit basis.

MAC 2003 | Introduction to CNC Operations
Lecture/Lab Credit: 6

Introduces basic writing and editing of CNC programs. G&M codes, math, speeds feeds, production processes including basic process controls, simple fixturing, and documentation associated with manufacturing will be covered.

MAC 2005 | Introduction to CNC Milling Operations
Lecture/Lab Credit: 3

Provides transitional information between conventional machining applications and the typical applications found in Computer Numerical Control Machining. Topics may consist of Numerical Control Systems, The Cartesian Coordinate System, High Efficiency Tooling Applications, Objectives of Numerical Control, Calculating Speed and Feed Rates, Defining and Calculating Tool Motion, Fixturing Requirements, Basic Program Structure, Programming Codes, and Basic Conversational Programming. Operations of NC machines will be required.

MAC 2006 | CNC Milling Operations II
Lecture/Lab Credit: 3

Exposes the student to the principle operations of both vertical and horizontal CNC milling machines via lecture instruction methods, multi-media instruction methods, and manufacturing hands-on methods. The student will be exposed to the basic CNC machining center, principle operations, manual controls, programming methods, tool-offsets, G54-G59 work offsets, cutter radius compensation and tool selection methods. General operator skills and basic setup skills will be stressed.

MAC 2040 | CAD/CAM 2D
Lecture/Lab Credit: 3

Provides the student with the essential concepts and techniques that are required to successfully create part geometry, generate tool path, verify tool path models, and post process the NC codes. The student will be exposed to a 2-axis machining, 3-axis machining wire frame and surface modeling, lathe programming, and DNC systems. Programming projects and models will be demonstrated in the CNC manufacturing lab.

MAC 2045 | CAD/CAM 3D
Lecture/Lab Credit: 3

Covers both the production and surfacing of three-dimensional geometry in a self-paced setting. Issues will be covered related to the production of wire frames, solids, surfaces, the joining of surfaces, joining of solids, managing construction planes, sweeping, rotating, and controlling parameter settings. A familiarity with Mastercam, CNC programming techniques, and CNC operations is recommended.

MAC 2050 | Advanced Inspection Techniques
Lecture/Lab Credit: 3

Exposes the student to the principles of dimensional metrology. Students will learn how to use common measuring instruments relating to state-of-the-art manufacturing environments. Students will also learn the importance of Quality Control, TQM, and SPC processes as they relate to manufacturing environments. Use of a coordinate measuring machine will be delivered.

MAC 2051 | Introduction to Wire EDM
Lecture/Lab Credit: 2

Covers the basic operation and theory of the Computer Numerical Controlled wire Electrical Discharge Machine (the CNC wire EDM machine).

MAC 2052 | Practical Metallurgy
Lecture/Lab Credit: 3

Offers a study of metallurgical terms and definitions in an effort to understand both the behavior of metals and their service to industry. Characteristics during heating, cooling, shaping, forming, and the stresses related to their mechanical properties are covered. The theory behind the alloys, heat treatment processes, and the impact they have on strength, toughness, hardness, elasticity, ductility, malleability, wear resistance and fatigue resistances is investigated.

MAC 2053 | Wire EDM Operation
Lecture/Lab Credit: 3

Covers the preparation, operation, and maintenance the Computer Numerical Controlled wire Electric Discharge Machine (the CNC wire EDM machine).

MAC 2057 | Wire EDM Programming
Lecture/Lab Credit: 3

Covers how to create a G language program (G-code) for a Computer Numerical Controlled wire Electrical Discharge Machine (CNC wire EDM Machine) using Computer-aided Design and Computer-aided Manufacturing (CAD/CAM) software.

MAC 2059 | Introduction to the 5-Axis Milling Machine
Lecture/Lab Credit: 2

Covers knowledge, basic operation and theory of the 5-axis milling machine.

MAC 2060 | 5-Axis Milling Machine Operation
Lecture/Lab Credit: 3

Covers preparation, operation and maintenance of the 5-axis milling machine.

MAC 2061 | 5-Axis Milling Machine Programming
Lecture/Lab Credit: 3

Covers how to create a 5-axis milling machine program using Computer-aided Design and Computer-aided Manufacturing (CAD/CAM) software.

MAC 2062 | Introduction to Multi-Axis Lathe
Lecture/Lab Credit: 2

Covers basic operation and theory of the multi-axis lathe.

MAC 2063 | Multi-Axis Lathe Operation
Lecture/Lab Credit: 3

Covers preparation, operation and maintenance for the multi-axis lathe.

MAC 2064 | Multi-Axis Lathe Programming
Lecture/Lab Credit: 3

Covers the creation of a Multi-axis lathe program using Computer-aided Design and Computer-aided Manufacturing (CAD/CAM) software.

MAC 2078 | Machining Workshop
Lab Credit: 3

Provides students with an experiential learning opportunity.

MAC 2080 | Machining Internship
Internship Credit: 3

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.

Management (MAN)

MAN 1005 | Logistics Management
Lecture Credit: 3

Introduces the fundamental facets of logistics in supply chain management utilizing a systems approach to: manage activities associated with traffic, logistical support, regulations, transportation, inventory management and control, warehousing, packaging, order processing, and materials handling.

MAN 1016 | Principles of Supervision
Lecture Credit: 3

Studies the principles and techniques of supervising and motivating personnel. This course is designed for students who are interested in supervising others or for those currently in supervision. Course content focuses on the human interaction in supervision.

MAN 1028 | Human Relations in Organizations
Lecture Credit: 3

Explores the importance of effective communication in our personal lives as well as in the world of business. Practical business applications such as employee motivation, handling customer complaints, and effectively resolving conflict in the workplace will be a major part of the curriculum.

MAN 1060 | Entrepreneurship
Lecture Credit: 3

Teaches entrepreneurs planning skills from business concept development to the actual development of a comprehensive business plan. This practical approach includes one-on-one counseling with the instructor and professional volunteer counselors. Guest speakers are an integral part of the course. Topics include marketing strategies and tactics, profitability, human resource management, financial management and projections, innovations, and loan negotiations.

MAN 1075 | Special Topics
Provides students with a vehicle to pursue special topics of interest in business. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

MAN 2000 | Human Resources Management I
Lecture Credit: 3

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 2016 | Small Business Management
Lecture Credit: 3

Examines the elements necessary for the successful formation of a new small business. It is also designed to enhance the skills of those already involved in the operation of a small business. The course includes the development of a complete small business plan.

MAN 2024 | Leadership
Lecture Credit: 3

Focuses on the leadership skills necessary to bring about change in an organization. Students learn to develop and communicate a shared vision, to empower employees, to manage conflict, to negotiate, and to develop organizations so that all are working toward common goals.

MAN 2025 | Managerial Finance
Lecture Credit: 3

Examines the concepts and techniques used to analyze financial accounting information for managerial planning, decision-making and control. The focus of the course is on decision-making relating to the areas of budgets, forecasts, cost volume production, ROI and financial statements.

MAN 2026 | Principles of Management
Lecture Credit: 3

Presents a survey of the principles of management. Emphasis is on the primary functions of planning, organizing, leading and controlling with a balance between the behavioral and operational approach.

MAN 2041 | Project Management in Organizations
Lecture Credit: 3

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 2042 | Project Management Tools and Techniques
Lecture Credit: 3

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.

Manufacturing Technology (MTE)

MTE 1101 | Introduction to Manufacturing
Lecture Credit: 3

Gives students a broad understanding of manufacturing and the role of the manufacturing technician. Students learn how manufacturing is important to Colorado and the U.S. Topics covered include manufacturing concepts, principles, and processes, cost elements, tools and techniques, safety, current trends and manufacturing in the future.

MTE 1200 | Manufacturing Processes
Lecture Credit: 3

Provides the student an overview of the different methods, tools and machines which are used to manufacture industrial and consumer products.

MTE 1220 | Lean Manufacturing - Practices & Processes
Lecture Credit: 3

Provides a study of the Toyota Production System (TPS), also known as Lean Manufacturing, Just-in- Time (JIT), Demand Flow, or Build-to-Order. The course covers the build-to-forecast batch-process method and compares it with TPS. The students study and develop in the lab the following TPS concepts/methods: customer expectations, seven fundamental wastes, plan-do-check-act cycle, kanban system and kanban types, material flow, group technology, manufacturing cells, point-of-use storage and support, and setup/changeover time reduction. This course also covers application of the following problem solving tools: flowchart, cause-and-effect diagram, check sheet, pareto chart, root cause analysis, statistical process control. Students investigate the basics of high-mix, low-volume manufacturing.

Prerequisite: MAT 1140 or higher, with a grade of C or better

MTE 2076 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: Chair approval

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

MTE 2310 | Design for Manufacturability
Lecture Credit: 3

Provides students with an understanding on how to design a product for test, assembly, service, rebuild/reuse/recycle, postponement and several other product attributes. The student learns the role and development of design specifications, the importance and benefits of DFM, the design rules and their application, the design/manufacturing integration, the concept of designed-in quality, the role of design tolerances, the need for standard part use and the application and importance of concurrent engineering practices. In addition the student learns the application of tools CAD, CAM, CAB, PDMS and CIM in product development.

Prerequisite: MAC 1002 or MTE 1200 with a grade of C or better

Marketing (MAR)

MAR 1011 | Principles of Sales
Lecture Credit: 3

Enables the student 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 1017 | Principles of Retailing
Lecture Credit: 3

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 1060 | Customer Service
Lecture Credit: 3

Enables students to learn the relationship of self to customers, problem solve and understand the importance of communicating with customers. Specific emphasis is given to managing customer expectations by building customer rapport and creating positive outcomes.

MAR 2016 | Principles of Marketing
Lecture Credit: 3

Presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to businesses and the individual consumer.

MAR 2020 | Principles of Advertising
Lecture Credit: 3

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 2040 | International Marketing
Lecture Credit: 3

Enables the student to explore the international marketing for U.S. products, and to explore the increasing competitive international environment and recent changes in the environment that have challenged U.S. business. The course is designed to make the reader an "informed observer" of the global market place as well as enabling him/her to develop skills to make marketing decisions in a global context.

Mathematics (MAT)

MAT 0120 | Math for Clinical Calculations Support
Lecture Credit: 1

Supports skill development necessary for success within Math for Clinical Calculations.

Corequisite: MAT 1120

Note: This course is taught as a Supplemental Academic Instruction (SAI) course.

MAT 0140 | Career Math Support
Lecture Credit: 1

Supports skill development necessary for success within Career Math.

Corequisite: MAT 1140

Note: This course is taught as a Supplemental Academic Instruction (SAI) course.

MAT 0150 | Technical Mathematics Support
Lecture Credit: 1

Supports skill development necessary for success within Technical Mathematics.

Corequisite: MAT 1150

Note: This course is taught as a Supplemental Academic Instruction (SAI) course.

MAT 0220 | Integrated Math I Support
Lecture Credit: 1

Supports skill development necessary for success within#Integrated Math I.

Corequisite: MAT 1220

Note: This course is taught as a Supplemental Academic Instruction (SAI) course.

MAT 0240 | Mathematics for Liberal Arts Support
Lecture Credit: 2

Supports skill development necessary for success within Math for Liberal Arts.

Corequisite: MAT 1240

Note: This course is taught as a Supplemental Academic Instruction (SAI) course.

MAT 0250 | Quantitative Literacy
Lecture Credit: 4

Develops number sense and critical thinking strategies, introduce algebraic thinking, and connect mathematics to real world applications. Topics in the course include ratios, proportions, percents, measurement, linear relationships, properties of exponents, polynomials, factoring, and math learning strategies. This course prepares students for Math for Liberal Arts, Statistics, Integrated Math, and college level career math courses.

MAT 0260 | Introduction to Statistics Support
Lecture Credit: 2

Supports skill development necessary for success within Introduction to Statistics.

Corequisite: MAT 0260

MAT 0300 | Algebraic Literacy
Lecture Credit: 4

Develops algebraic skills necessary for manipulating expressions and solving equations. Topics in the course include radicals, complex numbers, polynomials, factoring, rational expressions, quadratic equations, absolute value equations, systems of linear equations in two variables, related applications, and linear inequalities. This course prepares students for College Algebra and Finite Math.

MAT 0320 | Finite Mathematics Support
Lecture Credit: 2

Supports skill development necessary for success within Finite Mathematics.

Corequisite: MAT 1320

MAT 0340 | College Algebra Support
Lecture Credit: 2

Supports skill development necessary for success within College Algebra.

Corequisite: MAT 1340

MAT 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

MAT 1085 | Independent Study
Independent Study Credit: 0-12

Provides an opportunity for the highly-motivated student to engage in intensive study and research on a specified topic under direction of a faculty member

MAT 1120 | Math for Clinical Calculations
Lecture Credit: 3

Covers the mathematical calculations needed for enteral and parenteral medication administration. It is designed for students in the health disciplines. Topics include measurements, conversion between various systems of measurements, and methods of solving problems related to drug dosage and medication administration.

Prerequisite: MAT 0250 or MAT 0300 with a grade of C or better, or appropriate placement scores

MAT 1140 | Career Math
Lecture Credit: 3

Covers material designed for career and technical students who need to study particular mathematical topics. Topics include measurement, algebra, geometry, statistics, and graphs. These are presented at an introductory level and the emphasis is on applications.

Prerequisite: MAT 0250 or MAT 0300 with a grade of C or better, or appropriate placement scores

MAT 1150 | Technical Mathematics
Lecture Credit: 4

Covers mathematical material designed for career and technical students. Topics include measurement, algebra, geometry, trigonometry, and vectors. These are presented at an introductory level and the emphasis is on applications.

Prerequisite: MAT 0250 or MAT 0300 with a grade of C or better, or appropriate placement scores

MAT 1160 | Financial Mathematics
Lecture Credit: 3

Covers the fundamentals of financial mathematics. Topics include pricing, taxes, insurance, interest, annuities, amortization, and investments.

Prerequisite: MAT 0250 or MAT 0300 with a grade of C or better, or appropriate placement scores

MAT 1220 | Integrated Math I: GT-MA1
Lecture Credit: 3

Engages students in the concepts underlying elementary level mathematics. The course emphasizes critical thinking and applications. Topics include the structure of number systems, an analysis of numerical operations, set properties, numerical and geometric patterns, and a variety of problem solving skills. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 0250 or MAT 0300 with a grade of C or better, or appropriate placement scores

Note: This course is designed for students who are seeking an A.A. degree with an emphasis in education.

MAT 1230 | Integrated Math II: GT-MA1
Lecture Credit: 3

Engages students in the concepts underlying elementary level mathematics. The course emphasizes critical thinking and applications. Topics include probability, statistics, measurement, Euclidean geometry, and algebraic methods. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 0250 or MAT 0300 with a grade of C or better, or appropriate placement scores

Note: This course is designed for students who are seeking an AA degree with an emphasis in education.

MAT 1240 | Math for Liberal Arts: GT-MA1
Lecture Credit: 4

Highlights connections between mathematics and the society in which we live and is intended for liberal arts majors. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 0250 or MAT 0300 with a grade of C or better, or appropriate placement scores

MAT 1260 | Intro to Statistics: GT-MA1
Lecture Credit: 3

Introduces descriptive and inferential statistics, with an emphasis on critical thinking and statistical literacy. Topics include methods of data collection, presentation and summarization, introduction to probability concepts and distributions, and statistical inference of one and two populations. This course uses real world data to illustrate applications of a practical nature. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 0250 or MAT 0300 with a grade of C or better, or appropriate placement scores

MAT 1320 | Finite Mathematics: GT-MA1
Lecture Credit: 4

Covers topics including functions, matrix algebra, linear programming, and an introduction to probability and counting techniques. Emphasis is on applications. This course may include other topics such as statistics when time permits. This course is primarily intended for business, life science, or social science majors. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 0300 with a grade of C or better, or appropriate placement scores

MAT 1340 | College Algebra: GT-MA1
Lecture Credit: 4

Focuses on a variety of functions and the exploration of their graphs. Topics include: equations and inequalities, operations on functions, exponential and logarithmic functions, linear and non-linear systems, and an introduction to conic sections. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 0300 with a grade of C or better, or appropriate placement scores

MAT 1400 | Survey of Calculus: GT-MA1
Lecture Credit: 4

Includes derivatives, integrals, and their applications, with attention restricted to algebraic, exponential, and logarithmic functions for business, life science and/or social science majors. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 1340 with a grade of C or better, or appropriate test scores

Note: This class is for business students, not science/engineering students.

MAT 1420 | College Trigonometry: GT-MA1
Lecture Credit: 3

Explores trigonometric functions, their graphs, inverse functions and identities. Topics include: trigonometric equations, solutions of triangles, trigonometric form of complex numbers, and polar coordinates. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 1340 with a grade of C or better, or appropriate test scores

MAT 1440 | Pre-Calculus: GT-MA1
Lecture Credit: 5

Extends algebraic concepts and explores the subject of trigonometry. Topics include: polynomial, rational, logarithmic, and exponential functions, trigonometric and inverse trigonometric functions and their graphs, trigonometric identities, and applications. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 1340 with a grade of C or better, or appropriate test scores

MAT 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

MAT 2085 | Independent Study
Independent Study Credit: 0-12

Provides an opportunity for the highly-motivated student to engage in intensive study and research on a specified topic under direction of a faculty member

MAT 2410 | Calculus I: GT-MA1
Lecture Credit: 5

Introduces single variable calculus and analytic geometry. It includes limits, continuity, derivatives, and applications of derivatives as well as indefinite and definite integrals and some applications. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 1420 or MAT 1440 with a grade of C or better, or appropriate test scores

MAT 2420 | Calculus II: GT-MA1
Lecture Credit: 5

Continues the study of single variable calculus which will include techniques of integration, analytic geometry, improper integrals, convergence of infinite numerical series and power series. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 2410 with a grade of C or better

MAT 2430 | Calculus III: GT-MA1
Lecture Credit: 4

Focuses the traditional subject matter of the Calculus. Topics include vectors, vector-valued functions, and multivariable calculus including partial derivatives, multiple integrals, line integrals and application. This course is on of the Statewide Guaranteed Transfer courses. GT-MA1

Prerequisite: MAT 2420 with a grade of C or better

MAT 2431 | Calculus III with Engineer Applications: GT-MA1
Lecture Credit: 5

Focuses on the traditional subject matter of multivariable Calculus with an additional emphasis on word problems and problem solving. Topics include vectors, vector-valued functions, partial derivatives, analytic geometry, multiple integrals, line integrals, Stokes', Divergence Theorems and Green's Theorems, and applications. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite: MAT 2420 with a grade of C or better

MAT 2540 | Linear Algebra
Lecture Credit: 3

Explores vector spaces, matrices, linear transformations, matrix representation, eigenvalues, and eigenvectors.

Prerequisite: MAT 2420 with a grade of C or better

MAT 2560 | Differential Equations: GT-MA1
Lecture Credit: 3

Explores techniques of problem solving and applications. Topics include first, second, and higher order differential equations, series methods, approximations, systems of differential equations, and Laplace transforms. This course is one of the Statewide Guaranteed Transfer courses. GT-MA1

Prerequisite: MAT 2420 with a grade of C or better

MAT 2562 | Differential Equations with Linear Algebra
Lecture Credit: 4

Explores ordinary differential equations with an introduction to select topics in linear algebra. Course covers first and second order differential equations, series solutions, Laplace transforms, linear algebra, eigenvalues, first order systems of equations, and numerical techniques for solving differential equations.

Prerequisite: MAT 2420 with a grade of C or better

Medical Assisting Professional (MAP)

MAP 1010 | Medical Office Administration
Lecture Credit: 4

Introduces the administrative duties specifically used in medical offices.

MAP 1020 | Medical Office Financial Management
Lecture Credit: 4

Covers the practical uses of accounts and records with emphasis on accounting principles and analysis for use in a medical office. Introduces outpatient coding with an ultimate goal to present a clear picture of medical procedures and services performed (CPT codes), correlating the diagnosis, symptom, complaint or condition (ICD codes), thus establishing the medical necessity required for third-party reimbursement.

MAP 1050 | Pharmacology for Medical Assistants
Lecture/Lab Credit: 3

Provides an overview of pharmacology language, abbreviations, systems of measurement and conversions. The Controlled Substances Act, prescriptions, forms of medications, patient care applications, drug classifications/interactions, and safety in drug therapy and patient care are presented. Information regarding the measurement of medications, dosage calculations, routes of administration, and commonly prescribed drugs in the medical office is provided.

MAP 1083 | Medical Assistant Internship
Internship Credit: 4

Provides supervised placement in contracted facility for guided experience in application of knowledge and skill acquired in the classroom. The student assists with a variety of business and clinical procedures. Positions are non-paid. Student must have permission by program coordinator to begin internship.

Prerequisite: Permission of department chair

MAP 2038 | Medical Assisting Laboratory
Lecture/Lab Credit: 4

Introduces the student to basic routine laboratory skills and techniques for collection, handling, and examination of laboratory specimens often encountered in the ambulatory care setting.

Prerequisite: Permission of department chair

MAP 2040 | Medical Assisting Clinical Skills
Lecture/Lab Credit: 4

Provides hands on experience with clinical skills required in medical offices. Delivers theory and skills presentations allowing for students to properly demonstrate techniques for a variety of medical needs.

Prerequisite: Permission of department chair

MAP 2069 | Review for Medical Assistant National Exam
Lecture Credit: 1

Prepares the candidate sitting for the National Registration/Certification examination for Medical Assistant through review and practice. These examinations are given with the intent of evaluating the competency of entry-level practitioners in Medical Assisting, supporting quality care in the office or clinic.

Medical Office Technology (MOT)

MOT 1060 | Introduction to ICD-9 Coding
Lecture Credit: 2

Covers how to use the ICD-9-CM coding system for insurance claims. The course will introduce student to using the HCFA 1500 form generated from the physician's office.

MOT 1084 | Administrative Internship
Internship Credit: 1

Provides supervised placement in a contracted facility for guided experience and application of knowledge and skill acquired in the classroom. The student assists with a variety of business and billing procedures. Positions are non-paid. Student must have permission by program coordinator to begin internship.

Multimedia Graphic Design (MGD)

MGD 1001 | Introduction to Computer Graphics
Lecture/Lab Credit: 3

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 1011 | Adobe Photoshop I
Lecture/Lab Credit: 3

Concentrates on the high-end capabilities of Adobe Photoshop as an illustration, design and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics and videos. Course competencies and outline follow those set out by the Adobe Certified Associate exam in Visual Communication using Adobe Photoshop.

MGD 1012 | Adobe Illustrator I
Lecture/Lab Credit: 3

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.

MGD 1013 | Adobe InDesign
Lecture/Lab Credit: 3

Introduces students to InDesign, a page layout program which integrates seamlessly with other Adobe design programs. InDesign delivers creative freedom and productivity to DTP. Class discussions and independent projects supplement hands-on classroom work.

MGD 1014 | Typography I
Lecture/Lab Credit: 3

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 1015 | Typography and Layout
Lecture/Lab Credit: 3

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.
Corequisite: MGD 1001 or MGD 1002 or MGD 1012 or MGD 1013

MGD 1041 | Web Design I
Lecture/Lab Credit: 3

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.

MGD 1058 | Introduction to UI/UX
Lecture/Lab Credit: 3

This course emphasizes the creation of solutions for suggested user tasks and the development of design patterns used in contemporary apps and websites.

MGD 1080 | Internship
Internship Credit: 3

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.

MGD 1094 | Service Learning
Practicum Credit: 3

Allows the student to provide a service to the community utilizing knowledge and skills acquired from a course in which the student is curently enrolled or has previously taken at the student`s respective college.

MGD 2003 | Design and Concept
Lecture/Lab Credit: 3

Covers the process of comprehensive problem solving of complex and advanced print design. Provides experience in digital production of designs, using multiple computer applications emphasizing concept.
Prerequisite: MGD 1012 or MGD 1015 with a grade of C or better

MGD 2041 | Web Design II
Lecture/Lab Credit: 3

Expands on previously learned fundamentals of HTML introducing cascading style sheets, DHTML, Java Scripts 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: MGD 1041 with a grade of C or better

MGD 2058 | User Experience/User Interface Design (UX/UI)
Lecture/Lab Credit: 3

Provides a project-based introduction of the design process of user experience and user interface. This course emphasizes practical methods and approaches based on user need for solving design problems. Other focuses of the course include user testing and research methods, design prototyping, and design validation.
Prerequisite: MGD 1058 with a grade of C or better

MGD 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Prerequisite: Department approval required
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

MGD 2080 | Internship (Capstone)
Internship Credit: 3

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

MGD 2085 | Independent Study
Independent Study Credit: 0-12

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.
Prerequisite: Department approval required

MGD 2089 | Capstone
Lecture/Lab Credit: 1-6

A demonstrated culmination of learning within a given program of study.
Prerequisite: Department approval required

MGD 2094 | Service Learning
Practicum Credit: 3

Allows the student to provide a service to the community utilizing knowledge and skills acquired from a course in which the student is curently enrolled or has previously taken at the student`s respective college.
Prerequisite: Department approval required

Music (MUS)

MUS 1000 | Introduction to Music Theory I
Lecture Credit: 3

Introduces the basics of music theory. Course designed to help the beginning music student, or those students with limited background in music theory, study the basic elements of music. Topics include notation, rhythm, scales, key signatures, intervals, chords, beginning level melodic and rhythm dictation, ear-training and sight singing skills.

MUS 1006 | Introduction to Songwriting
Lecture Credit: 3

Examines the various processes and styles of songwriting and offers techniques and ideas for creating songs ranging from functional to original. You will explore the common factors in all styles of songwriting, and use them to bring out creative song ideas whether you have written songs before or have just always wanted to see if you could. A basic knowledge of music reading for any instrument and elementary music theory is recommended, but not required.

MUS 1008 | Principles of Acoustics
Lecture Credit: 3

Provides simplified acoustic and psychoacoustic concepts to promote an intuitive understanding of sound, its relation to and interaction with physical environments, and the role of sensory perception in shaping the way humans hear.

MUS 1010 | Music Theory I
Lecture Credit: 3

Presents music fundamentals, diatonic four-part harmony, analysis, ear training, and keyboard harmony. For music majors transferring to a 4-year program.

MUS 1011 | Music Theory II
Lecture Credit: 3

Presents chromatic four-part harmony, analysis, ear training, and keyboard harmony.

MUS 1012 | Ear Training/Sight-singing I Lab
Studio Art Credit: 1

Presents exercises in sight-singing with melodic and rhythmic dictation.

MUS 1013 | Ear Training/Sight-singing II Lab
Studio Art Credit: 1

Presents exercises in sight-singing with melodic and rhythmic dictation.

MUS 1020 | Music Appreciation: GT-AH1
Lecture Credit: 3

Covers the basic materials of music, musical forms, media, genres and musical periods. Emphasizes the development of tools for intelligent listening and appreciation. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

MUS 1021 | Music History Medieval thru Classical Period: GT-AH1
Lecture Credit: 3

Studies the various periods of music history with regard to the composers, esthetics, forms, and genres of each period. Considers music from the Middle Ages through the Classical period. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

MUS 1022 | Music History Romantic Period to Present: GT-AH1
Lecture Credit: 3

Studies the various periods of music history with regard to the composers, aesthetics, forms, and genres of each period. Considers music from the early Romantic period to the present. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

MUS 1023 | Survey of World Music: GT-AH1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT AH-1

MUS 1025 | History of Jazz: GT-AH1
Lecture Credit: 3

Provides a survey of the basic materials of music and the forms, media, genres, historical, and cultural style periods of jazz. It emphasizes the development of tools for intelligent listening and appreciation.

MUS 1031 | Music Class I
Lecture/Lab Credit: 2

Applies the fundamentals of music to the voice or specific musical instruments. This course also introduces basic techniques, repertoire, and sight-reading. First year, first term.

MUS 1032 | Music Class II
Lecture/Lab Credit: 2

Applies the fundamentals of music to the voice or specific musical instruments. The course also introduces basic techniques, repertoire, and sight-reading. First year, second term.

MUS 1041 | Private Instruction I: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)
Private Instruction Credit: 1-2

1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4 year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at and participation in student performances is required for 2 credits. First year, first term.

MUS 1042 | Private Instruction II: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)
Private Instruction Credit: 1-2

1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4 year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at and participation in student performances is required for 2 credits. First year, second term.

MUS 1051 | Ensemble I
Studio Music Credit: 1

First year, first term. Rehearses and performs various types of musical literature.

MUS 1052 | Ensemble II
Studio Music Credit: 1

Rehearses and performs various types of musical literature. First year, second term.

MUS 1053 | Ensemble III
Studio Music Credit: 1

Rehearses and performs various types of musical literature. First year, third term.

MUS 1054 | Ensemble IV
Studio Music Credit: 1

Rehearses and performs various types of musical literature. First year, fourth term.

MUS 1061 | Computer Music Applications I
Lecture Credit: 3

Introduces students to the Digital Audio Workstation, current practices with MIDI instruments, MIDI sequencing, MIDI editing, music notation programs.

MUS 1062 | Computer Music Applications II
Lecture Credit: 3

Designed to build on MUS 1061. Course will further explore the Digital Audio Work (DAW) environment. Advanced music notation software techniques, creating unique synthesizer timbres, and audio/video synchronization will be among the topics explored.

MUS 1063 | Music Audio Production I
Lecture Credit: 3

Designed to give music majors and students with a strong interest in music a basic understanding of the Music Production process. This includes the basic knowledge of audio/music production, the fundamentals of sound and microphone, digital and analog technology, recording, and mixing.

MUS 1064 | Music Audio Production II
Lecture Credit: 3

Designed to build on the concepts of MUS 1063, this class will be more project oriented with emphasis on using the techniques discussed in MUS 163. An emphasis on critical listening through each phase of the recording process will be made.

MUS 1067 | Music Business I
Lecture Credit: 3

Provides a foundational overview of the current, historic, and projected business practices in the music entertainment industry. Course provides opportunities to gain an understanding of the music entertainment industry including copyright, labels, publishing, licensing, distribution, marketing, finance, legal considerations, and current and future opportunities.

MUS 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

MUS 2010 | Music Theory III
Lecture Credit: 3

Continues study of four-part music, including extended harmonic progressions of ninth, eleventh, thirteenth chords, extended alteration, non-chord tones, modulation and compositions

MUS 2011 | Music Theory IV
Lecture Credit: 3

Offers a continuation of chromatic harmony, analysis, ear-training, and keyboard harmony. New topics will include Impressionism and 20th Century styles of composition.

MUS 2012 | Advanced Ear Training/Sight-singing I Lab
Studio Art Credit: 1

Presents modulating and chromatic exercises in sight-singing and dictation. Dictation includes four-part writing.

MUS 2013 | Advanced Ear Training/Sight-singing II Lab
Studio Art Credit: 1

Presents modulating and chromatic exercises in sight-singing and dictation. Dictation includes four-part writing.

MUS 2031 | Music Class I (Class Piano)
Lecture/Lab Credit: 2

Group instruction in music. Introduces techniques, repertoire, and sight-reading.

MUS 2032 | Music Class II (Class Piano)
Lecture/Lab Credit: 2

Group instruction in music. Introduces techniques, repertoire, and sight-reading.

MUS 2041 | Private Instruction III: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)
Private Instruction Credit: 1-2

1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4 year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at and participation in student performances is required for 2 credits. Second year, first term.

MUS 2042 | Private Instruction IV: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)
Private Instruction Credit: 1-2

1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4 year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at and participation in student performances is required for 2 credits. Second year, third term.

MUS 2044 | Private Instruction: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)
Private Instruction Credit: 2

1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4 year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at and participation in student performances is required for 2 credits. Second year, fourth term. May be repeated for credit more than once per individual institution policy.

MUS 2051 | Ensemble I
Studio Music Credit: 1

Rehearses and performs various types of musical literature. Second year, first term.

MUS 2052 | Ensemble II
Studio Music Credit: 1

Rehearses and performs various types of musical literature. Second year, second term.

MUS 2065 | Live Audio Engineering
Lecture Credit: 3

Covers the concepts and technical skills of live sound reinforcement. Topics include basic audio concepts, the operation and interconnection of a sound system, signal processing, and the duties of the sound engineer.

MUS 2075 | Special Topics
Covers specific topics in music. This course is offered as needed for credit appropriate to the topic and each offering includes a description of the topic(s).

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

MUS 2084 | Internship
Internship Credit: 1-12

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.

MUS 2085 | Independent Study
Independent Study Credit: 0-12

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

Nurse Aide (NUA)

NUA 1001 | Nurse Aide Health Care Skills
Lecture/Lab Credit: 4

Prepares the student to perform the fundamental skills of the nurse aide. Basic nursing skills, communication skills, restorative services, personal care skills, safety and emergency care issues are covered. Includes knowledge and/or principles of asepsis, OSHA and HIPAA regulations. Ethical behaviors, cultural sensitivity and principles of mental health will be addressed, as well as patient/resident rights.

Corequisite: NUA 1070

NUA 1002 | Certification Exam Prep
Lecture Credit: 0.5

Helps prepare the student for the state certification exam through mock testing.

Prerequisite: NUA 1001 and NUA 1070 with a grade of C or better

NUA 1070 | Nurse Aide Clinical Experience
Clinical Credit: 1

Applies knowledge and skill gained in NUA 1001 to patient care.

NUA 1071 | Advanced Nurse Aide Clinical
Internship Credit: 1.5

Prepare the student to move toward more independent functioning within the nurse aide scope of practice, in applying knowledge and skills gained in NUA 1001 and NUA 1070. The student will learn skills that enhance communication, cultural competency, end of life care, critical thinking and organizational skills.

Prerequisite: NUA 1001 and NUA 1070 with a grade of C or better

NUA 1080 | Home Health Aide Internship
Internship Credit: 0.25-6

Prepares the nurse aide for entry-level into the home health care setting.

Prerequisite: NUA 1001 and NUA 1070 with a grade of C or better, or a current and unencumbered Colorado Nurse Aide license

Nursing (NUR)

NUR 1001 | Pharmacology Calculations
Lecture Credit: 1

Prepares nurse to provide safe, patient-centered nursing care related to dosage calculations within the respective scope of practice. This course introduces critical thinking applied to dosage calculations and communication used when interacting with patients and members of the healthcare team related to various aspects of safe administration of medications. Information technology used to document medications administered and patient technology used to deliver medications are also practiced.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1002 | Alterations in Adult Health I
Lecture Credit: 4

Provides acquisition of basic nursing theory, communication, collaboration, and critical thinking necessary for safe, patient-centered nursing care to diverse adult patients experiencing common health alterations requiring medical/surgical interventions. The course introduces Practical Nursing and incorporates the legal and ethical responsibilities of the Practical Nurse.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1003 | Basic Health Assessment for the Practical Nurse
Lecture Credit: .5 Lab Credit: .5

Provides the theoretical knowledge and psychomotor skills used by the Practical Nurse performing a basic assessment of health status of stable adult patients with predictable outcomes, including collecting, reporting, and recording objective/subjective data, observing conditions or changes in condition, and differentiating normal from abnormal findings. Principles of therapeutic communication and patient teaching are included. Includes practice collecting basic assessment data in the nursing skills laboratory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1004 | Alterations in Adult Health II
Lecture Credit: 5

Apply and expand the knowledge and skills learned in Adult Health I to provide acquisition of basic nursing theory, communication, collaboration and critical thinking necessary for safe, patient-centered nursing care for diverse adult patients with conditions that are stable and predictable. The course focuses on care of patients experiencing common health alterations requiring medical/ surgical interventions. The course incorporates legal and ethical responsibilities of the Practical Nurse in the care of adults.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1005 | Practical Nursing Arts and Skills
Lecture Credit: 3 Lab Credit: 3

Employs basic nursing theory and applies that theory and theory from other co-requisite nursing courses to the performance of nursing skills. Communication, collaboration, and critical thinking necessary for safe, patient-centered nursing care are applied to the care of patients across the lifespan with stable and predictable outcomes. The course applies guidelines related to the professional, legal, and ethical scope of practice of the Practical Nurse, including demonstrating safe performance of all psychomotor skills.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1010 | Pharmacology for Practical Nursing
Lecture Credit: 3

Categorizes basic principles of pharmacology, including major drug classifications using prototype drugs, principles of medication administration including best practices for safe, quality,and patient-centered care. Discusses the legal and ethical responsibilities of the Practical Nurse related to medication administration. Application of this content is used throughout the program nursing courses.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1011 | Advancement into Practical Nursing
Lecture Credit: 1

Demonstrates the roles and responsibilities of the Practical Nurse including scope of practice, supervision, assignment, and leadership skills. Emphasis on accountability, lifelong learning, perspectives in healthcare, and career and job readiness skills for entry level nursing practice.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1013 | Basic Concepts of Maternal-Newborn Nursing
Lecture Credit: 1 Lab Credit: 1

Applies and expands the knowledge and skills learned in the previous and concurrent courses to provide the acquisition of basic nursing theory, communication, collaboration, and critical thinking necessary for safe, patient-centered nursing care to childbearing families. The course incorporates the legal and ethical responsibilities of the Practical Nurse in the care of childbearing families.

Prerequisite: Acceptance into the Practical Nursing Program.

NUR 1014 | Basic Concepts of Pediatric Nursing
Lecture Credit: 1 Lab Credit: 1

Applies and expands on the knowledge and skills learned in the previous and concurrent courses to provide for the acquisition of basic nursing theory, communication, collaboration, and critical thinking necessary for safe, patient-centered nursing care to children and their families. The course incorporates the legal and ethical responsibilities of the Practical Nurse in the care of children.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1015 | Basic Concepts of Mental Health Nursing
Lecture Credit: 1

Applies knowledge of basic nursing theory, communication, collaboration, and critical thinking necessary for safe, patient-centered nursing care to diverse patients at various levels of mental health promotion and mental illness management. The course incorporates the legal and ethical responsibilities of the Practical Nurse in the care of patients with mental health issues.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1016 | Basic Concepts of Geriatric Nursing
Lecture Credit: 1

Applies and expands the knowledge and skills learned in the previous and concurrent courses to provide for the acquisition of basic nursing theory, communication, collaboration, and critical thinking necessary for safe, patient-centered nursing care to older adults. The course incorporates the legal and ethical responsibilities of the Practical Nurse in the care of older adults.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1070 | Clinical I
Internship Credit: 3

Offers the clinical practicum to apply the related nursing theory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1071 | Clinical II
Internship Credit: 2

Offers the clinical practicum to apply the related nursing theory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1072 | Clinical III
Internship Credit: 1

ffers the clinical practicum to apply the related nursing theory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1073 | Clinical IV
Internship Credit: 3

Offers the clinical practicum to apply the related nursing theory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 1089 | Transition from LPN to RN
Lecture Credit: 2 Lab Credit: 1 Clinical Credit: 1

Facilitates transition of the LPN to new roles and responsibilities of the ADN, the nursing process, critical thinking, legal and ethical issues in nursing practice, and the nursing care of childbearing families and pediatric clients. Application of knowledge and skills occurs in the laboratory and maternal/child and pediatric clinical settings.

Prerequisite: Admission into LPN-BSN Program

NUR 2006 | Advanced Concepts of Medical-Surgical Nursing I
Lecture Credit: 3.5 Lab Credit: 1.5 Internship Credit: 1.5

Advanced Concepts of Medical-Surgical Nursing I builds on Medical Surgical Nursing Concepts focusing on advanced concepts of nursing applied to care of patients with high acuity medical/surgical conditions. Builds on medical/surgical nursing theory, mental health concepts, communication, collaboration, caring, and critical thinking/clinical reasoning necessary for safe, patient-centered nursing care to developmentally and culturally diverse adult patients. Incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the professional nurse as applied in a variety of healthcare settings. Application of knowledge and skills occurs in the nursing skills laboratory and in a variety of clinical settings.

Prerequisite: NUR 1089 with a grade of C or better

NUR 2011 | Phychiatric-Mental Health Nursing
Lecture Credit: 2.7 Internship Credit: 1.3

Develops concepts of psychosocial integrity and emphasizes the function and responsibility of nursing in promoting and maintaining mental health of individuals and families. This course emphasizes communication and caring through the application of the therapeutic relationship and nursing process in the care and treatment of common psychiatric clinical conditions/disorders.

Prerequisite: NUR 1092 with a grade of C or better

NUR 2012 | Pharmacology II
Lecture Credit: 2

Builds on previously introduced pharmacological concepts and applies that learning to pharmacologic therapy to provide safe, quality, evidence- based nursing care to patients with complex healthcare needs. Focuses on safety and quality improvement factors in the administration of medications within a variety of healthcare systems. Advanced dosage calculations included.

Prerequisite: NUR 1089 with a grade of C or better

NUR 2013 | Professional Pathway to Nursing
Lecture Credit: 3

Introduces students in the Integrated Nursing Pathway to professional nursing within the culture of healthcare safety and quality improvement. This course provides an understanding of attributes, roles and responsibilities of the professional nurse; essential knowledge, developing skills and attitudes required for team participation in a culture of safety and quality improvement; role of culture in the nurse-patient relationship; and interpersonal communication critical to the nurse-patient relationship.

Prerequisite: Acceptance into the INP program

NUR 2016 | Advanced Concepts of Medical-Surgical Nursing II
Lecture Credit: 2.3 Internship Credit: 2.7

Nursing 2016 is a continuation of Nursing 2006, focusing on complex medical/surgical conditions of the high acuity patient. Builds on medical/surgical nursing theory, mental health concepts, communication, collaboration, caring, and critical thinking/clinical reasoning necessary for safe, patient-centered nursing care to developmentally and culturally diverse adult patients experiencing high acuity medical/surgical conditions. Incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the professional nurse as applied in the acute care and high acuity settings. Application of knowledge and skills occurs in a variety of clinical settings.

Prerequisite: NUR 2006 with a grade of C or better

NUR 3001 | Integration into Baccalaureate Nursing Practice
Lecture Credit: 3

Explores professional nursing practice at the baccalaureate level. The course focuses on knowledge and understanding of the professional nursing standards and the nursing role at a baccalaureate level.

Prerequisite: NUR 3002 and NUR 3003 with a grade of C or better

NUR 3002 | Trends in Nursing Practice
Lecture Credit: 3

Examines current issues that nurses encounter in the health care environment including their roles and responsibilities within the nursing profession.
Prerequisite: NUR 2006, NUR 2011, and NUR 2012 with a grade of C or better

NUR 3003 | Nursing Research / Evidence Based Practice
Lecture Credit: 3

Analyzes concepts associated with nursing research, collection, and analysis of data with emphasis on integration of evidenced-based practice within nursing. The course develops the skills for critiquing published research.
Prerequisite: MAT 1260 and NUR 2006 with a grade of C or better

NUR 4008 | Legal and Ethical Issues Related to Professional Nursing Practice
Lecture Credit: 3

Emphasizes the ethical and legal obligations of professional nursing practice. The focus is on values clarification, ethical theory, and ethical decision making models. Additionally, legal issues related to healthcare will be explored.
Prerequisite: NUR 3002 with a grade of C or better

NUR 4009 | Leadership in the Nursing Profession
Lecture Credit: 2.5 Practicum Credit: 1

Focuses on the role of the professional nurse as a leader within healthcare. The course integrates concepts needed to assume leadership and management positions in the healthcare environment.
Prerequisite: Completion of all 2000 level nursing coursework in the LPN-BSN program

NUR 4010 | Community Health Nursing/Practicum
Lecture Credit: 5 Practicum Credit: 1

Focuses on the role of the professional nurse in community-based practice settings, with an emphasis placed on health promotion, prevention, and optimal wellness of the community.
Prerequisite: NUR 2016 with a grade of C or better

NUR 4011 | Senior Seminar
Lecture Credit: 3

Integrates theory into practice by building on previous concepts and knowledge.
Prerequisite: NUR 3001 with a grade of C or better

Paralegal (PAR)

PAR 1115 | Introduction to Law
Lecture Credit: 3

Introduces the United States (U.S.) legal system, legal terminology and concepts, and a variety of substantive areas of law. This course covers the role of paralegals and issues facing paralegals within the U.S. legal system.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 1116 | Torts
Lecture Credit: 3

Focuses on tort law, including negligence, intentional torts, and strict liability.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 1117 | Family Law
Lecture Credit: 3

Emphasizes domestic relations law, including formation of marriage, dissolution of marriage and legal separation, child custody and support, adoption, and other family law issues.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 1118 | Contracts
Lecture Credit: 3

Examines the basic principles of contract law.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 1125 | Property Law
Lecture Credit: 3

Focuses on real estate law, ownership, sale, leasing, financing and government regulation of land.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 1126 | Administrative Law
Lecture Credit: 3

Introduces administrative and regulatory agencies, their jurisdiction, rule-making and decision-making processes.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Prerequisite: This course may require prerequisites or permission of instructor
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

PAR 2080 | Internship
Internship Credit: 3

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: PAR 1115, PAR 2201, PAR 2211 and PAR 2212 with a grade of C or better

PAR 2085 | Independent Study
Independent Study Credit: 0-12

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2089 | Capstone
Lecture Credit: 3

Emphasizes a synthesis of the information and skills that students learned throughout their paralegal studies.
Prerequisite: PAR 1115, PAR 2201, PAR 2211 and PAR 2212 with a grade of C or better

PAR 2201 | Civil Litigation
Lecture Credit: 3

Presents fundamental concepts and procedures of civil litigation, including the Federal Rules of Civil Procedure and the Colorado Rules of Civil Procedure. This course explores the paralegal's role in civil litigation.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2202 | Evidence
Lecture Credit: 3

Introduces the state and federal Rules of Evidence and application within the trial process.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2205 | Criminal Law
Lecture Credit: 3

Introduces basic concepts of criminal law and criminal procedure, including federal laws, Colorado state statutes, and Rules of Procedure.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2206 | Business Organization Law
Lecture Credit: 3

Emphasizes the federal, state, and local laws impacting business organizations. This course focuses on the creation, maintenance, and dissolution of the major types of business organizations.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2208 | Probate and Estates
Lecture Credit: 3

Provides an understanding of the creation and administration of an estate, including wills and trusts and the probate process.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2209 | Constitutional Law
Lecture Credit: 3

Explores the powers of the federal and state governments and the three branches of the federal government, as allocated and defined by the United States Constitution. This course also examines the individual freedoms and protections outlined in the U.S. Constitution.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2210 | Sexual Orientation, Gender Identity, and The Law
Lecture Credit: 3

Explores the historical relationship between American law and the LGBTQIA+ community in the United States. This course focuses on legal issues facing sexually minoritized peoples and the application of current law to legal cases.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2211 | Legal Research
Lecture Credit: 3

Introduces the student to basic legal research tools, including statutes, digests, case law, citations, encyclopedias, dictionaries, and online data bases.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2212 | Legal Writing
Lecture Credit: 3

Introduces and cultivates the practice, content, and conventions of legal writing in the United States.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2216 | Employment Law
Lecture Credit: 3

Examines the common law and statutory development of employment law in the United States. This course focuses on current issues prevalent within employment law.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2217 | Environmental Law
Lecture Credit: 3

Covers state and federal laws concerning the environment, including chemical safety laws, workplace safety, and hazardous waste.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2218 | Bankruptcy Law
Lecture Credit: 3

Focuses on the federal and state laws and procedures involving bankruptcy.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2220 | Cannabis Law
Lecture Credit: 3

Introduces cannabis policy and regulatory application in the American legal system.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 2227 | Immigration Law
Lecture Credit: 3

Explores the historical evolution of immigration law within the United States. This course examines contemporary immigration law and policy in the United States.
Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

Philosophy (PHI)

PHI 1011 | Intro to Philosophy: GT-AH3
Lecture Credit: 3

Introduces significant human questions and emphasizes understanding the meaning and methods of philosophy. Includes human condition, knowledge, freedom, history, ethics, the future, and religion. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 1012 | Ethics: GT-AH3
Lecture Credit: 3

Examines human life, experience, and thought in order to discover and develop the principles and values for pursuing a more fulfilled existence. Theories designed to justify ethical judgments are applied to a selection of contemporary personal and social issues. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 1013 | Logic: GT-AH3
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 1014 | Comparative Religions: GT-AH3
Lecture Credit: 3

Introduces students to the major world religions from both the Eastern and Western world such as Hinduism, Buddhism, Confucianism, Taoism, Zoroastrianism, Judaism, Christianity, Islam, Bahá'í, and influential pre-literate traditions. Utilizes religious studies methods (historical, sociological, legal, psychological, and phenomenological), to understand the historical development of each religious tradition in terms of communities, cultural context, and modern manifestations; paying particular attention to differences between sects, denominations, schools, and factions within each tradition. Focus will include the examination of the charismatic leaders, prophets, and narratives that inform the worldview of each tradition. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 1015 | World Religions-West: GT-AH3
Lecture Credit: 3

Introduces students to religions of the Western world: Zoroastrianism, Judaism, Christianity, Islam, Bahá'í, and influential pre-literate traditions. Utilizes religious studies methods (historical, sociological, legal, psychological, and phenomenological), to understand the historical development of each religious tradition in terms of communities, cultural context, and modern manifestations; paying particular attention to differences between sects, denominations, schools, and factions within each tradition. Focus will include the examination of the charismatic leaders, prophets, and narratives that inform the worldview of each tradition. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 1016 | World Religions-East: GT-AH3
Lecture Credit: 3

Introduces students to religions of the Eastern world: Hinduism, Buddhism, Jainism, Taoism, Confucianism, Sikhism, Shinto, and influential pre-literate traditions. Utilizes religious studies methods (historical, sociological, legal, psychological, and phenomenological), to understand the historical development of each religious tradition in terms of communities, cultural context, and modern manifestations; paying particular attention to differences between sects, denominations, schools, and factions within each tradition. Focus will include the examination of the charismatic leaders, prophets, and narratives that inform the worldview of each tradition. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 1075 | Special Topics
To be determined by instructor

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

PHI 2005 | Business Ethics: GT-AH3
Lecture Credit: 3

Examines philosophical theories about ethics and relevant subsidiary theories about the nature of justice in order to gather ethical decision-making criteria. Such criteria will be applied through logical argumentation to various moral issues and challenges in today's business environment. Issues covered will include economic distribution, the presuppositions of business, job discrimination, worker's rights, consumerism, advertising, responsibility to the environment, as well as compassionate and fair responsibility to society. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 2014 | Philosophy of Religion: GT-AH3
Lecture Credit: 3

Focuses on the critical examination of the fundamental concepts, ideas, and implications of religion. Includes 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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 2018 | Environmental Ethics: GT-AH3
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 2020 | Philosophy of Death and Dying: GT-AH3
Lecture Credit: 3

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 physician assisted suicide, as well as a focus on philosophy's existentialist contribution to questions about the meaning of life and the meaning of death. This course is one of the Statewide Guaranteed Transfer courses. GT-AH3

PHI 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

PHI 2085 | Independent Study
Independent Study Credit: 0-12

Focuses on directed readings and independent study on specific philosophical topics.

Physical Education (PED)

PED 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Prerequisite: This course may require prerequisites or permission of instructor

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

Physics (PHY)

PHY 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

PHY 1105 | Conceptual Physics with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Focuses on mechanics, heat, properties of matter, electricity and magnetism, light and modern physics. Incorporates laboratory experience. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: College Readiness in English and Quantitative Literacy Math

PHY 1111 | Physics Algebra-Based I with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Explores the physical world through reasoning, mathematics and experimentation. Examines kinematics, force, circular motion, energy, momentum, torque, rotational dynamics, simple harmonic motion, temperature, heat and thermodynamics. The concepts and theories presented are explored through demonstrations and hands-on experiments. It is a general physics course that is recommended for all of the health sciences and all other interested students. Students entering engineering or one of the advanced sciences should register for PHY 2111. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: MAT 1340 with a grade of C or better

PHY 1112 | Physics Algebra-Based II with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Expands upon PHY 1111 and explores sound waves, electric fields, electric circuits, magnetic fields, light, optics, and modern physics. Explores the concepts and theories presented in class through demonstrations and hands-on experiments. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: PHY 1111 with a grade of C or better

PHY 2111 | Physics Calculus Based I with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Explores the physical world through reasoning, mathematics and experimentation. Covers kinematics, force, gravity, energy, momentum, torque, rotational dynamics, and fluids, and may include thermodynamics. The concepts and theories presented in class are explored through demonstrations and hands-on experiments. This first semester calculus-based physics course is recommended for students entering engineering or one of the advanced sciences. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: MAT 2410 with a grade of C or better

PHY 2112 | Physics Calculus-Based II with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Expands upon PHY 2111 and examines waves, electric fields, electric circuits, magnetic fields, light and optics, and modern physics. The concepts and theories presented in class are explored through demonstrations and hands-on experiments. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: PHY 2111 with a grade of C or better

PHY 2113 | Physics III: Calculus Based Modern Physics
Lecture Credit: 3

Expands upon PHY 2112 and explores twentieth century advances in physics. Topics may include special and general relativity, quantum theory, atomic physics, solid state physics, nuclear physics, semiconductor physics and cosmology.

Prerequisite: PHY 2112 with a grade of C or better

Political Science (PSC)

PSC 1011 | American Government: GT-SS1
Lecture Credit: 3

Explores the origins, development, structure, and functions of the American Constitution and national government. This course also examines federalism, civil liberties, civil rights, electoral processes, and mechanisms of civic participation and influence. This is a statewide Guaranteed Transfer course in the GT-SS1 category.

PSC 1025 | American State and Local Government: GT-SS1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS1

PSC 1050 | Current Political Issues: GT-SS1
Lecture Credit: 3

Incorporates an in-depth analysis of the background and nature of political issues and themes. This course is one of the statewide guaranteed transfer courses. GT-SS1

PSC 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

PSC 2005 | International Relations: GT-SS1
Lecture Credit: 3

Examines relationships among modern nation states. Topics include diplomacy, nationalism, ideologies, power and influence, conflict and cooperation, the role of nonstate actors, the international economy and theoretical attempts to understand international behavior. This course is one of the Statewide Guaranteed Transfer courses. GT-SS1

PSC 2020 | Intro to Political Science: GT-SS1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS1

PSC 2025 | Comparative Government: GT-SS1
Lecture Credit: 3

Focuses on a comparison of the basic features of selected developed and developing countries. Topics include ideologies, political parties, interest groups, and governmental institutions. This course is one of the Statewide Guaranteed Transfer courses. GT-SS1

PSC 2080 | Internship
Internship Credit: 1 - 3

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.

Psychiatric Technician (PTE)

PTE 1010 | Intro to Behavioral Health Care and Wellness
Lecture Credit: 3

Explores basic principles of behavioral health and wellness care in behavioral health settings. This course develops interpersonal and technical skills while working with clients in psychiatric care settings.

PTE 1017 | Theoretical Concepts of Psychiatric Care II
Lecture Credit: 2

Explores psychiatric problems common to four (4) special populations: children/adolescents, developmentally disabled individuals, aging persons, and forensic clients. The student learns to recognize and intervene with problems common to these four groups.

PTE 1020 | Application of Behavioral Health Care & Wellness
Lecture Credit: 5

Explores basic etiology, symptoms, and interventions for common behavioral and mental health disorders. Provides the opportunity for students to experience the mileu of a behavioral health care setting while providing basic care to clients experiencing common behavioral and mental health issues.

Psychology (PSY)

PSY 1001 | General Psychology I: GT-SS3
Lecture Credit: 3

Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 1002 | General Psychology II: GT-SS3
Lecture Credit: 3

Focuses on the scientific study of behavior including cognition, language, intelligence, psychological assessment, personality, abnormal psychology, therapy, life span development, and social psychology. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 1016 | Stress Management
Lecture Credit: 3

Identifies the physiological, emotional, and behavioral aspects of stress. Techniques of stress reduction and management are explored and applied, including nutrition, exercise, assertiveness, time management, and financial management.

PSY 1075 | Special Topics
Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Prerequisite: College Readiness in English

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

PSY 2000 | Research Methodology
Lecture Credit: 4

Introduces research methods and designs including correlational studies, experimental designs and quasi-experimental designs. Additional topics include evaluations of scientific research, data analysis, report writing and research ethics.

PSY 2075 | Special Topics
Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Prerequisite: College Readiness in English

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

PSY 2085 | Independent Study
Independent Study Credit: 0-12

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

Prerequisite: College Readiness in English

PSY 2105 | Psychology of Gender: GT-SS3
Lecture Credit: 3

Examines gender comparisons in work, courtship, family life, and sexual behavior throughout the life span. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 2107 | Human Sexuality: GT-SS3
Lecture Credit: 3

Surveys physiological, psychological, and psychosocial aspects of human sexuality. Topics include relationships, sexual identity, and sexual health. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 2108 | Psychology of Transgender Identity
Lecture Credit: 3

Explores the transgender experience in Western culture. This course covers definitions and language; the history of the transgender movement; the legal, social, and medical aspects of transition; current political issues; cultural aspects of gender diversity; well-known trans-identified people; working with transgender populations; and advocacy. Students will explore aspects of being trans-identified: gain language, knowledge, and skills to work with transgender populations; and understand the diversity of the transgender experience.

Prerequisite: College Readiness in English

PSY 2221 | Social Psychology: GT-SS3
Lecture Credit: 3

Focuses on the behavior of humans in social settings, including attitudes, aggression, conformity, cooperation and competition, prejudice, and interpersonal attraction.

Prerequisite: College Readiness in English

PSY 2222 | Psychology of Death and Dying: GT-SS3
Lecture Credit: 3

Examines the philosophies of life and death, emphasizing dying, death, mourning, and the consideration of one`s own death. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 2331 | Positive Psychology: GT-SS3
Lecture Credit: 3

Focuses on human strengths rather than the traditional view of psychology that tends to focus on the worst of human nature. This course is designed to explore strengths-based research, concepts of happiness, helpfulness, and resiliency. The research and theories about human nature will go beyond simply not being mentally ill as a form of mental health, which will include optimism, post-traumatic growth, and how to increase emotional, psychological and social functioning. Overall, this course will be focused on understanding one's own sense of life satisfaction and how to further improve well-being. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 2333 | Health Psychology: GT-SS3
Lecture Credit: 3

Students will learn an overview of the scientific study of attitudes, behaviors and personality variables related health, illness and bodily systems. Emphasis is on the interaction of biological, psychological and social factors that cause illness and influence its treatment and prevention.

Prerequisite: College Readiness in English

PSY 2440 | Human Growth and Development: GT-SS3
Lecture Credit: 3

Examines human development from conception through death, emphasizing physical, cognitive, emotional, and psychosocial factors. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 2441 | Child Development: GT-SS3
Lecture Credit: 3

Focuses on the growth and development of the individual, from conception through childhood, emphasizing physical, cognitive, emotional, and psychosocial factors. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 2552 | Abnormal Psychology: GT-SS3
Lecture Credit: 3

Examines abnormal behavior and its classification, causes, treatment, and prevention. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 2660 | Introduction to Evolutionary Psychology
Lecture Credit: 3

Introduces the principles of Natural Selection and applies them to Psychology and the study of human behavior. The course lays the framework for a biologically based approach to psychology and provides a metatheory for the discipline by examining current experimental data.

Prerequisite: College Readiness in English

PSY 2661 | Brain and Behavior
Lecture Credit: 3

Provides an introduction to the study of the relationship between brain function and behavior. The course presents neuroanatomy and neurophysiology as they relate to human experience and behavior. It demonstrates the application of neuroscience concepts to understand and intervene in human behaviors and disorders. Students will be introduced to modern research methods and ethics in the study of brain and behavior.

Prerequisite: College Readiness in English

PSY 2662 | Intro to Neuropsychology
Lecture Credit: 3

Focuses on introduction to basic neuropsychological terms and concepts with emphasis on application of thinking and behavior in humans.

Prerequisite: College Readiness in English

PSY 2770 | Introduction Forensic Psychology
Lecture Credit: 3

Introduction to Forensic Psychology is a course in an overview of Forensic Psychology. As such it explores both current research and practice in five areas. These areas are police psychology, criminal psychology, victimology, correctional psychology and the interface of psychology and the courts. The course facilitates an understanding of the numerous careers related to forensic psychology, how to prepare for them and current research and practice in each of the five broad areas of forensic psychology.

Prerequisite: College Readiness in English

PSY 2771 | Psychology of Personality: GT-SS3
Lecture Credit: 3

Examines the structure, function, and development of personality. Investigates the major contemporary theories of personality. Covers psychodynamic, behavioral, cognitive-social learning, humanistic, trait, and, optionally, neurobiological, existential, and/or Eastern, perspectives. The underlying assumptions and research support for these theories are appraised. Enables the student to gain an appreciation of the value of alternative theoretical approaches to this subfield of psychology. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

PSY 2773 | Organizational Psychology
Lecture Credit: 3

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: College Readiness in English

PSY 2774 | Psychology of Leadership
Lecture Credit: 3

Studies and applies the theories and techniques of leadership and group processes. In addition, introduces leadership skills and experiences with applications in group and community settings.

Prerequisite: College Readiness in English

Public Health (PBH)

PBH 2015 | Introduction to Public Health: GT-SS3
Lecture Credit: 4

Introduces core concepts of public health and explores the importance of health promotion and disease prevention. This course includes the history of the field, application of public health practice with emphasis on prevention, tools, and techniques examined through an understanding of the social determinants of health.

Public Security Management (PSM)

PSM 1004 | Introduction to Emergency Management
Lecture Credit: 3

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 1005 | Crime and Forensics
Lecture Credit: 3

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 1010 | School Violence
Lecture Credit: 3

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 1032 | Homeland Defense: Forecasting Terrorism
Lecture Credit: 3

Examines the variety of new indicators, warning methodologies, and analytical tools available to analysts; review of the extensive academic, governmental, and policy literature on terrorism forecasting that has been developed to assess and forecast terrorism in its numerous dimensions. Students will comprehend the various analytical capabilities of the types of terrorist threats that are 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 our society.

PSM 1033 | Homeland Security: Chemical and Biological Defense
Lecture Credit: 3

Provides an overview of the radiological, chemical, biochemical, and biological threat to Homeland Security. Analysis of the agents and means of dissemination or attack that an adversary nation, group or terrorist cell may employ to deliver these agents; review the current and projected means, techniques, and procedures for defense against such agents; review of theory and practices in chemical and biological threats to develop proactive defensive postures to defeat these threats.

PSM 2004 | Terrorism, Intelligence, and Justice
Lecture Credit: 3

Provides the student with an interactive opportunity for students 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 actors, 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 2021 | Forensic Computer Analysis: Computer Forensics I
Lecture Credit: 3

Offers the student an overview of computer forensics, while discussing the different aspects of computers as it pertains to the forensic field, loss prevention, security management, and homeland security. Introduction to the legal aspects as it pertains to the search and seizure of computers and the effects of new legislation that changes our concepts of privacy and ownership.

PSM 2022 | Forensic Computer Analysis: Computer Forensics II
Lecture Credit: 3

Provides the student with enhanced materials built on the foundations of PSM 2021 - Computer Forensics I. Introduces and incorporates software used within the security industry to identify and locate evidence on a computer system. The procedures of computer seizure are reintroduced along with the proper guidelines of computer seizure.

Radiologic Technology, Computed Tomography, and Mammography (RTE)

RTE 1001 | Introduction to Radiography
Lecture Credit: 2

Offers an introduction to radiology including equipment, exposure, positioning and the knowledge necessary for the radiography student to provide safe patient care including communication skills, body mechanics, patient transfer, and radiography as a profession

Prerequisite: College readiness in English

RTE 1011 | Radiographic Patient Care
Lecture Credit: 2

Offers expansion of the information presented in RTE 1001, including diversity, universal precautions, legal considerations and ethics. Includes lecture and laboratory experience in the patient care areas of asepsis, vital signs, venipuncture, medical emergencies, assistance with drug administration, patient with special needs, and death and dying.

RTE 1021 | Radiologic Procedures I
Lecture Credit: 1.5 Lab Credit: 1.5

Introduces fundamentals of radiographic positioning including use of radiographic equipment and safety, positioning, terminology, anatomy, pathology, and skills necessary to perform radiographic procedures of the chest, abdomen, upper extremity, gastrointestinal and urinary systems.

RTE 1022 | Radiologic Procedures II
Lecture Credit: 1.5 Lab Credit: 1.5

Introduces additional material covered in RTE 1021 including the knowledge of anatomy, pathology, and skills necessary to perform radiographic procedures of the lower extremity, pelvis, spine, and boney thorax.

Prerequisite: RTE 1021 with a grade of C or better

RTE 1031 | Radiographic Pathology and Image Evaluation I
Lecture Credit: 1.5

Provides a detailed anatomic discussion of the respiratory, digestive, genitourinary systems and related medical terminology. The course will also cover the details of bony anatomy including bone structure, pathology and arthrology

RTE 1032 | Radiographic Pathology and Image Evaluation II
Lecture Credit: 1.5

Provides a detailed anatomic/pathologic discussion of the spine, circulatory system, nervous system, and skull and related medical terminology.

Prerequisite: RTE 1031 with a grade of C or better

RTE 1041 | Radiographic Equipment and Imaging I
Lecture Credit: 1.5 Lab Credit: 1.5

Introduces the fundamental aspects of radiographic equipment including a basic review of physics fundamentals pertaining to x-ray production, the x-ray machine, image receptors, and control of scatter radiation.

RTE 1042 | Radiographic Equipment and Imaging II
Lecture Credit: 1.5 Lab Credit: 1.5

Expands upon information covered in RTE 1041 and provides in-depth knowledge of radiographic exposure techniques, digital image processing, and fluoroscopy. In addition, the factors that affect image quality in digital and film/screen imaging, quality control, and quality assurance will be covered.

Prerequisite: RTE 1041 with a grade of C or better

RTE 1081 | Radiographic Internship I
Internship Credit: 5

Introduces the clinical education experience at the clinical education center. The student applies knowledge learned in the classroom to the actual practice of radiography.

RTE 1082 | Radiographic Internship II
Internship Credit: 5

Introduces additional concepts and more complex radiographic procedures than those learned in Clinical Internship I.

Prerequisite: RTE 1081 with a grade of C or better

RTE 1083 | Radiographic Internship III
Internship Credit: 7

Reinforces the basic concepts of Clinical Internship I and II.

Prerequisite: RTE 1082 with a grade of C or better

RTE 1084 | Internship
Internship Credit: 0-12

Provides students with the opportunity to supplement course work with practical work experience related to their educational program. Students work under the immediate supervision of experience personnel at the business location and with the direct guidance of the instructor. 0-12 credits

Prerequisite: RTE 1083 with a grade of C or better

RTE 2021 | Advanced Medical Imaging
Lecture Credit: 1.5 Lab Credit: 1.5

Introduces advanced imaging techniques including radiography of the cranium, facial bones and special radiographic procedures. These concepts are combined with the basic oral communication techniques necessary for the professional radiographer.

Prerequisite: RTE 1021 with a grade of C or better

RTE 2031 | Radiation Biology/Protection
Lecture Credit: 2

Provides the basic knowledge and understanding of the biologic effects of ionizing radiation and radiation protection and safety.

Prerequisite: RTE 1041 with a grade of C or better

RTE 2050 | Mammography
Lecture Credit: 2.5 Lab Credit: .5

Introduces the principles of mammography to include safe patient management and assessment. This course focuses on digital and tomographic imaging, and mammographic positioning and procedures. The course covers quality control (QC) of mammographic equipment, image production, and image evaluation.

RTE 2057 | Computed Tomography Basics
Lecture Credit: 2

Introduce the principles of Computed Tomography in preparation for the internship experience. Special consideration will be given to the equipment, image production, quality control, radiation safety, patient assessment and the critical thinking skills necessary to function in an autonomous environment. This course exceeds the 16 contact hours of structured learning required by the American Registry of Radiologic Technologist (ARRT) for competencies and qualifications for the CT examination.

RTE 2060 | Magnetic Resonance Imaging
Lecture Credit: 3

Provides an in-depth study of the physics and instrumentation, clinical applications, and quality control process involved in Magnetic Resonance Imaging (MRI). This course also reviews the appearance of normal anatomical structures and associated pathology conditions imaged using common magnetic resonance protocols.

RTE 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

RTE 2080 | Internship
Internship Credit: 2-4

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.

Note: These classes are the Computed Tomography internships I-VI.

RTE 2081 | Radiographic Internship IV
Internship Credit: 8

Introduces the student to the radiographic specialty areas of Pediatrics, Geriatrics, the out-patient clinic, as well as increasing proficiency in general radiography.
Prerequisite: RTE 1083 with a grade of C or better

RTE 2082 | Radiographic Clinical Internship V
Internship Credit: 8

Introduces the student to the radiographic specialty areas of pediatrics, geriatrics, the out-patient clinic, portable and trauma radiography as well as increasing proficiency in general radiography.
Prerequisite: RTE 2081 with a grade of C or better

RTE 2084 | Advanced Clinical (Specialty)
Internship Credit: 2-6

Provides the student with supervised hands-on training in advanced field of medical imaging. Allows the student to gain the clinical experience necessary to work in the specified area of advanced practice.

RTE 2089 | Radiographic Capstone
Lecture Credit: 3

Prepares the radiologic technology student to sit for the American Registry of Radiologic Technologists (ARRT) certification examination through a comprehensive review of RTE program curriculum, with practice answering certification examination-type questions through the administration of multiple mock certification exams. Provides the student with the requisite skills to effectively search for a job in medical imaging.
Prerequisite: RTE 2021 and RTE 2031 with a grade of C or better

RTE 2091 | Mammography Internship
Internship Credit: 2-4

Provides clinical experience for acquiring mammographic examinations through positioning for screening and diagnostic images. There is an emphasis on critical analysis of image quality, patient education, and patient care. This course allows for the documentation of clinical competencies required by the American Registry of Radiologic Technologists (ARRT) for application of the post-primary certification exam.

Note: These classes are the mammography internships I-V.

Russian (RUS)

RUS 1011 | Russian Language I
Lecture Credit: 5

Begins 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.

RUS 1012 | Russian Language II
Lecture Credit: 5

Continues Russian 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 instructors.
Prerequisite: RUS 1011 with a grade of C or better

Science (SCI)

SCI 1055 | Integrated Science with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Examines the nature of energy and matter, their interactions and changes, and the application of fundamental concepts to the study of our natural world. These concepts will be explored in hands-on laboratory experiments. This course integrates the fundamental concepts and ideas about the nature of physics and chemistry with the natural world. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1
Prerequisite: College readiness in English and Career & Technical Math
Note: This class is designed for students who are seeking an A.A. degree with an emphasis in education.

SCI 1056 | Integrated Science II with Lab: GT-SC1
Lecture Credit: 3 Lab Credit: 1

Examines earth and biological systems, living and non-living environments, through the application of fundamental energy and matter concepts. These systems and concepts will be explored in hands-on laboratory experiments. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1
Prerequisite: College readiness in English and Career & Technical Math
Note: This class is designed for students who are seeking an A.A. degree with an emphasis in education.

SCI 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

SCI 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

Social Work (SWK)

SWK 1000 | Introduction to Social Work
Lecture Credit: 3

Introduces students to the philosophy of the social work profession including the knowledge, values, ethics, roles and skills inherent to generalist social work.

SWK 1100 | Social Welfare and Community Agencies with Service Learning
Lecture Credit: 3

Provides a community oriented, service-related, and civic engagement experience from a social work perspective. The course requires at least 30 hours of service to a pre-approved community organization to enhance academic and civic learning, and covers social problems addressed by the organization. The course integrates social justice, socioeconomic, and political issues to personal and professional development within the field of social work.

Sociology (SOC)

SOC 1001 | Introduction to Sociology I: GT-SS3
Lecture Credit: 3

Examines the basic concepts, theories, and principles of sociology as well as human culture, social groups, and the social issues of age, gender, class, and race. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 1002 | Introduction to Sociology II: GT-SS3
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2003 | Urban Sociology
Lecture Credit: 3

Examines how cities and city life are shaped by cultural, social, political, and economic forces operating at many different levels. Examines the history and theoretical roots of urban sociology, ethnographic fieldwork in urban environments, and urban social organization in cross-cultural perspectives.

Prerequisite: College Readiness in English

SOC 2005 | Sociology of Family Dynamics: GT-SS3
Lecture Credit: 3

Develops an understanding of marriage, family and kinship. It examines the family as an institution and how social, cultural and personal factors influence family relations. The stability and diversity of the family will be explored, along with current trends and some alternative life styles. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2007 | Environmental Sociology: GT-SS3
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2015 | Contemporary Social Problems: GT-SS3
Lecture Credit: 3

Explores current social issues that result in societal problems. It focuses on such issues as civil liberties, gender discrimination, substance abuse, crime, poverty, and social change. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2016 | Sociology Of Gender: GT-SS3
Lecture Credit: 3

Gives students the theoretical and factual background necessary to understand the phenomenon of gender stratification in American and other cultures. Students will be exposed to a history of gender stratification in human societies, theoretical explanations for this and insights into the consequences of gender differentiation in our world today. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2018 | Sociology of Diversity: GT-SS3
Lecture Credit: 3

Explores the variety of intergroup relations regardng race, nationality, ethnicity, gender, sexual orientation, and other diversity issues. Patterns of prejudice, discrimination and possible solutions to these issues will be addressed. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2020 | Sociology of Religion: GT-SS3
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2031 | Sociology of Deviant Behavior: GT-SS3
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2037 | Sociology of Death and Dying: GT-SS3
Lecture Credit: 3

Provides an opportunity to familiarize students and professionals with the needs and issues surrounding dying and death. This course will provide sociological, psychological, religious, historical and anthropological perspectives for interpreting contemporary American customs dealing with dying, death and bereavement. We will examine the professions associated with death and dying, such as hospice, funeral and crematory institutions, and medical care. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

SOC 2065 | Violence and Culture
Lecture Credit: 3

Examines the concepts, relationships, organizations, and research as they relate to violence in multiple cultural settings. SOC 2065 assists in developing an understanding of societal and institutional causes of violence; explores resources for intervention and treatment; and provides service learning applications in violence assessment, treatment, and victim assistance.

SOC 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

SOC 2085 | Independent Study
Independent Study Credit: 0-12

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

SOC 2092 | Service Learning
Internship Credit: 3

Spanish (SPA)

SPA 1001 | Conversational Spanish I
Lecture Credit: 3

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 1002 | Conversational Spanish II
Lecture Credit: 3

Offers students the skills necessary to understand and speak Spanish. The material continues to cover basic conversations patterns, expressions, and grammar.

SPA 1011 | Spanish Language I
Lecture Credit: 5

Develops students' interpretive, interpersonal, and presentational communicative abilities in the language. Integrates these skills in the cultural contexts in which the language is used. Offers a foundation in the analysis of culture.

SPA 1012 | Spanish Language II
Lecture Credit: 5

Expands students' interpretive, interpersonal, and presentational communicative abilities in the language across the disciplines. Integrates these skills with the study of the cultures in which the language is used. Offers a foundation in the analysis of culture and develops intercultural communicative strategies.
Prerequisite: SPA 1011 with a grade of C or better

SPA 1014 | Fast Track Spanish I and II
Lecture Credit: 5

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.

Note: This course is for students who have some basic Spanish skills (either from previous study or personal experience) and who have not taken SPA 1011. If a student is currently enrolled in SPA 1011, they must enroll in SPA 1012 for the next level of study.

SPA 1015 | Spanish for the Professional I
Lecture Credit: 3

Introduces students 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.

Note: The specific content of this course may vary. See details for the particular professional focus of a given section.

SPA 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

SPA 2001 | Conversational Spanish III
Lecture Credit: 3

Provides students with the skills necessary continue to their study of understanding and speaking Spanish. The material includes intermediate level vocabulary, grammar, and expressions.

SPA 2002 | Conversational Spanish IV
Lecture Credit: 3

Provides students the skills necessary to continue their study of understanding and speaking Spanish. The material will continue to cover intermediate level conversational patterns, expressions, and grammar.

SPA 2011 | Spanish Language III: GT-AH4
Lecture Credit: 3

Continues Spanish Language I and II in the development of increased functional proficiency in listening, speaking, reading and writing the Spanish language. This course is one of the Statewide Guaranteed Transfer courses. GT-AH4
Prerequisite: SPA 1012 with a grade of C or better

Note: There are two tracks for this course, Second Language Learner and Heritage Speaker. Please see details for specific section.

SPA 2012 | Spanish Language IV: GT-AH4
Lecture Credit: 3

Continues Spanish Language I, II and III in the development of increased functional proficiency in listening, speaking, reading and writing the Spanish language. This course is one of the Statewide Guaranteed Transfer courses. GT-AH4
Prerequisite: SPA 2011 with a grade of C or better

Note: There are two tracks for this course Second Language Learner and Heritage Speaker. Please see details for the specific section.

SPA 2015 | Spanish for Professional II
Lecture Credit: 3

Continues SPA 1015 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.

Note: The specific content of this course may vary. See details for the particular professional focus of a given section.

SPA 2061 | Spanish Language for Heritage and Intermediate-Mid Speakers: GT-AH4
Lecture Credit: 3

Focuses on developing Spanish language skills necessary for communication in social and professional settings. Coursework is curated for speakers who learned Spanish in an informal, non-academic setting and for intermediate-mid speakers. This course emphasizes grammar, vocabulary expansion, reading and writing skills, global linguistic variations, and topics related to Hispanic communities in the United States and the Spanish-speaking world.

SPA 2062 | Writing for Heritage and Intermediate-Mid Spanish Speakers
Lecture Credit: 3

Emphasizes the writing skills necessary for communication in professional and academic settings, focusing on topics related to Hispanic communities in the United States and the Spanish-speaking world. Coursework is curated for speakers who learned Spanish in an informal, non-academic setting and for intermediate-mid speakers.

SPA 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

SPA 2085 | Independent Study
Independent Study Credit: 0-12

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

Sterile Processing (SPI)

SPI 1000 | Sterile Instrument Processing
Lecture/Lab Credit: 4

Reviews the job skills needed for the sterile processing technician. Includes the fundamentals of the central services department, instrument processing and important regulatory protocols. Includes a comprehensive review of medical terminology, anatomy and microbiology. Infection prevention and important environmental control and safety factors are included. The importance of professionalism, clinical advancement and workplace communication is presented.

SPI 1081 | Internship: Sterile Processing Technology
Internship Credit: 5-9

Complete 400 hours of clinical internship in the sterile processing department.

SPI 2079 | Sterile Processing Seminar
Lecture Credit: 3

Provides students with an exceptional learning experience.

Surgical Technology (STE)

STE 1000 | Fundamentals of Surgical Technology
Lecture Credit: 6

Emphasizes the theoretical basis of surgical technology practice.

Prerequisite: Acceptance into the Surgical Technology program
Corequisite: STE 1001 and STE 1010

STE 1001 | Surgical Technology Skills Lab
Lab Credit: 4

Provides the opportunity to learn and practice basic surgical technology skills.

Prerequisite: Acceptance into the Surgical Technology program
Corequisite: STE 1000 and STE 1010

STE 1003 | Introduction to Surgical Technology Lab
Lab Credit: 4

Introduces hands-on skills in a mock operating room environment for the preoperative phase of surgical technology that includes scrubbing, gowning and gloving, assisting team members, creating and organizing a sterile field, setting up instrumentation on the mayo stand, surgical case management, operative routines, patient transport, patient positioning, prepping, and draping, as well as learning procedures for counting instruments, sponges, needles, sharps, and other items on the sterile field.

Prerequisite: STE 1000, STE 1001, STE 1010 with a grade of C or better

STE 1005 | Pharmacology for the Surgical Technologist
Lecture Credit: 2

Covers basic surgical pharmacology including the metric system, pharmacology theory, surgical drugs, and aspects of anesthesia

STE 1010 | Surgical Procedures I
Lecture Credit: 3

Reviews general, gynecological, and urological surgical procedures. Includes a review of the equipment and supplies utilized during the pre-operative, intraoperative and post-operative phases of these procedures.

Prerequisite: Acceptance into the Surgical Technology program
Corequisite: STE 1000 and STE 1001

STE 1015 | Surgical Procedures II
Lecture Credit: 3

Reviews plastic, otorhinolaryngocological, ophthalmologic, and orthopedis surgical procedures. Includes a review of the equipment and supplies utilized during the pre-operative, intra-operative and post-operative phases of these procedures.

Prerequisite: STE 1000, STE 1001, and STE 1010 with a grade of C or better
Corequisite: STE 1005 and STE 1081

STE 1020 | Surgical Procedures III
Lecture Credit: 3

Reviews cardiac, peripheral vascular, and neurologic surgical procedures. Includes a review of the instruments, equipment, and supplies utilized during the preoperative, intraoperative and postoperative phases of these procedures.

Prerequisite: STE 1010 and STE 1015 with a grade of C or better

STE 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of a special topic of interest.

Prerequisite: Acceptance into the Surgical Technology Program

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

STE 1081 | Surgical Internship I
Internship Credit: 4

Allows students to integrate theoretical concepts in a clinical surgical setting.

Prerequisite: STE 1000, STE 1001, and STE 1010 with a grade of C or better
Corequisite: STE 1005 and STE 1015

STE 1082 | Internship II
Lecture Credit: 4

Allows students to integrate advanced theoretical concepts in a clinical surgical setting.

Prerequisite: STE 1000, STE 1001, STE 1005, STE 1010, STE 1015, STE 1020, and STE 1081 with a grade of C or better

STE 1083 | Internship III
Lecture Credit: 6

Allows students to integrate advanced theoretical concepts in a clinical surgical setting.

Prerequisite: STE 1000, STE 1001, STE 1005, STE 1010, STE 1015, STE 1020, STE 1081, and STE 1082 with a grade of C or better
Corequisite: STE 2068

STE 2068 | Surgical Technology Seminar
Lecture Credit: 2

Allows Surgical Technology students to learn techniques helpful in passing the required national certification exam for surgical technology from the Association for Surgical Technologists.

Prerequisite: STE 1000, STE 1001, STE 1005, STE 1010, STE 1015, STE 1020, STE 1081, and STE 1082 with a grade of C or better
Corequisite: STE 1083

STE 2069 | CST Exam Review Course
Lecture Credit: 2

Prepares students for the National Certification Exam administered by The National Board for Surgical Technology and Surgical Assisting (NBSTSA) by introducing test taking skills and strategies for success. Students will review major concepts in the surgical technology program in preparation for the CST examination.

STE 2081 | Surgical Technology Clinical Internship I
Internship Credit: 4

Provides clinical hands-on experience for student to perform surgical technology duties in the first-scrub, second-scrub, and observation role during any given surgical procedure with proficiency and increased complexity while progressing towards entry-level graduate achievement. Clinical experience will be documented by procedure, date and student role while verifying case counts throughout the surgical rotation as defined by accreditation standards through a total of 120 cases. This is the first of three surgical technology clinical internships.

STE 2082 | Surgical Technology Clinical Internship II
Internship Credit: 4

Provides clinical hands-on experience for student to perform surgical technology duties in the first-scrub, second-scrub, and observation role during any given surgical procedure with proficiency and increased complexity while progressing towards entry-level graduate achievement. Clinical experience will be documented by procedure, date and student role while verifying case counts throughout the surgical rotation as defined by accreditation standards through a total of 120 cases. This is the second of three surgical technology clinical internships.

STE 2083 | Surgical Technology Clinical Internship III
Internship Credit: 6

Provides clinical hands-on experience for student to perform surgical technology duties in the first-scrub, second-scrub, and observation role during any given surgical procedure with proficiency and increased complexity while progressing towards entry-level graduate achievement. Clinical experience will be documented by procedure, date and student role while verifying case counts throughout the surgical rotation as defined by accreditation standards through a total of 120 cases. This is the third of three surgical technology clinical internships.

Theatre (THE)

THE 1004 | Basic Costume/Apparel Construction
Lecture/Lab Credit: 3

Provides students with training in cutting and sewing techniques, as well as knowledge of fabric types, qualities, uses, and cleaning.

THE 1005 | Theatre Appreciation: GT-AH1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

THE 1006 | Cross-cultural Storytelling
Lecture Credit: 4

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 1007 | Elements of Theatrical Craft and Design
Lecture/Lab Credit: 3

Explores the theory and practice of technical theatre craft and design. Through lecture, discussion, and class projects, students learn about evolving forms and styles of architecture, scenery, and decoration, properties, costume/make-up, lighting, and sound.

THE 1008 | Theatre Script Analysis: GT-AH1
Lecture Credit: 3

Introduces students to methods of reading and analyzing literature for the stage. In addition, students will apply staging and design concepts in visualizing and analyzing how a play looks, sounds, and feels when produced. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

THE 1010 | Theatre in Denver
Lecture Credit: 3

Acquaints students with the range of theatre companies and productions in the Denver area. The itinerary is designed to provide the greatest variety of theatrical experiences within the logistical circumstances of a given semester's offerings. Accordingly, students will confront a broad spectrum of dramatic literature performed by various companies in distinct milieu.

THE 1011 | Acting I
Lecture Credit: 3

Covers basic acting techniques and approaches including scene study, improvisation, and script analysis. It includes practical application through classroom performance.

THE 1012 | Acting II
Lecture Credit: 3

Continues to explore basic acting techniques and approaches including scene study, improvisation, and intermediate script analysis. It includes practical application through classroom performance.

THE 1015 | Stage Movement for Actors
Lecture/Lab Credit: 3

Introduces the vocabulary of human movement, techniques of physical training, and anatomy and kinesiology for the actor. The course includes forms of basic dance and the coordination of movement with vocal delivery.

THE 1016 | Technical Theatre
Lecture/Lab Credit: 3

Introduces hands-on methods of constructing and painting scenery and properties and operating stage lighting. Students also learn the proper procedures of using shop equipment and serving on stage crews.

THE 1029 | Introduction to the Entertainment Industry
Lecture Credit: 3

Teaches the student an overview of what the Entertainment Industry is and what skill sets are required to enter this field.

THE 1031 | Theatre Production I
Studio Art Credit: 3

Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available.

THE 1032 | Theatre Production II
Studio Art Credit: 3

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 1035 | Stage Makeup I
Lecture Credit: 3

Explores stage makeup design and application techniques including basic corrective, character, old age, animal, and fantasy applications.

THE 1036 | Stage Makeup II
Lecture Credit: 3

Continues to examine theatrical makeup design and application techniques, adding prosthetics, hair design and other advanced applications.

THE 1040 | Stage Dialects
Lecture/Lab Credit: 1

Teaches students to develop skills in nine dialects and accents.

Corequisite: Any THE course or department chair approval

THE 1041 | Improvisation I
Lecture Credit: 1

Helps students learn improvisation skills for performance and character development. Emphasis is placed on Second City style of improvisation.

THE 1044 | Scene Study
Lecture/Lab Credit: 1

Emphasizes the Stanislavski approach. Students will explore acting skills through advanced material, including avant garde and classical.

THE 1050 | Comedy
Lecture Credit: 3

Helps students learn improvisation comedy skills, stand-up comedy skills for performance along with the business aspect of comedy. Students will learn the career and marketing end of putting together a show for performance.

THE 1051 | Stagecraft I
Lecture/Lab Credit: 3

Focuses upon fundamental theories and construction of flats, platforms, stair units, soft scenery and other aspects of Stagecraft.

THE 1052 | Production Stage Management I
Lecture/Lab Credit: 3

Focuses on the basics of stage management, including making a stage manager`s book, organizational methods and protocols of production, calling cues in production and personnel relationships and responsibilities.

THE 1075 | Special Topics
Provides the student with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

THE 2000 | Paint/Draw/Rende/Model Techs
Lecture/Lab Credit: 3

Introduces art techniques that are needed specifically in Theatrical Design. Techniques will include painting, rendering of scenic, lighting, costume designs, and model construction techniques.

THE 2011 | Development of Theatre Greek to Renaissance: GT-AH1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

THE 2012 | Development of Theatre Restoration to Modern: GT-AH1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

THE 2013 | Intermediate Acting I
Lecture/Lab Credit: 3

Continues Acting Theatre 1012. Emphasis is on artistic concentration of voice and movement. A detailed character biography is required.

THE 2015 | Playwriting: GT-AH1
Lecture Credit: 3

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. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

THE 2016 | Theatre Lighting and Design
Lecture/Lab Credit: 3

Focuses on the theory and practice of stage lighting. Topics include basic electrical theory, color theories, rigging and design of lighting for thr performing arts.

THE 2020 | Directing I
Lecture/Lab Credit: 3

Covers basic techniques for stage directing in contemporary theatre. Topics to be covered include stage composition, script analysis, work with actors, and the collaborative role of the director.

THE 2021 | Set Design for Film & Theatre
Lecture/Lab Credit: 3

Emphasizes two- and three-dimensional drawing and designs and color theory. Students construct 3-D models and a theatrical stage set.

THE 2026 | Theatre: Sound Operation and Design I
Lecture/Lab Credit: 3

Explores the fundamental processes required to create a conceptual sound design for a stage play. Students apply skills gained in this course to an actual production.

THE 2031 | Theatre Production III
Studio Art Credit: 3

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 2032 | Theatre Production IV
Studio Art Credit: 3

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 2040 | Theater Voice and Diction
Lecture/Lab Credit: 3

Provides students with individual tutorials which define, design and apply specific vocal techniques to abate singing and speech difficulties. Master class performances provide the opportunity to conjure the energy, charisma and stage command necessary for presentations.

THE 2041 | Stage Properties
Lecture/Lab Credit: 3

Offers the fundamentals of set dressing/stage properties theory and practice, including plot design, period style, set props, hand props, production paperwork and scene changes.

THE 2046 | Rehearsal & Performance
Studio Art Credit: 1

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 2047 | Rehearsal & Performance II
Studio Art Credit: 2

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 2048 | Rehearsal & Performance III
Studio Art Credit: 3

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 2050 | Practical Theatre Technologies
Lecture/Lab Credit: 3

Trains students in basic applications utilizing specific technologies used in modern theatrical production. The course emphasizes working with electricity and electronics (including basic soldering), basic computer-aided design, basic computer networking for sound and lighting, and troubleshooting concepts applied to contemporary theatre technologies.

THE 2075 | Special Topics: Theatre
Explores current topics, issues and activities related to one or more aspects of the named discipline.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

THE 2084 | Internship: Theatre
Internship Credit: 0-12

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.

THE 2085 | Independent Study
Independent Study Credit: 0-12

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

Veterinary Technology (VET)

VET 1002 | Veterinary Medical Terminology
Lecture Credit: 1

Introduces the student to the structure of veterinary 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 the veterinary specific setting.
Prerequisite: Admission into the Veterinary Technology or Veterinary Technology Assistant program

VET 1003 | Veterinary Assistant Restraint and Handling
Lecture/Lab Credit: 2

Introduces students to basic animal care skills and clinical procedures common to a veterinary assistant in practice. Laboratories provide practice in restraint, grooming and physical exam techniques.

VET 1004 | Assistant Large Animal Nursing
Lecture/Lab Credit: 1

Presents commonly encountered medical and surgical conditions of common large animal species with emphasis on the role of the veterinary assistant. This course focuses on handling and specific skills necessary for the profession.
Prerequisite: Admission into the Veterinary Technology Assistant Program.

VET 1008 | Introduction to Laboratory Procedures
Lecture Credit: 2 Lab Credit: 1

Studies the biology, clinical appearance and laboratory diagnosis of parasitic diseases of veterinary and zoonotic importance.
Prerequisite: BIO 1111 and ENG 1021 with a grade of C or better, and admission into the Veterinary Technology program

VET 1009 | Applied Comprehension Animal Behavior
Lecture Credit: 3

Explores the topic of companion animal behavior through: critical reviews of behavioral literature and its implications for applied techniques in behavior, demonstrations of applied techniques for modifying animal behavior and the application of the principles of companion animal body posture and communication to everyday treatment of animals. Focuses on treatment of animals in veterinary practice, including improving handling techniques and safety.

VET 1014 | Vet Assist Lab & Clinical Procedures
Lecture/Lab Credit: 3

Covers selected areas of common laboratory and diagnostic imaging procedures performed in a veterinary hospital. Emphasis is on assisting the veterinarian and/or veterinary technician with these procedures.

VET 1015 | Surgical Nursing
Lecture Credit: 1 Lab Credit: 1

Provides the student with limited background in veterinary medicine, familiarity with instruments, surgical support equipment, and proficiency in the proper preparation of the operating room.
Prerequisite: VET 1008, VET 1016, and VET 2005 with a grade of C or better

VET 1016 | Humane Treatment and Handling of Animals
Lecture/Lab Credit: 3

Focused upon animal welfare and humane treatment during handling and restraint, behavior, safety, equipment choice, and typical clinical procedures.
Prerequisite: Admission into the Veterinary Technology program

VET 1017 | Veterinary Assistant Surgery and Nursing Care
Lecture/Lab Credit: 2

Introduces surgical assisting of the veterinarian and/or the veterinary technician, including basic knowledge of surgical instruments and surgery room hygiene. It also introduces basic nursing care of animal patients including safety concerns and nursing procedures.
Prerequisite: Admission into the Veterinary Technology Assistant Program

VET 1020 | Office Procedures and Relations
Lecture Credit: 2

Presents common veterinary office procedures including administration,professional etiquette, client relations,career development and job searching skills. Enrichment of computer skills in relationship to current veterinary mangement software will be emphasized.
Prerequisite: Admission into the Veterinary Technology or Veterinary Assistant program

VET 1034 | Diagnostic Imaging
Lecture Credit: 1 Lab Credit: 1

Covers selected areas of diagnostic imaging with an emphasis on radiology. Topics will include radiation properties, x-ray production, radiographic equipment, darkroom procedures, the radiographic image, animal positioning and radiation safety. An introduction to special imaging techniques such as computed tomography (CT scan) and ultrasound will also be included.
Prerequisite: VET 1008, VET 1016, VET 2005, and VET 2006 with a grade of C or better
Corequisite: VET 2080

VET 1072 | First Year Clinical Rotation
Clinical Credit: 1

Examines basic animal care, examination, and handling skills essential for veterinary technicians including demonstrating an understanding of animal behavior, restraining cats and dogs in a safe and effective manner, performing thorough physical examinations on cats and dogs, obtaining accurate physiological data on cats and dogs, obtaining a complete patient history, performing a nail trim, administering vaccines and collecting a blood sample from a cat or dog.
Corequisite: VET 1082

VET 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.
Prerequisite: This course may require prerequisites or permission of instructor

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

VET 1082 | Internship
Internship Credit: 2

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: VET 1008, VET 1016, VET 1020, and VET 2005 with a grade of C or better
Corequisite: VET 1072

VET 1083 | Internship
Internship Credit: 2

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: VET 1002, VET 1003, VET 1004, VET 1009, VET 1014, VET 1017, AND VET 1020 with a grade of C or better
Corequisite: VET 1002, VET 1003, VET 1004, VET 1009, VET 1014, VET 1017, AND VET 1020

Note: The prerequisite courses can be taken either before or concurrently with VET 1083.

VET 1206 | Exotic Animal Handling
Lecture/Lab Credit: 2

Designed to provide students knowledge and skills required for veterinary technicians. This course focuses on exotic animal husbandry, handling, restraint, and specific problems encountered with exotic animals.
Prerequisite: VET 1008, VET 1016, and VET 2005 with a grade of C or better

VET 1241 | Clinical Laboratory Procedures
Lecture Credit: 3 Lecture/Lab Credit: 1

Discusses the biochemical derangements that characterize disease. Topics include proper collection and analysis of urine, blood, and cytological samples; basic principles of anatomic pathology; necropsy procedure and sample collection.
Prerequisite: VET 2023, VET 2024, VET 1072, and VET 1082 with a grade of C or better

VET 2005 | Veterinary Anatomy and Physiology I
Lecture Credit: 3 Lab Credit: 1

Provides background in the anatomy and physiology of animals. The class covers the structure and function of each body system, including skeletal, muscular, circulatory, integumentary, and respiratory. Other subjects include principles of metabolism and unique characteristics of common domestic species. Applied laboratory experiences are included.
Prerequisite: BIO 1111 and ENG 1021 with a grade of C or better, and admission into the Veterinary Technology program

VET 2006 | Veterinary Anatomy and Physiology II
Lecture Credit: 3 Lab Credit: 1

Provides additional detail in anatomy and physiology of companion and farm animal species. The class covers interrelationships between body systems, such as respiratory, cardiovascular, urogenital, and reproductive. Additional topics include metabolism and digestion, acid/base balance, neuroendocrinology, and reproductive endocrinology. Applied laboratory experiences are included.
Prerequisite: VET 1008, VET 1016, and VET 2005 with a grade of C or better

VET 2023 | Introduction to Anesthesia
Lecture/Lab Credit: 1

Examines basic principles in veterinary anesthesiology; including the role of the veterinary technician anesthetist, important concepts relating to various types of anesthesia, preparation of anesthetic equipment and machines, pre-operative patient management, and recording information during anesthesia.
Prerequisite: VET 2005, VET 1008, and VET 1016 with a grade of C or better

VET 2024 | Pharmacology for Veterinary Technicians
Lecture/Lab Credit: 3

Provides background in pharmacology principles including topics such as: mechanism of drug action, types of drugs, anesthetic agents, pharmacy management and calculations related to drug dosages.
Prerequisite: VET 1008, VET 1016, VET 1020, and VET 2005 with a grade of C or better

VET 2025 | Anesthesiology
Lecture Credit: 2 Lab Credit: 1

Covers appropriate forms of injectable and gaseous anesthesia for surgical and diagnostic procedures. Other topics include anesthesia monitoring, emergency procedures, and control of post-surgical pain.
Prerequisite: VET 1008, VET 1015, VET 1016, VET 1020, VET 1082, VET 2005, VET 2006, VET 2023, and VET 2024 with a grade of C or better

VET 2027 | Animal Nutrition
Lecture Credit: 2

Gives students a foundation in the principles of animal nutrition. The course focuses on the basic elements of nutrition including the major categories of nutrients, and their sources, digestion, and metabolism. Both large and small animal feeds and feeding will be covered. The course emphasizes the relationship between nutrition and health.
Prerequisite: VET 2005 and VET 2006 with a grade of C or better

VET 2032 | Veterinary Dentistry
Lecture Credit: 1

Examines essentials in veterinary dentistry as it concerns the veterinary technician; including dental morphology, performing a dental exam, identifying common dental problems, equipment used to perform a professional dental cleaning, the proper steps to perform a dental cleaning, and the role of a veterinary technician in client education and preventative home care.

Corequisite: VET 2038

VET 2038 | Small Animal Nursing
Lecture Credit: 1 Lab Credit: 1

Presents commonly encountered medical and surgical conditions of the dog and cat with emphasis on the role of the veterinary technician. This course focuses on nursing concepts and specific skills necessary for the profession. Laboratory sessions will provide a hands-on teaching experience.

Prerequisite: VET 2025, VET 2027, VET 1241, and VET 2081 with a grade of C or better
Corequisite: VET 2032

VET 2039 | Large Animal Nursing
Lecture Credit: 1 Lab Credit: 1

Presents commonly encountered medical and surgical conditions of common large animal species with emphasis on the role of the veterinary technician. This course focuses on nursing concepts and specific skills necessary for the profession. Laboratory sessions will provide a hands-on teaching experience.

Prerequisite: VET 2025, VET 2027, VET 1241, and VET 2081 with a grade of C or better

VET 2042 | Veterinary Critical Care
Lecture Credit: 2

Provides instruction in appropriate nursing assessment, monitoring and intervention with emergencies. Uses knowledge and understanding of overall anatomy, physiology, and disease or accident process to assist in veterinarian's diagnoses and treatment.

Prerequisite: VET 2025, VET 1241, and VET 2081 with a grade of C or better

VET 2043 | Veterinary Diagnostic Microbiology
Lecture Credit: 2 Lab Credit: 1

Includes the biology, clinical appearance and laboratory diagnosis of bacterial and viral diseases of veterinary and zoonotic importance.

Prerequisite: VET 2005 and VET 2006 with a grade of C or better

VET 2050 | Clinical Competency Evaluation
Lecture Credit: 1

Evaluates the students` clinical skills and knowledge after successful completion of the internship courses, in order to prepare them for the national board examination and clinical practice. Evaluation of clinical skills and knowledge includes selected clinical laboratory techniques (parasitology, hematology, urinalysis, cytology, chemistry, serology, microbiology); diagnostic imaging; office procedures; surgical preparation, instrumentation and assistance; anesthesia induction, maintenance and monitoring; restraint and handling techniques; small, large and laboratory animal diagnostic and therapeutic techniques; and pharmacology calculations, labeling and drug classification.

Prerequisite: VET 1008, VET 1015, VET 1016, VET 1020, VET 1034, VET 1082, VET 2080, VET 2005, VET 2006, VET 2024, VET 2025, VET2027, VET 1241, VET 2081 with a grade of C or better

VET 2080 | Diagnostic Imagining Internship
Lecture Credit: 1

Focuses on use of radiographic equipment, positioning of animals for radiographs, developing a technique chart and radiographic film. This is a 1 credit class which requires 45 contact hours in a private practice or research related facility.

Prerequisite: VET 1016, VET 2005, and VET 2006 with a grade of C or better
Corequisite: VET 1034

VET 2081 | Internship II
Internship Credit: 3

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: VET 1082 with a grade of C or better

VET 2082 | Internship III
Internship Credit: 4

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: VET 2081, VET 2025, and VET 1241 with a grade of C or better

Welding, Fabrication (WEL)

WEL 1000 | Safety for Welders
Lecture Credit: 1

Covers the hazards of welding on health and safety, locating essential safety information from a code or other standard, and identifying and applying shop safety procedures.

WEL 1001 | Allied Cutting Processes
Lecture/Lab Credit: 4

Covers setting up equipment and performing cutting and gouging operations utilizing the oxyacetylene, air carbon arc, exothermic, and plasma arc cutting processes. This course will also provide an introduction to blueprint reading.

Prerequisite: WEL 1000 with a grade of C or better
Corequisite: WEL 1000

WEL 1002 | Oxyacetylene Joining Processes
Lecture/Lab Credit: 4

Introduces safety inspections, minor repairs, operating parameters, oxyacetylene welding equipment, and oxyacetylene welding, brazing, and soldering operations. Blueprint reading skills will be practiced in this course.

Prerequisite: WEL 1000 with a grade of C or better
Corequisite: WEL 1000

WEL 1003 | Basic Shielded Metal Arc I
Lecture/Lab Credit: 4

Covers performing safety inspections, making minor repairs, adjusting operating parameters, and operating SMAW equipment utilizing E-6010 electrodes. Layout procedures and practices will also be introduced.

Prerequisite: WEL 1001, WEL 1002, WEL 1006, and MAT 1150 (or any 4 credit math higher than MAT 1150) with a grade of C or better
Corequisite: WEL 1006 and MAT 1150 (or any 4 credit math higher than MAT 1150)

WEL 1006 | Blueprint Reading for Welders and Fitters
Lecture/Lab Credit: 4

Covers interpreting weld symbols on blueprints, identifying proper layout methods and tools, and proper joint design necessary for various welding processes.

WEL 1007 | Railroad Welding I Mechanical Structural Welding and Cutting Basics
Lecture/Lab Credit: 3

Introduces fundamental cutting and welding skills required for welding to D15.1 Railroad welding Specification-Cars and Locomotives code.
Prerequisite: Department chair approval

WEL 1008 | Railroad Welding II - Mechanical Structural Stick Welding
Lecture/Lab Credit: 3

Develops the fundamental Shielded Metal Arc Welding (SMAW) skills, including theory, safety, and equipment set up and operation for welding to D15.1 Railroad welding Specification-Cars and Locomotives code.
Prerequisite: Department chair approval

WEL 1009 | Railroad Welding III - Mechanical Structural Wire Welding
Lecture/Lab Credit: 3

Develops the fundamental Gas Shielded Flux Cored Arc Welding (FCAW-G) skills, including theory, safety, and equipment set up and operation as it applies to the American Welding Society (AWS) D15.1 Railroad welding Specification-Cars and Locomotives code.
Prerequisite: Department chair approval

WEL 1010 | Advanced Shielded Metal Arc I
Lecture/Lab Credit: 4

Covers safety inspections, minor repairs, operating parameters, operation of SMAW equipment, and SMAW operations on groove and fillet welds utilizing E-6010 and E-7018 electrodes. Layout procedures will be practiced during this course.
Prerequisite: WEL 1003 and MAT 1150 with a grade of C or better

WEL 1011 | Advanced Shielded Metal Arc II
Lecture/Lab Credit: 4

Covers safety inspections, minor repairs, operating parameters, operation of SMAW equipment utilizing various electrodes, essential welding information from codes or other standards, and performance of weld inspections.
Prerequisite: WEL 1010 with a grade of C or better

WEL 1024 | Introduction to Gas Tungsten Arc Welding
Lecture/Lab Credit: 4

Covers welding in all positions and on various joint configurations using the GTAW (tig) welding process on carbon steel, stainless steel and aluminum. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry.
Prerequisite: WEL 1001, WEL 1002, WEL 1006, and MAT 1150 (or any 4 credit math higher than MAT 1150) with a grade of C or better
Corequisite: WEL 1006 and MAT 1150 (or any 4 credit math higher than 1150)

WEL 1025 | Introduction to Gas Metal Arc Welding
Lecture/Lab Credit: 4

Covers welding in all positions and on various joint configurations using the GMAW (mig) welding process on carbon steel, stainless steel and aluminum. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry.
Prerequisite: WEL 1001, WEL 1002, WEL 1006 and MAT 1150 (or any 4 credit math higher than MAT 1150) with a grade of C or better
Corequisite: WEL 1006 and MAT 1150 (or any 4 credit math higher than MAT 1150)

WEL 1050 | AWS Qualification Testing
Lecture/Lab Credit: 1

Provides students with the opportunity to complete a welding qualification test in accordance with an American Welding Society code or specification.
Prerequisite: Department chair permission

WEL 1075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest
Prerequisite: This course may require prerequisites or permission of instructor
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

WEL 1076 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest
Prerequisite: This course may require prerequisites or permission of instructor
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

WEL 1077 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest
Prerequisite: This course may require prerequisites or permission of instructor
Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

WEL 1078 | Seminar/Workshop
Lecture/Lab Credit: 1-6

Provides students with an experiential learning experience.
Prerequisite: WEL 1001, WEL 1002, and WEL 1006 with a grade of C or better

WEL 2002 | Gas Metal Arc Welding II
Lecture/Lab Credit: 4

Covers safety inspections, minor repairs, operating parameters, operation of GMAW equipment utilizing a variety of electrodes and base metals, and fundamental principles of welding metallurgy to welding, fabrication, and inspection.
Prerequisite: WEL 1025 with a grade of C or better

WEL 2024 | Advanced Gas Tungsten Arc Welding
Lecture/Lab Credit: 4

Covers welding in all positions on carbon steel, stainless steel and aluminum plate and carbon steel pipe with the GTAW process. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry.
Prerequisite: WEL 1024 and MAT 1150 with a grade of C or better

WEL 2030 | Pipe Welding I
Lecture/Lab Credit: 4

Covers safety inspections, minor repairs, operating parameters, and operation of SMAW, GMAW, and FCAW equipment in a variety of positions on plain carbon steel pipe joints. Also covers evaluating and solving complex welding and fabrication problems and administering hands on training and supervision to other students during assigned fabrication and welding operations.
Prerequisite: WEL 1010 and WEL 1024 with a grade of C or better, or department chair permission

WEL 2051 | Design, Layout and Fabrication
Lecture/Lab Credit: 4

Develops advanced welding and associated skills in the use of drawings and blueprints in planning. This course includes designing and layout projects.
Prerequisite: WEL 1024 with a grade of C or better

COURSES

WEL 2064 | Creative Welding
Lecture/Lab Credit: 4

Introduces design and construction of welded sculptures with the use of different fabrication techniques. This course includes uses of different metalworking machines, hot and cold working practices, and demonstration of coloring and texturing metal.

Prerequisite: WEL 1001, WEL 1002, and WEL 1006 with a grade of C or better

WEL 2080 | Internship
Internship Credit: 3

Offers individualized instruction at job site. The student is encouraged to develop skills needed to enter employment in the welding industry.

Prerequisite: WEL 1011, WEL 1024, and WEL 1025 with a grade of Cor better; a grade point average of 2.5 or better; and department chair permission

Women's Studies (WST)

WST 2000 | Introduction to Women`s Studies: GT-SS3
Lecture Credit: 3

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. The course will examine topics such as sex role, 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 an 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. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

WST 2075 | Special Topics
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

WST 2100 | Women and Social Action: GT-SS3
Lecture Credit: 3

Enables students to gain an understanding of the role of the systems of oppression in society and avenues available to them to create both individual and collective change through social action. Each student becomes aware of their ability to enact change and the empowerment that process provides. We will explore issues of diversity including, but not limited to race, class gender, age and disability. The course emphasizes critical thinking skills and is informed by feminist pedagogy. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

WST 2200 | Goddesses and Women in Ancient World: GT-SS3
Lecture Credit: 3

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. It examines goddesses, rituals, and ceremonies and how the image of the Feminine Divine changed from matriarchal cultures through the establishment of patriarchal cultures. These topics will be viewed through diverse cultures, including European and non-European, from the Ancient World through the Middle Ages. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

WST 2300 | Women's Sexuality: GT-SS3
Lecture Credit: 3

Explores how different cultures have understood women's sexuality and the power of femininity. The course addresses theories of sexuality and erotic power, women's sexualities across cultures and throughout the lifespan, the perception of sexuality in religion and history, and creative visualizations of women's sexuality in literature, visual, musical and performance art. This course is a part of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: College Readiness in English

RIGHTS AND LEGAL NOTICES

The College reserves the right to

- change any provision or requirement of this catalog, including academic calendar dates, tuition and fees, pursuant to law, the rules of the State Board for Community Colleges and Occupational Education, or the Colorado Community College and Occupational Educational System, or College policy.
- cancel any course or program described in this catalog, at any time, without notice, and to change any other aspect of any course or program.
- require a student to withdraw at any time for health, safety, or other reasons, pursuant to appropriate policies and procedures, and to impose sanctions, according to established policy.
- dismiss students who are admitted based on false statements or documents. In such cases, students may be subject to a loss of all credit for work that may have been completed.

Student Rights
Student Code of Conduct
Effective June 1, 2014 | CCD.edu/StudentCode

CCD values involvement, integrity, lifelong learning and excellence. In the spirit of these values, we have the expectation that students adhere to a code of conduct, which is reflective of the values of the College.

MISSION STATEMENT

The Office of Student Conduct believes that student learning takes place outside the classroom as well as inside the classroom. Our goal is to use the conduct process as a tool for educating the student on personal conduct, ethical reasoning and community responsibility. We will treat each case individually and each student with respect. We will involve the entire community in a culture of conversation, where reporting is a natural byproduct of a sincere commitment to the safety, security and learning environment of the campus.

The Code of Conduct for Community College of Denver coincides with the Colorado Community College System policy on Student Disciplinary Procedure. According to CCCS policy SP 4-30, students are expected to adhere to the Student Code of Conduct and policies and procedures of the college.

Section I: Definitions
AHEC: refers to the Auraria Higher Education Center.

Cheating: includes, but is not limited to:

- use of any unauthorized assistance in taking quizzes, tests or examinations;
- dependence upon the aid of sources beyond those authorized by the faculty member in writing papers, preparing reports, solving problems, or carrying out other assignments; or
- the acquisition, without permission, of tests or other academic materials belonging to a member of the College faculty, staff or other students.

Senior Student Services Officer (SSSO): The individual designated by the College president to administer student affairs and be responsible for administering the College's Student Code of Conduct and this procedure. The SSSO may delegate student discipline to another individual (designee).

Code of Conduct: A document developed and published by each college in the Colorado Community College System, which defines prescribed conduct of students.

College: refers to Community College of Denver.

College Official: includes any person employed by the College performing assigned administrative or professional responsibilities.

College or Campus Premises: includes all land, buildings, facilities and other property in the possession of or owned, used or controlled by the Auraria Higher Education Center, including the adjacent streets and sidewalks, and also includes extended campus locations such as the Advanced Manufacturing Center and Lowry. This can include online classes as well.

College-Sponsored Activity: includes but is not limited to music and theater events, student activities, study abroad programs and student trips funded by the Office of Student Life.

College Suspension or Expulsion: An involuntary separation of the student from the College for misconduct not based on academic performance for a specified period of time.

Suspension is a separation that shall not exceed three academic terms per suspension for any singular offense or situation. While a student is suspended, he or she is not eligible for admission or re-admission at any of the community colleges within CCCS. Additionally, if a student is suspended at any of the other Auraria Campus institutions (i.e., Metropolitan State University of Denver or University of Colorado Denver), he or she will not be eligible for admission or re-admission at Community College of Denver (CCD). Once the suspension is lifted at any of the community colleges within CCCS, the student may be eligible for admission or re-admission.

Examples of suspension include, but are not limited to the following: the College, a department or program, a class, residence hall, use of a college facility or an activity.

Students may be suspended from one class period by the responsible faculty member or adjunct instructor. Longer suspensions can only be implemented by the CSSO or designee in accordance with this procedure.

Expulsion is an indefinite separation from the College. The student is not eligible for admission or re-admission at any of the community colleges within CCCS. Additionally, if a student is expelled at any of the other Auraria Campus institutions (i.e., Metropolitan State University of Denver or University of Colorado Denver), he or she will not be eligible for admission or re-admission at CCD.

In exceptional cases where a student wants to be considered for admission or re-admission after an expulsion has been implemented, the student bears the burden to prove the behavior that resulted in the expulsion has been resolved. It is within the College's discretion to admit or deny the student.

Conduct Officer: or "Senior Student Services Officer" is that person designated by the College president to be responsible for the administration of the Student Code of Conduct.

Day: Refers to working day unless otherwise noted below.

Faculty Member: "instructor" or "adjunct instructor" means any person hired by the College to conduct classroom or teaching activities or who is otherwise considered by the College to be a member of its faculty.

Impartial Decision Maker: means the vice president for Enrollment Administration and Student Success or designee.

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

Jurisdiction: College jurisdiction applies to student conduct that occurs on or off campus, including while a student or organization is participating in College-sponsored activities such as study abroad and student travel programs. The College may adjudicate off campus conduct when the continued presence of the student is likely to interfere with the educational process or the orderly operation of the campus; is likely to endanger the health, safety or welfare of the College community; or the offense committed by the student is of such a serious nature as to adversely affect the student's suitability as a member of the College community. The Student Code of Conduct shall apply to a student's conduct even if the student withdraws from school while a disciplinary matter is pending. In relevant cases, the student's use of electronic media in violating a standard of conduct may be

considered in the adjudication process regardless of where the electronic media originated.

Member of the College: includes any person who is a student, faculty member, College official, or any other person employed by the College.

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

Organization: means any number of persons who have complied with the formal requirements for College recognition. Student organization requirements can be found in the student organization handbook.

Other Disciplinary Sanction: fines, restitution, denial of privileges, assignment to perform services for the benefit of the College or community; or other sanction that does not result in the student being denied the right of attending classes.

Plagiarism: includes, but is not limited to, the use by paraphrase or direct quotations of the published or unpublished work of another person without full and clear acknowledgement. It also includes the unacknowledged use of materials prepared by another person or agency that may or may not be engaged in the selling of term papers or other academic materials.

Policy: is defined as the written regulations of the College as found in, but not limited to, the Student Code of Conduct, the Community College of Denver website, any Auraria Higher Education Center publications, College catalogs and class schedules, State Board for Community Colleges and Occupational Education (SBCCOE) policies and Colorado Community College System president's procedures.

Preponderance of Evidence: is the standard of proof used in all conduct proceedings under this Student Code of Conduct. A preponderance of evidence standard means that it is more likely than not that a violation occurred.

Probation: After a finding of a violation of the Code of Conduct, restriction of student's privileges for a designated period of time including the probability of more severe disciplinary sanctions if the student is found to be violating any College regulations during the probationary period.

Student: All persons taking courses at or sponsored by the College(s), both full-time and part-time, pursuing both undergraduate credit and non-credit courses and those concurrently attending secondary or post-secondary institutions and College. Persons who are not officially enrolled for a specific term, but who have a continuing relationship with the College are considered students.

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

Warning: A notice served upon the student advising him/her that he/she is violating or has violated College regulations.

Section II: Authority
1. The Office of Student Life and Office of Student Conduct is appointed by the College to adjudicate any potential violations of the Student Code of Conduct.
2. The Conduct Officer may develop policies for the administration of the student conduct program and procedural rules for the conduct of hearings that are consistent with provisions of the Student Code of Conduct. Including but not limited to, the utilization of alternative dispute resolution methods such as restorative justice and mediation.
3. Decisions made by the Conduct Officer shall be final, pending the normal appeal process.
4. The Conduct Officer may extend time limits for good cause demonstrated in writing.
5. The Conduct Officer may contact the Student Conduct Officers from Metropolitan State University of Denver, the Auraria Higher Education Center or the University of Colorado at Denver and Health Sciences Center on matters that involve students from any or all institutions.

Section III: Unsatisfactory Conduct
Community College of Denver expects its students to be accountable for their conduct and to represent the College in a positive, responsible manner. The Student Code of Conduct exists to provide parameters for students and their behavior as they represent the College during the entirety of their CCD experience.

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

1. **Academic Misconduct:** Plagiarizing, cheating, or committing any other form of academic misconduct including, but not limited to, unauthorized collaboration, falsification of information, and/or helping someone else violate reasonable standards for academic behavior. Students who engage in any type of academic dishonesty are subject to both academic consequences as determined by the instructor and to disciplinary action as outlined in the CCD disciplinary procedures. **Academic Acts of Dishonest/Misconduct may go through a joint process with faculty and the Office of Student Conduct.**
2. **Disruptive Behavior:** Engaging in any disruptive behavior that negatively affects or impedes teaching or learning (regardless of mode of delivery or class setting); or disrupts the general operation of the college.
3. **Deceptive Acts:** Engaging in deceptive acts, including, but not limited to: forgery, falsification, alteration, misrepresentation, non-disclosure, or misuse of documents, records, identification and/or educational materials.
4. **Conduct that is Detrimental to College or to Safety:** Conduct that is deemed detrimental, harmful and/or damaging to the college and/or that jeopardizes the safety of others as determined by the Dean of Student Life or designee. Examples include, but are not limited to, slamming doors, throwing chairs, and/or defacing of college property, or property of others.
5. **Physical/Non-physical Abuse:** Physical abuse or conduct that threatens or endangers another person's health or safety. Non-physical abuse, threats, intimidation, coercion, influence, or any unwelcome conduct in any form that is sufficiently severe, pervasive or persistent that it alters the conditions of the learning environment or employment. Knowingly falsifying, publishing or distributing, in any form, material that tends to impeach the honesty, integrity, virtue or reputation of another person.
6. **Harassment and/or Discrimination:** Discrimination or harassment on the basis of sex/gender, race, color, age, creed, national or ethnic origin, physical or mental disability, veteran status, pregnancy status, religion or sexual orientation.
7. **Sexual Misconduct:** Sexual Misconduct offenses include, but are not limited to sexual harassment, non-consensual sexual contact (or attempts to commit same), non-consensual sexual intercourse (or attempts to commit same), and/or sexual exploitation.
8. **Weapons:** Possession or distribution of any unauthorized firearms, ammunition, explosives, fireworks and/or other dangerous weapons (or chemicals/flammable liquids) or use/threat of use of any instrument (including, but not limited to paint ball guns, pellet guns, air soft guns, bow and arrows, knives) as a weapon to intimidate, harass, or cause harm to others.
9. **Narcotics/Alcohol:** Using, being under the influence, manufacturing, possessing, cultivating, distributing, purchasing, or selling of alcohol and/or drugs (illegal and/or dangerous or controlled substance) and/or alcohol/drug paraphernalia while on college-owned or college-controlled property, and/or at any function authorized or supervised by the College and/or in state owned or leased vehicles. *NOTE: Although possession and use of marijuana consistent with the requirements of the Colorado Constitution is no longer a crime in the State of Colorado, the possession and use of marijuana remains illegal under federal law. Consistent with federal law, including the Controlled Substances Act and the Drug Free Schools and Communities Act, the use and/or possession of marijuana continues to be prohibited while a student is on college-owned or college-controlled property, and/or any function authorized or supervised by the College and/or in state owned or leased vehicles.*
10. **Dress Code:** Dress or personal hygiene that fails to meet the established safety or health standards of specific classes or activities offered by the College.

11. **Leaving Children Unattended:** Leaving children unattended or unsupervised in campus buildings or on campus grounds unless enrolled or participating in authorized campus activities.

12. **Violation of Laws, Directives, and Signage:** Violating any municipal, county, state or federal law that adversely impacts the conditions of the educational or employment environment. Violations of College traffic and parking rules, regulations, or signage. Damage to or falsely using fire alarms and/or fire extinguishers. Creating an intentional obstruction that unreasonably interferes with freedom of movement, either pedestrian or vehicular. This includes, but is not limited to leading or inciting to disrupt college activities. Failure to comply with the lawful directives of College employees acting within the scope of their duties, including those directives issued by a College administrator to ensure the safety and well-being of others. Violations of college policies, protocols, procedures or signage.

13. **Illegal Gambling:** Participation in illegal gambling activities on college owned or college controlled property, and/or any function authorized or supervised by the college and/or in state-owned or leased vehicles.

14. **Unauthorized Entry and/or Unauthorized Possession:** Entry into, or use of any building, room, or other college-owned or college-controlled property, grounds, or activities without authorized approval. This also includes, but is not limited to the unauthorized possession, duplication or use of college keys, lock combinations, access codes, and access cards and/or credentials and/or propping open or tampering with doors/ windows.

15. **Unacceptable Use of College Equipment, Network or System:** Unacceptable uses of any college-owned or operated equipment, network or system including, but not limited to: knowingly spreading computer viruses; reposting personal communications without author's consent; copying protected materials; using the network for financial or personal gain, commercial activity, or illegal activity; accessing the network using another individuals account; unauthorized downloading/ uploading software and/or digital video or music; downloading/uploading, viewing or displaying pornographic content, or any other attempt to compromise network integrity.

16. **Unauthorized Pets/Animals:** Possession of any unauthorized pet or animal, excluding trained service animals while on college-owned or college-controlled property. Reasonable behavior is expected from service animals while on campus. If a service dog, for example, exhibits unacceptable behavior, the owner is expected to employ the proper training techniques to correct the situation. The owners of disruptive and aggressive service animals may be asked to remove them from college facilities. If the improper behavior happens repeatedly, the owner may be told not to bring the service animal into any facility until they take significant steps to mitigate the behavior. The service animal will be treated as an extension of the student and the student will be held responsible for the service animal's behavior.

17. **Tampering with Student Organization, Election, or Vote:** Tampering with the process of any college-recognized student organization, election or vote.

18. **Group or Organization Conduct:** Students who are members of a college-recognized student organization or group and commit a violation of SCOC may be accountable both as an individual and as a member of the student organization.

19. **Abuse of the Student Disciplinary and/or Grievance Procedure:** Abuse of the Student Disciplinary and/or Grievance Procedure includes, but is not limited to the following:
    • Disruption or interference with the orderly conduct of the student disciplinary / grievance procedure.
    • Falsification, distortion, or misrepresentation, or knowingly pursuing malicious, frivolous, or fraudulent charges.
    • Attempting to discourage an individual's proper participation in, or use of, the student disciplinary / grievance procedure.
    • Attempting to influence the impartiality of a participant and/or the student disciplinary / grievance procedure.
    • Harassment (verbal or physical) and/or intimidation of a participant in the student disciplinary / grievance procedure.
    • Failure to comply with directives and/or sanctions imposed under student disciplinary / grievance procedure.
    • Influencing or attempting to influence another person to commit an abuse of the student disciplinary / grievance procedure.

• Engaging in retaliatory acts in any form against any person or person(s) involved in the student disciplinary / grievance procedure.

20. **Violation of College policies, rules, or regulations** which are published in hard copy or available electronically on the College website, the Auraria Higher Education Center (AHEC) website, or the Colorado Community College website which outlines SBCCOE policies and System President procedures.

21. **Camping/Residing:** In accordance with published AHEC policy #30: Auraria campus facilities and grounds shall not be used for camping, regardless of the duration or purpose of the use. Camping shall be defined as the use of Auraria campus facilities or grounds for living accommodations or housing purposes such as overnight sleeping or making preparations for overnight sleeping (including the laying down of bedding for the purpose of sleeping), the making of any fire for cooking, lighting or warmth, or the erection or use of tents, motor vehicles, or other structures for living or shelter. These activities constitute camping when it reasonably appears, in light of all the circumstances, that the participants conducting these activities are intending to use or are using the facilities or grounds for living accommodations or housing, regardless of the duration or other purpose of the use.

22. **Smoking in buildings and outside of designated areas:** In accordance with AHEC policy, the smoking of any substance is strictly prohibited in all buildings on the Auraria Campus, including those in the institutional neighborhoods and buildings owned by the constituent institutions therein. Smoking, for the purposes of this policy, shall include the use of e-cigarettes, electronic vaping devices, personal vaporizers, electronic nicotine delivery systems, or other such devices which vaporize substances to simulate smoking. To review full policy: http:// www.ahec.edu/files/general/Policy-Smoking.pdf

Please note: In most circumstances, college will treat attempts to commit code of conduct violations as if those attempts had been completed.

Note: Violation of Law and Student Code of Conduct
Proceedings initiated under these procedures are separate from civil or criminal proceedings that may relate to the same incident. Investigations or conduct proceedings by the College are not postponed while criminal or civil proceedings are pending unless otherwise determined by the Conduct Officer.

Section IV: Conduct Processes
Note: Because email is an official method of communication for the College, students may be notified over email of potential violations of the Student Code of Conduct.

1. **Standard of Proof**
   The College views the conduct process as a learning experience that can result in growth and personal understanding of one's responsibilities and privileges within the College community. It is not intended to be a substitute for civil or criminal legal proceedings, and is designed to provide a fair evaluation of whether or not a student has violated the Student Code of Conduct. Formal rules of evidence do not apply in the College's conduct process. The College uses a preponderance of evidence standard when determining responsibility for alleged violations of the Student Code of Conduct. A preponderance of evidence means that what is alleged to have happened is, more likely than not, what actually happened. This shall be the standard of proof used in all conduct proceedings under this Code.

2. **Incident Process**
   a. **Incident Submission:** Faculty, staff, or students can file an incident report of alleged violation at CCD.edu/IncidentReport.
   b. **Incident Review:** The Conduct Officer reviews all reports and information received from college departments, staff, faculty, officials, students, community members, or police to determine if there is sufficient information to indicate that the Student Code of Conduct has been violated. If the allegations of misconduct are discrimination and/or harassment based on federal or state civil rights laws, the college will investigate those incidents through the Civil Rights Grievance and Investigation Process, System President's Procedure (SP) 4-31a.
   c. **Written Notification:** The Conduct Officer or designee will notify the student in writing (via student email) that information has been received which indicates a potential violation of specific standards in the Code of Conduct. The written notification will provide cursory

details of the incident along with the charges. The letter will ask the student to schedule a meeting with the Conduct Officer.

d. **Conduct Meeting:** The student will have a chance to meet with the Conduct Officer to discuss the situation. The student will have the opportunity at that meeting to review the written documentation of the incident and present any information that is relevant to the incident. If the student chooses not to meet with the Conduct officer within the timeline stated in the Written Notification, a decision may be made in the student's absence. In addition, a hold may be placed on the student's account which will prevent the student from registering until the process is completed.

e. **Decision:** Once the investigation is complete, either through this process or the Civil Rights Grievance and Investigation process, the SSSO or designee shall render a sanction decision. The SSSO or designee may decide that the charges can be disposed of administratively by mutual consent of the parties involved on a basis acceptable to them. If an administrative resolution is not achieved, the SSSO or designee shall issue a decision which determines whether the alleged conduct occurred; whether the conduct violated the Code of Conduct or College procedures; and impose a sanction(s) if appropriate.

f. **Decision Letter:** Each incident involving an alleged violation of the Code of Conduct will be concluded with a Letter outlining the Conduct Officer's decision of "responsible" or "not responsible" for the potential charges. The letter will also include any sanctions which the Conduct Officer deems appropriate in response to the situation. If a student chooses not to complete the sanctions within the timeline stated in the letter, a hold will be placed on the student's registration.

g. **Appeal:** Any student found responsible for a violation of the Code of Conduct may appeal the decision within seven working days to the vice president for Enrollment Administration and Student Success. Please refer to Section IV.E. for details on the appeal process.

h. **Appeal Decision:** The Student will be informed in writing of the outcome of the appeal.

3. **Sanctions**

One or more of the following may be imposed when there is a finding that a student has violated the Student Code of Conduct.

1. Warning: A Notice served upon the student advising him/her that he/she is violating or has violated College regulations.

2. Probation: After a finding of a violation of the Code of Conduct, restriction of students privileges for a designated period of time including the probability of more severe disciplinary sanctions if the student is found to be violating any College regulations during the probationary period.

3. Other disciplinary sanction: Fines, restitution, denial of privileges, assignment to perform services for the benefit of the college or community; or other sanction that doesn't result in the student being denied the right of attending classes.

4. College suspension or expulsion: An involuntary separation of the student from the College for misconduct not based on academic performance for a specified period of time.

   a. Suspension is a separation that shall not exceed three academic terms per suspension for any singular offense or situation. While a student is suspended, he or she is not eligible for admission or re-admission at any of the community colleges within CCCS. Additionally, if a student is suspended at any of the other Auraria Campus Institutions (i.e., Metropolitan State University of Denver or the University of Colorado Denver), he or she will not be eligible for admission or re-admission at Community College of Denver (CCD). Once the suspension is lifted at any of the community colleges within CCCS, the student may be eligible for admission or re-admission. Examples of suspension include, but are not limited to the following: the college, a department or program, a class, residence hall, use of a college facility or an activity. Students may be suspended from one class period by the responsible faculty member or adjunct instructor. Longer suspensions can only be implemented by the SSSO or designee in accordance with this procedure.

   b. Expulsion is an indefinite separation from the college. The student is not eligible for admission or re-admission at any of the community colleges within CCCS. Additionally, if a student is expelled at any of the other Auraria Campus Institutions (i.e., Metropolitan State University of Denver or University of Colorado Denver), he or she will not be eligible for admission or re-admission at CCD. In exceptional cases where a student wants to be considered for admission or re-admission after an expulsion has been implemented, the student bears the burden to prove the behavior that resulted in the expulsion has been resolved. It is within the colleges discretion to admit or deny the student

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

6. Alternative Dispute Resolution: During the conduct procedures, the conduct officer may determine that an Alternative Dispute Resolution may be effective for repairing the violation. This resolution may take the following forms: Mediation, Restorative Justice, and other alternatives for a low-level resolution.

e. **Appeals**

Appeal (as directed in the CCCS Policy SP 4-30)

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

1. A material procedural or substantive error occurred that significantly impacted the outcome of the hearing (e.g. substantiated bias, material deviation from established procedures); which must be explained in the written appeal; or

2. To consider new evidence, unavailable during the investigation or hearing that could substantially impact the original finding or sanction. A summary of this new evidence and its potential impact must be included in the written appeal, as well as the reasons the new evidence was not available during the original proceeding.

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

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

The procedures governing the hearing of appeals include the following:

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

- If the appeals officer or committee determines there is new evidence or error in the original proceeding, every opportunity to return the appeal to the SSSO or designee for reconsideration (remand) should be pursued;

- Appeals are not intended to be full rehearings of the complaint (de novo). In most cases, appeals are confined to a review of the written documentation or record of the original hearing, and pertinent documentation regarding the grounds for appeal;

- An appeal is not an opportunity for an appeals officer or committee to substitute their judgment for that of the SSSO or designee merely because they disagree with its finding and/or sanctions.

- Appeals decisions are to be deferential to the original decision, making changes to the findings only where there is clear error and a compelling justification to do so.

- Sanctions imposed are implemented immediately unless the SSSO or designee stays their implementation in extraordinary circumstances, pending the outcome of the appeal.

- The appeals officer or committee will render a written decision on the appeal to all parties within seven (7) days from receiving the appeal request. The committee's decision to deny appeal requests is final.

f. Release of Disciplinary Information
Disciplinary records are considered education records under the Family Educational Rights and Privacy Act (FERPA). As a result, these records are kept confidential in accordance with this law. Access to any student's disciplinary file shall be governed by provisions of FERPA, and the Campus Security Act (or "Clery Act") as amended. A written waiver signed by the student is required for release of disciplinary records to third parties not otherwise mandated by relevant law.

g. Student Conduct Procedure on Record Retention and Review
With the exception of cases in which the College has federally mandated reporting requirements, records will be kept according to the Colorado Community College System Records Retention Schedule.

h. Situational Considerations
Immunity for Victims/Survivors of Sexual Misconduct
Sometimes, victims/survivors are hesitant to report to campus officials because they fear that they themselves may be charged with policy violations, such as underage drinking at the time of the incident. It is in the best interest of this community that as many victims/survivors as possible choose to report to institutional officials. To encourage reporting, the Community College of Denver pursues a practice of offering victims/survivors of sexual misconduct limited immunity from being charged for conduct violations related to the sexual misconduct incident (particularly in regard to alcohol and drugs). While violations cannot be completely overlooked, the institution will provide educational options rather than punishment in such cases. Students who report sexual assault will not have a formal conduct record for alcohol or drug violations.

Good Samaritan
Sometimes, students are hesitant to offer assistance to others, for fear that they may get themselves in trouble (for example, as student who has been drinking underage might hesitate to help take a sexual misconduct victim/survivor to the Campus Police). Community College of Denver pursues a practice of limited immunity for students who offer help to others in need. While policy violations cannot be overlooked, the institution will provide educational options, rather than punishment, to those who offer their assistance to others in need. In these cases a student will not receive a formal conduct record when seeking assistance for another.

i. Miscellaneous
Time limits for scheduling of hearings may be extended at the discretion of the Impartial Decision Maker.
The procedural rights afforded to students above may be waived by the student.

Students should be aware of the following policy:
Policy Statement Pursuant to statute, it is the Board's policy that there shall be no admission requirements imposed upon any student except those listed below concerning proof of immunization. Admission to a college does not guarantee enrollment in specific programs which may have prerequisites designed to facilitate successful completion. Admission may be denied in accordance with the provisions of this policy.

Proof of Immunization: Traditionally aged students seeking admission to residential colleges must show proof of immunization as required by Section 4, Title 25, Part Nine CRS and implementing rules prior to attending on-campus classes at the college. Nontraditional adult students are defined as those students who have attained the age of 19 years of age or older.

Review of Denial: Review of a denial of admission or denial of continued enrollment or re-enrollment of students shall be in accordance with the college's disciplinary procedures.

Procedures: The System President shall promulgate such procedures as may be necessary for the implementation of this policy.

Section V: Interpretation and Revision
A. Any question of interpretation regarding the Student Code of Conduct shall be referred to the vice president for Enrollment Administration and Student Success, dean of Student Life, director of Student Conduct or designee for final determination.

B. The Student Code of Conduct shall be reviewed periodically (and as needed).

In-Person Student Transactions
For each in-person student services transaction students are required to present an acceptable identification document before any action is taken. Examples of service transactions include but are not limited to those listed below.

- Issuing of student identification cards
- Financial Aid transactions
- Registration and Records transactions
- Transcript requests and releases
- Cashier transactions
- Testing services
- Admissions services
- Release of any part of the student record as defined by FERPA

Valid Identity and Verification of Age Documents
- CCD student ID card
- Colorado driver's license
- Colorado identification card
- A valid U.S. Passport
- Valid out-of-state driver's license
- Foreign passport with photo
- Military ID/Common Access Card
- Certificate of Naturalization with photo
- Certificate of Citizenship with photo
- Valid I-551
- Valid EAH/Temporary Resident
- Refugee/Asylee I-94 with photo
- BIA identification card with photo
- VA identification card with photo

Student Right to Know & Campus Security Act
This report was prepared by the Auraria Higher Education Center (AHEC) Campus Police Department and the Community College of Denver Dean of Students to comply with Federal Law No.101- 542, the Student Right-to-Know and the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act of 1999 (formerly the Campus Security Act of 1990).

For a paper copy of this report, contact the Director of Student Conduct and Support at 303.352.3205. The report describes security practices and procedures at the Auraria Higher Education Center and other Community College of Denver Satellite Locations, and lists crime statistics for the most recent calendar year and the two preceding calendar years. Since 1992, these institutions have been required to report each year on the status of campus security to all current students and employees.

View Updated Report | www.AHEC.edu/for-campus-faculty-staff/auraria-campus-police-department/clery-act/

Academic Freedom

CCD believes that education should help students function well in a dynamic society. To do so, students must gain knowledge and cultivate critical thinking skills. CCD faculty believes that no restrictions should hamper the spirit of investigation, free inquiry, and open discussion in the classroom. Faculty exercises professional judgment in selecting and interpreting ideas. They have the freedom to choose the methods of instruction, guidance, tutoring, testing, and evaluation to achieve these goals.

Campus Crime Information

The college provides to all prospective students and CCD employees the Campus Security Policies and Procedures and the most recent campus crime statistics. This is part of the Federal Law No.101-542, the Student Right-to-Know, and the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act of 1999 (formerly the Campus Security Act of 1990).

View Updated Report | www.AHEC.edu/for-campus-faculty-staff/auraria-campus-police-department/clery-act/

Sexual Misconduct Policies

Board Policy (BP) 3-120 and System President's Procedure (SP) 4-120 provide that Colorado Community College System shall not unlawfully discriminate based on sex/gender in its employment conditions or educational programs or activities. Sexual misconduct is a form of sex/gender discrimination.

The CCD community has the right to be free from sexual violence. All members of the CCD community are expected to conduct themselves in a manner that does not infringe upon the rights of others. Information from College Procedure HR-9, Sexual Misconduct, is provided below or view the procedure at CCD.edu/HR-7.

Sexual Misconduct offenses include, but are not limited to:

- Sexual Harassment
- Non-Consensual Sexual Contact (or attempts to commit same)
- Non-Consensual Sexual Intercourse (or attempts to commit same)
- Sexual Exploitation

Sexual Harassment is unwelcome, gender-based verbal or physical conduct that is sufficiently severe, persistent, or pervasive that it has the effect of unreasonably interfering with, denying, or limiting someone the ability to participate in or benefit from CCD's educational programs and/or activities, or work activities, and, the unwelcome behavior is based on power differentials (quid pro quo), the creation of a hostile environment, or retaliation.

- Quid pro quo sexual harassment exists when there are unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature, and, submission to or rejection of such conduct results in adverse educational or employment action; or affects the terms or conditions of education or employment, or activities with the College.
- Hostile environment includes any situation in which there is harassing conduct that is sufficiently severe, persistent, or pervasive that it alters the conditions of employment or limits, interferes with, or denies educational benefits or opportunities, from both a subjective (the alleged victim's) and an objective (reasonable person's) viewpoint.
- Retaliatory harassment is any adverse employment or educational action taken against a person because of the person's perceived participation in a complaint or investigation of discrimination or sexual misconduct.

Non-consensual sexual contact is any intentional sexual touching, however slight, with any object, by any individual upon any individual that is without consent and/or by force.

Non-consensual sexual intercourse is any sexual penetration however slight, with any object, by any individual upon any individual that is without consent and/or by force.

- Consent must be clear, knowing and voluntary. Consent is active, not passive. Silence, in and of itself, cannot be interpreted as consent. Consent can be given by words or actions, as long as those words or actions create mutually understandable clear permission regarding willingness to engage in (and the conditions of) sexual activity. Also, in order to give effective consent, one must be of legal age. Further, consent to any one form of sexual activity cannot automatically imply consent to any other forms of sexual activity. Previous relationships or prior consent cannot imply consent to future sexual acts.
- Force is the use of physical violence and/or imposing on someone physically to gain sexual access. Force also includes threats, intimidation (implied threats), and coercion that overcomes resistance or produces consent.
- Incapacitation is a state where someone cannot make rational, reasonable decisions because they lack the capacity to give knowing consent. Incapacitation could result from mental disability, sleep, involuntary physical restraint, or from the ingestion of rape drugs. Possession, use and/or distribution of any of these substances, including, but not limited to Rohypnol, Ketomine, GHB, Burundanga, etc. is prohibited, and administering one of these drugs to another person is a violation of this procedure. More information on these drugs can be found at 911rape.org. Having sex with someone whom you know to be, or should know to be, incapacitated (mentally or physically) is a violation of college procedure HR-9.

Sexual exploitation occurs when anyone takes non-consensual or abusive sexual advantage of another for his/her own advantage or benefit, or to benefit or advantage anyone other than the one being exploited, and that behavior does not otherwise constitute one of the other sexual misconduct offenses.

- Examples of sexual exploitation include, but are not limited to, invasion of sexual privacy, non-consensual video or audio-taping of sexual activity, or viewing or possessing child or adult pornography at work or on college-owned property.

CCD can only respond to allegations of misconduct if it is aware of the misconduct. Further, CCD can more effectively investigate the sooner the allegation is brought to its attention. Any employee, student, authorized volunteer, guest, or visitor who believes that he or she has been subjected to sexual misconduct, or believes someone else a part of the CCD community is being subjected to sexual misconduct, shall contact:

Title IX/EO Coordinator Patty Davies
Director of Human Resources
Campus Box 240
PO Box 173363
Administration Building, Room 310
303.352.3310
Patty.Davies@ccd.edu (patty.davies@ccd.edu)

CCD reserves the right to take whatever measures it deems necessary in response to an allegation of sexual misconduct in order to protect employee and students' rights and personal safety. For students, such measures include, but are not limited to: modification of living arrangements, class schedule reassignment, interim suspension from the College pending an investigation, and reporting the matter to the Auraria Campus Police.

Not all forms of sexual misconduct will be deemed to be equally serious offenses, and CCD reserves the right to impose different sanctions, ranging from verbal warning to expulsion, dismissal, termination, or no-trespass order, depending on the severity of the offense. CCD will consider the concerns and rights of both the complainant and the respondent.

Sexual Assault Policy for the Auraria Campus
Statement of Purpose

This Policy was developed collaboratively by the Auraria Higher Education Center ("Center") and its constituent institutions — Community College of Denver, Metropolitan State University of Denver and University of Colorado Denver — for the purpose of implementing provisions of the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, 20 U.C.S. ß 1092(f), relating to the response of the Auraria Campus Police Department and the constituent institutions to students who are victims of sexual assault. The Auraria Campus is committed to responding

appropriately to all reports of sexual assaults and to working collaboratively with other law enforcement and government and community agencies.

In the development of this Policy, the Auraria Campus also collaborated with the Sexual Assault Interagency Council and adhered to the spirit of the Denver Sexual Assault Response Protocol, which was signed by the chief executives of the constituent institutions on November 7, 2005. This Protocol is available online at www.DenverSAIC.org.

Policy Statement
The Center and its constituent institutions prohibit sexual assault, attempted sexual assault, and other sexual offenses on property owned or controlled by the Center or its constituent institutions, at institutionally-sponsored or supervised activities, or at functions of recognized student organizations. The Federal Bureau of Investigation's National Incident Based Reporting System of the Uniform Crime Report defines a sex offense in general as "any sexual act directed against another person, forcibly and/or against the person's will; or not forcibly or against the person's will where the victim is incapable of giving consent."

Support for Victims
Students who are victims of sexual offenses have access to various confidential counseling options with staff that are specifically trained in the area of sexual offenses and crisis intervention. Victims of sexual offenses can be seen confidentially through the Health Center at Auraria. During regular business hours, victims should call the Health Center at 303.556.2525 for immediate care or an appointment. After hours, victims should seek immediate assistance from Denver Health Medical Center at 8th and Bannock in Denver.

For additional resources, see below.

On the Auraria Campus
Health Center at Auraria
Available to any student—fees may apply.
www.MSUDenver.edu/HealthCenter | 303.556.2525 | Plaza 150

The Phoenix Center at Auraria
www.ThePCA.org | 303.556.6011 24/7 Helpline: 303.556.CALL (2255) | Tivoli Student Center, Room 259

Dean of Student Development & Retention
303.556.3605 | Confluence Building, Room 123

Local Law Enforcement Agencies
Denver District Attorney's Office
www.DenverDA.org | 720.913.9000 | Victims Compensation: 720.913.9253

Denver Police Department
www.DenverGov.org/Police

- Emergency: 911
- TDD/TTY: 720.913.2000
- Non-Emergency: 720.913.2000
- Victim Assistance Unit: 720.913.6035
- Sex Crimes Unit: 720.913.6050
- Sex Crimes Hotline: 720.913.6359

Community Agencies/Resources Available in the Denver/Metro area
Colorado Coalition Against Sexual Assault (CCASA)
www.CCASA.org | 303.839.9999

The Center for Trauma & Resilience
www.TraumaHealth.org

- Hotline: 303.894.8000 | TTY: 303.860.9555
- Administrative Line: 303.894.0660

Moving to End Sexual Assault (MESA)
www.MovingtoEndSexualAssault.org

- Hotline: 303.443.7300 | Administrative Office: 303.443.0400

The Blue Bench
www.TheBlueBench.org

- Hotline: 303.322.7273 | Spanish: 303.329.0031
- TTY: 303.329.0023
- Administrative Office: 303.329.9922

WINGS Foundation
www.WingsFound.org

Survivors of childhood sexual abuse; support groups for men and women.

- Phone: 303.238.8660 | Toll free: 800.373.8671

Community Specific Services / Resources
Colorado Anti-Violence Program
(Gay, Lesbian, Bisexual, Transgender and Queer)

www.COAVP.org

- Phone: 303.839.5204 | 24-hour crisis: 303.852.5094 or 1.888.557.4441

Statement Regarding Registered Sex Offenders
Colorado Revised Statutes requires that "each institution of post-secondary education in the state shall provide a statement to its campus community identifying the name and location at which members of the community may obtain the law enforcement agency information collected pursuant to 19-3-412(6.3), C.R.S., concerning registered sex offenders."

Information concerning persons who are required by Colorado law to register as sex offenders, including registered sex offenders who are enrolled, employed, or volunteering at CCD, may be obtained from the Denver Police Department, 1331 Cherokee St. (720.913.2000) or the Auraria Campus Police (303.556.3271).

Legal Notices
Alcohol & Drug Policy
By Gubernatorial decree and in compliance with applicable laws, the illegal use of alcohol, other drugs, or controlled substances when on campus is prohibited.

In addition to the policy described above, education, training, and treatment programs are available through the student life programs at each institution and through Auraria Human Resources. The campus may take action when policies on the use, possession, distribution, manufacture, and sale of illegal drugs have been violated. AHEC also cooperates with local, state, and federal authorities in the detection and possession of drug offenses.

Alcohol
AHEC alcohol policies apply to the Auraria Campus and institution-sponsored activities. Administrators, alumni, faculty, guests, staff, and students must adhere to all applicable state and local laws and regulations related to the sale and use of alcoholic beverages. The most common laws related to alcohol use and sales are as follows:

The sale of alcoholic beverages is prohibited except in areas, at times, and on dates licensed by the Colorado State Department of Revenue.

Persons under 21 years of age cannot legally possess or consume alcoholic beverages of any kind. The furnishing of alcoholic beverages to under-aged persons is prohibited.

Alcohol cannot be consumed or carried in open containers on any street, sidewalk, alley, automobile, or public area (except as noted herein).

Serving Alcohol
Those persons or organizations that control the service of alcoholic beverages are responsible for compliance with applicable laws and campus policies. Those policies are:

- Service of alcoholic beverages is planned to stop before the close of the event.
- The burden of proof for showing legal age is on the alcohol consumer. No alcohol will be served unless clear evidence of legal age is presented. It is the responsibility of those in charge of an event to ensure that no one who is under age is served or consumes any alcoholic beverages.
- Alcohol may not be consumed or carried in open containers in common areas or "public" areas of any building or grounds except as follows: for

group activities or events where a liquor license (if required) has been obtained and the scheduling officer has approved the event.

Illegal Drugs
The policy for Auraria and the institutions prohibit the sale, manufacture, distribution, use or possession of illegal drugs on the Auraria Campus. This policy applies equally to administrators, faculty, staff, and students.

NOTE: Although possession and use of marijuana consistent with the requirements of the Colorado Constitution is no longer a crime in the State of Colorado, the possession and use of marijuana remains illegal under federal law. Consistent with federal law, including the Controlled Substances Act and the Drug Free Schools and Communities Act, the use and/or possession of marijuana continues to be prohibited while a student is on college owned or college controlled property, and/or any function authorized or supervised by the college and/or in state owned or leased vehicles.

Violation of Drug Policy
Sale, distribution, or manufacturing of illegal drugs by a member of the Auraria Campus community will normally result in the administration taking action to curtail the activity. This policy applies within or upon the grounds, buildings, or any other facilities of the campus. Sanctions may be imposed upon individuals found in violation of these policies, as well as violation of laws controlling drugs and alcohol.

More specific and detailed information about Auraria and institutional policies addressing drugs and alcohol concerns can be found in operations manuals, student handbooks, personnel offices or administrative policy information. Faculty, staff and students are encouraged to obtain this information through the Student Life or administrative areas of Community College of Denver, Metropolitan State University of Denver, University of Colorado Denver or the Auraria Higher Education Center Administrative office.

Auraria Police Department
1201 5th Street, Suite 110
Denver, CO 80204
Police: (303) 556.5000
Fax: (303) 556.4731
E-Mail: dispatch@ahec.edu

Health Risks of Alcohol and Drug Use
Alcohol Affects the Body
Alcohol is a drug. It is important for students and staff to understand that alcohol abuse impairs judgment and the peripheral and central nervous system. Alcohol affects different people in different ways. Some of the characteristics that determine the way alcohol affects people include:

- Gender
- Mood
- Body Weight
- Type of Alcohol
- Full/Empty Stomach
- Speed of Consumption
- Use of Medication or Other Drugs

For most people, the effects of alcohol are determined by simple volume.

Alcohol Impairment
When a person drinks alcohol, it can enter the bloodstream as soon as they begin to drink. The molecular structure of alcohol (or ethanol) is small, so the alcohol can be absorbed or transferred into the blood through the mouth, the walls of the stomach, and the small intestine.

The stomach has a relatively slow absorption rate; it is the small intestine that absorbs most of the alcohol. It is important to keep the alcohol in the stomach as long as possible by eating food, which dilutes the alcohol and keeps it from entering the small intestine so quickly. Once alcohol gets into the bloodstream it moves through the body and comes into contact with virtually every organ. However, some of the highest concentrations, and the highest impact, are caused by the alcohol that reaches the brain.

The body is quite efficient when it comes to dealing with alcohol. The liver is designed to metabolize the alcohol as it is consumed. Enzymes break down the alcohol into harmless products and then it is excreted. However, the liver can only handle so much alcohol at a time. For a person of average weight

and body type, the liver and small intestine can handle alcohol at a rate of about one drink per hour.

If a person drinks at a faster rate than one drink per hour, the alcohol stays in the body, waiting to be metabolized. If there is more alcohol in the body than can be metabolized, the result is increasing levels of intoxication.

Information source: www.Bacchusnetwork.org

For information regarding the effects of illicit drugs on the body, we recommend: http://www.dea.gov/druginfo/factsheets.shtml

Potential Sanctions for Violations of the Alcohol and Drug Policy
At the Community College of Denver, any student who is found to be in violation of the alcohol and/or drug policy will be adjudicated under the Student Code of Conduct: CCD.edu/StudentCode. If found responsible for a violation, the student may face sanctions, which range from warning to expulsion.

Resources for Students and Employees
If a student or employee has questions about alcohol or drug use and is in need of counseling, treatment or rehabilitation programs, information is available through the Auraria Health Center at 303.556.2525.

Americans with Disabilities Act & CCD Compliance
The Americans with Disabilities Act, including The Amendments Act of 2008, prohibits discrimination based on disability in admission to, access to, and the operation of programs, services, or activities at CCD. The college is committed to providing an environment where all students have the opportunity to attain their educational goals. CCD provides both physical and programmatic access for all students. Reasonable accommodations will be made to ensure full educational opportunities for all students. Appropriate documentation of a student's disability is required. Visit the Accessibility Center (CCD.edu/Access) for additional information on accommodations.

CCD complies with and fully supports Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 (ADA), including changes made by the ADA Amendments Act of 2008, regarding nondiscrimination on the basis of disability (documentation required). Refer questions concerning these acts to:

Office for Civil Rights
U.S. Department of Education
1244 Speer Blvd., Suite. 300
Denver, CO 80204-3582

or

http://www2.ed.gov/about/offices/list/ocr/know.html

Electronic Communications Policy
CCD has adopted a policy to guide usage of all forms of electronic communication, including e-mail, Internet services, voice mail, audio and video conferencing, and fax messages that are sent or received by faculty, staff, students, and other authorized users of CCD resources.

In general, CCD provides various forms of electronic communication for teaching, learning and college operations. All records created through the electronic communication equipment CCD provides are the property of the college. People who are authorized to use e-mail and voice mail provided by CCD may make personal use of those media as long as there is no direct cost to the college.

All electronic communication at CCD must meet the standards of conduct, laws, and regulations published in such official CCD, state and federal documents as the CCD catalog, CCD Student Code of Conduct, any CCD faculty handbook and the Colorado State Employees Handbook.

CCD electronic communications may not be used for commercial purposes; to send copies of documents in violation of copyright laws; to transmit information that is restricted by laws or regulations; to intimidate, threaten, or harass other individuals, or to interfere with the ability of others to conduct CCD business; forge communication so it appears to be from someone else; to get unauthorized access to data, files or other communication; to breach

security measures to access electronically stored information in any way; sending chain letters or jokes of any nature.

For information about CCD student e-mail accounts please review the Student E-mail policy in the CCD Catalog. For more information or directions on how to activate your student e-mail visit CCD.edu/Quick-Guides. CCD requires that all students learn to use e-mail as it is the official means of communication between the college and students.

Family Education Rights & Privacy Act of 1974 (FERPA)

CCD Notification of Rights Under FERPA

The Family Educational Rights and Privacy Act of 1974 (FERPA) affords students certain rights with respect to their education records. FERPA rights are afforded to students at the time of admission. These rights include:

1. **The right to inspect and review the student's education records within 45 days of the day Community College of Denver receives a request for access.** A student should submit to the Admissions, Registration, and Records Office a written request that identifies the record(s) the student wishes to inspect. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Registrar, they shall advise the student of the correct official to whom the request should be addressed.

2. **The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights.** A student who wishes to ask Community College of Denver to amend a record should write the Registrar who will notify the college official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed. If the College decides not to amend the record as requested, the College will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment using the Student Grievance Procedure SP 4-31. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. **The right to provide written consent before Community College of Denver discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.** One exception which permits disclosure without consent is disclosure to college officials with legitimate educational interests. A college official is a person employed by the College in an administrative, supervisory, academic or research or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted as its agent to provide a service instead of using college employees or officials (such as an attorney, auditor, or collection agent); a person serving on the College Board; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. Community College of Denver has designated the National Student Clearinghouse, the Auraria Police Department, and the Health Center at Auraria as college officials. Community College of Denver has also designated Auraria Higher Education Center (AHEC), Metropolitan State University of Denver (MSU Denver), and University of Colorado Denver (CU Denver) as college officials for students taking developmental courses through these institutions, automatic admissions, inter-institutional registration, and physical education courses. A college official (including CCD advisors representing NSLS, PTK and other honorary or leadership programs) has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the College. Upon request, the College discloses education records, without a student's consent, to officials of another school, in which a student seeks or intends to enroll, or after enrollment.

The college may share education records with parents in the following circumstances: for a student who is dependent under I.R.S. tax code; a student under 21 years old who has violated a law or the school's rules or policies governing alcohol or substance abuse; and when the information is needed to protect the health or safety of the student or other individuals in an emergency.

FERPA Annual Notice to Reflect Possible Federal & State Data Collection and Use

As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records — including your Social Security Number, grades, or other private information — may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

The Colorado Community College System considers the following to be directory information and Community College of Denver staff may disclose this information, without prior consent, to anyone inquiring in person, by phone, or in writing: student name; major field of study; dates of student attendance; degrees/certificates and awards student has earned; most recent educational institution attended by the student; enrollment status (Full time, part time, etc.); participation in officially recognized activities and sports; and if participating in an officially recognized activity or sport, height, weight, and high school attended.

Addresses (including mail and e-mail) are considered PII and are not released as directory information except for the following:

- Graduation lists released to news media, which may include the student's city of residence
- Other listings to the news media and college personnel for special awards, honors, and events

Additionally, name, address, phone number, date and place of birth, level of education, most recently attended college, field of study, and degree(s) received of students may be released to military recruiters upon request in accordance with the Solomon Amendment. All other information contained in student records is considered private and not open to the public without the student's written consent. Students who do not want their directory/public information released to third parties or students who do not want to be listed in the college online e-directory should complete a form to suppress directory information available online or at the Office of Admissions, Records and Registration by the first day of the semester.

Upon request, the college discloses education records, without a student's consent, to officials of another school in which a student seeks or intends to enroll.

Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by CCD to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Fair & Accurate Credit Transactions Act (FACTA)

FACTA Notification to Students

In accordance with the Fair and Accurate Credit Transactions Act (FACTA) of 2003, CCD adheres to the Federal Trade Commission's (FTC) Red Flag Rule (A Red Flag is any pattern, practice, or specific activity that indicates the possible existence of identity theft.), which implements Section 114 of the FACTA and to the Colorado Community College System's Identity Theft Prevention and Detection Program, which is intended to prevent, detect and mitigate identity theft in connection with establishing new covered accounts or an existing covered account held by the Colorado Community College System (System or CCCS) or one of its thirteen (13) community colleges, and to provide for continued administration of the Program. If a transaction is deemed fraudulent, appropriate action will occur. Action may include, but is not limited to, canceling of the transaction, notifying and cooperating with law enforcement, reporting to the Student Code of Conduct Office, and notifying the affected parties. For more information on FACTA, Red Flag Rules, and Identity Theft Consumer Information, please see the links provided below.

Federal Trade Commission Statute | www.FTC.gov/os/statutes/fcradoc.pdf

Red Flag Rules | www.FTC.gov/bcp/edu/microsites/redflagsrule/index.shtml

Consumer: FTC - Identity Theft Information | www.Consumer.FTC.gov/features/feature-0014-identity-theft

Law Enforcement at CCD

Auraria Campus

To report a crime on campus, use one of the emergency telephones located in every classroom building for immediate, direct access. Blue Light emergency telephones located in most parking lots on campus also provide immediate, direct access. Call 911 from any campus phone for emergencies or dial 6.5000 for other police assistance. From off-campus telephones, payphones, or cell phones call 303.556.5000.

The Auraria Police Department employs certified police officers who receive their police authority via the provisions of the Colorado Revised Statutes, Title 24, Article 7, Part 1. The Auraria Police Department is authorized to enforce campus rules and regulations as well as Municipal Codes, State Laws and Federal Statutes.

Crimes should be reported to the Auraria Police Department immediately. The department's services are available 24 hours a day, seven days a week. Priority is given to reports of incidents that threaten the life or safety of people, the security of property, and the peace of the community. Colorado Revised Statutes, 18-8-115, "Duty to Report a Crime," require all persons who believe a crime has been committed to report the suspected crime promptly to law enforcement authorities.

Victims of stalkers or persons with restraining orders against another party are strongly encouraged to notify the Auraria Police Department of the threat and to provide the Auraria Police Department with a copy of the restraining order so that police officers have the information on hand.

The Auraria Police Department has the primary responsibility to coordinate locking and unlocking of most campus buildings. Campus Police work closely with Facilities Management to maintain building security and key control. Access to facilities after normal building hours is limited and coordinated with Campus Police. The Auraria Police Department, located in the Administration Building, patrols the Auraria Higher Education Center 24 hours a day. A satellite Auraria Police Department office is located in the Tivoli Student Union.

Center for Health Sciences at Lowry

The Center for Health Sciences at Lowry is monitored by Lowry Campus Security 24 hours a day, seven days a week. Lowry Campus Security personnel are not certified police officers but can make arrests. The Denver Police and Aurora Police departments are the official law enforcement agencies for the Lowry Campus. Both patrol the Lowry Campus frequently. The Center for Health Sciences at Lowry is divided between the City of Denver and the City of Aurora. Different cities have jurisdiction depending on the building where an incident occurs.

Anyone who is a victim of a crime, witnesses a crime, or needs the fire department, law enforcement, or an ambulance while at the Lowry Campus, should contact the Denver metro-area emergency response system by dialing 911 or 303.892.9111 from any telephone, including pay phones. Blue

Light emergency telephones are also available in most parking lots on the Lowry Campus.

For non-emergency crimes, contact Aurora Police at 303.627.3100 or Denver Police at 303.913.2000.

In addition, report all crimes and other emergencies to Lowry Campus Security at 303.419.5557 after calling 911. The Director of Lowry Security can be reached at 720.858.2733.

The buildings for the Center for Health Sciences at Lowry are open during normal business hours, Monday through Friday, 8 a.m. until 5 p.m. Classroom buildings are open at 7 a.m. and locked as scheduled activities end, which may be as late as 11 p.m. Contact Lowry Campus Security at 303.419.5557 with questions on building access and after hours maintenance.

Advanced Manufacturing Center

The property is monitored during regular business hours by Advanced Manufacturing Center maintenance staff. College personnel are not certified police officers and cannot make arrests or other legal decisions. The Denver Police Department is the official law enforcement agency for the Advanced Manufacturing Center location.

Anyone who is a victim of a crime, a witness to a crime, or needs the fire department, law enforcement, or an ambulance while at the Advanced Manufacturing Center, should contact the Denver Police Department by calling 911 from any telephone, including pay phones. Report crimes and other emergencies immediately to the nearest Advanced Manufacturing Center faculty, staff, or administrator.

For non-emergency crimes, contact the Adams County Sheriff's Department at 720.913.2000.

The Advanced Manufacturing Center's maintenance staff has the primary responsibility for opening and closing the location. Buildings are generally open Monday through Thursday from 7:30 a.m. to 9 p.m. and on Fridays from 7:30 a.m. to 5 p.m. Access to the Advanced Manufacturing Center after regular business hours is limited and coordinated with the location director and the maintenance department or as arranged by individual instructors.

Notice of Non-Discrimination

The College does not discriminate on the basis of sex / gender, race, color, age, creed, national or ethnic origin, physical or mental disability, veteran status, pregnancy status, religion, or sexual orientation in its employment practices and educational programs and activities. Individuals with limited English proficiency interested in career and technical education programs will be assessed and offered options to support their participation in CCD programs. The following person has been designated to handle inquiries regarding the non-discrimination policies or discrimination complaints:

Patty Davies, Executive Director of Human Resources, Title IX Coordinator, Title VII/Equal Opportunity Coordinator, ADA/Sec 504 Coordinator
Administration Building, Room 310
Campus Box 240 | P.O. Box 173363
Denver, CO 80217-3363,
Telephone: 303.352.3310
Online Complaint Form: CCD.edu/Report-Discrimination

Notificación de Non Discriminación

El Community College of Denver (CCD por sus siglas en ingles), no discrimina por motivos sexo/género, de raza, color, credo, edad, origen nacional o étnico, religión, militar en servicio activo y/o pasivo, embarazo, o personas con discapacidad física o mental, o orientación sexual, especificada en su política de empleo, o en su programa de educación, y/o en otras actividades. Personas con conocimientos limitados de inglés interesadas en programas de educación profesional y/o técnicas, serán evaluadas y se les ofrecerá opciones para apoyar su participación en los programas educativos de CCD. La siguiente persona ha sido designada para manejar las preguntas con respecto a las políticas de no discriminación o denuncias de discriminación:

Directora de Recursos Humanos, Coordinadora del Título IX, Título VII/Oportunidad de Igualdad (EO por sus siglas en ingles), y ADA/Sec 504
Administration Building, Oficina 310
Campus Box 240 | P.O. Box 173363

Denver, CO 80217-3363
Teléfono: 303.352.3310
Formulario en línea de quejas: CCD.edu/Report-Discrimination

Status of Campus Safety

Timely notifications are made to the campus community on crimes that are reported to Auraria Campus Police or local police and may be considered a threat to other students or employees. These notifications are made using one or a combination of the following methods:

- news releases;
- crime advisories;
- making reports available to the media through campus newspaper, radio, and television;
- advertising in campus publications; and
- distributing the above information to campus employees.

The Clery Act requires higher education institutions to give timely warnings of crimes that represent a threat to the safety of students or employees, and to make public their campus security policies. It also requires that crime data is collected, reported, and disseminated to the campus community and also submitted to the Department of Education. The act is intended to provide students and their families with accurate, complete, and timely information about safety on campus so they can make informed decisions.

CCD Campus Security and Safety Report | www.AHEC.edu/for-campus-faculty-staff/auraria-campus-police-department

Student Email

CCD provides free student email accounts. CCD email accounts are the only official means of communication between students and the college. CCD expects that students sign in and check their college-issued email account on a frequent and consistent basis as students are responsible for all information sent to them via their system-assigned email account. Student email accounts will remain active throughout students' college experience at any CCCS institution.

The use of student email is a privilege, not a right; and the System maintains the right to limit access. Email is subject to disclosure to third parties through subpoena or other processes. Refer to the Electronic Communications Policy for more information.

Student Complaint Process (CCD.edu/complaints)

This Student Complaint Process is intended to give students an opportunity to present an issue that they feel warrants action, including the right to secure educational benefits and services without regard to sex, race, national origin or ancestry, creed, color, sexual orientation, disability, or age and have the issue considered in a prompt and equitable fashion.

Definitions
Senior Student Services Officer (SSSO): The college employee designated by the college president to administer student grievances. Grievances alleging discrimination may be referred to:

Executive Director of Human Resources
Campus Box 240
P.O. Box 173363
Denver, CO, 80217
Administration Building, Room 310
303-352-3310

Grievance: A grievable offense is any alleged action that violates or inequitably applies written college policies or procedures. The Grievant must be personally affected by such violation or inequitable action. A grievance must be brought to the formal stage within 20 calendar days of the date the student knew or reasonably should have known about the action.

Grievant: Enrolled student, client or volunteer who is providing a service to benefit the college under the supervision and control of a college employee. A client or volunteer may only grieve a decision that bans him or her from the campus.

Non-grievable matters: The following matters are not grievable under this procedure except as noted: matters over which the college is without authority to act; grades and other academic decisions unless there is an

allegation that the decision was motivated by illegal discrimination; and disciplinary actions taken pursuant to State Board for Community Colleges and Occupational Education (SBCCOE) policy.

Remedy: The relief that the Grievant is requesting.

Respondent(s): Another student, volunteer, client, faculty member and/or administrator identified by the Grievant as causing or contributing to the grievance.

Procedures
1. **Informal.** Grievant is encouraged to resolve the issue with the Respondent or his/her supervisor. In case of grievances based upon one's race, color, creed, national origin or ancestry, disability, age or gender, the Grievant may first contact the college employee responsible for affirmative action to seek informal resolution of the issues. If the complaint alleges facts that might constitute a violation of the Colorado Community College System President's Procedures concerning sexual harassment, the administrator shall investigate and process the complaint under the procedure. While the Grievant is encouraged to use the informal process, he/she may at any time elect to go to the formal stage by following the process outlined below.

2. **Formal.**
   a. Grievant, in a timely manner, files a written statement of the actions complained of and describes the remedy he/she is seeking with the Senior Student Services Officer (SSSO). A matter also could be referred to the process by the College president or his/her designee. Once a written grievance is filed or referred, the SSSO or designee will determine whether or not the situation states a grievable offense. The matter will be closed if the situation is determined not grievable and the Grievant will be notified of the reasons.
   b. If the matter is determined to be grievable, the SSSO or designee (which may be an individual or a committee) shall hear the Grievance. A hearing will be held to give the Grievant, Respondent, and other interested parties invited to appear, the opportunity to explain what they know about the issues surrounding the grievance. Considering the oral and written statements and documents, the SSSO or designee shall issue a decision within 10 calendar days of close of the hearing. The decision shall be served upon the Grievant and the Respondent personally or by certified mail to the addresses on file in the Admissions, Registration and Records office. The decisions shall reject the grievance or grant the grievance and make recommendation(s) to resolve the issue(s). The SSSO or designee's decision is final unless either party files a Petition for Review with the college president within five (5) calendar days of service of the decision.
   c. Upon receipt of a Petition for Review, the college president will review the record and issue a written decision within 10 calendar days of receipt of the Petition for Review. The president's decision is final.
   d. The SSSO or designee may extend the scheduling timelines described above for good cause.
   e. If the grievance is against the SSSO, the Chief Academic Officer/Provost or other person designated by the president shall perform the duties of the SSSO.

Informal Grievance Procedure
This informal grievance procedure must be initiated as soon as possible after the Grievant knows of the matter that gives rise to the grievance.

1. The Grievant shall discuss and attempt to resolve the problem with the Respondent(s). The Grievant shall keep all records relevant to the alleged grievance.
2. If the problem is not mutually resolved at this time, the Grievant shall confer and attempt to resolve the problem with the immediate supervisor(s) and/or the administrator of the respondent(s).
3. If satisfactory resolution is still not achieved, the Grievant must confer and attempt to resolve the problem with the SSSO or designee. Matters involving grade changes or academic appeals should follow the grade appeal process.

Formal Grievance Procedure
1. If the grievance is not resolved by the Informal Grievance Procedure or if the student wishes to bypass that course of action and is not limited to

a change of grade, the student has the right to file a written grievance with the SSSO. The filing must occur within 20 calendar days of the date the student knew or reasonably should have known about the action. This written allegation should document all steps taken to resolve the complaint. If the SSSO determines that the allegation is grievable, a copy of the written grievance must be mailed or hand-delivered to the Respondent(s) by the SSSO within five (5) working days of the filing of the formal grievance.

2. Upon receipt of the notice of a grievable offense, the SSSO will establish a Grievance Committee within 10 working days. The time may be increased if the notice is given during a school break or during a semester change. The SSSO is responsible for keeping all records pertaining to grievances. If the grievance is against the SSSO, the Chief Academic Officer or other person designated by the president shall perform the duties of the SSSO.

3. If the matter is determined to be grievable, the SSSO or designee shall hear the Grievance.

4. The SSSO or designee (which may be an individual or committee) will convene the hearing, set the date of the meeting and notify all involved persons. If a committee is convened, the SSSO will be responsible for informing the Grievance Committee of its role and responsibilities. A record of the proceedings and recommendations will be made and retained by the SSSO.

5. All hearings will be closed unless both the grievant and respondent agree in writing to an open hearing. At the request of the Grievant or respondent, interested parties may be included subject to the approval of the SSSO. In the case of sexual harassment grievances, the procedure will assure confidentiality to the extent possible for Grievant and witnesses.

6. If either the Grievant or Respondent fails to appear at the hearing, the committee may proceed and determine its resolution of the problem in the person's absence.

7. The Grievance Committee's decision will be based on the greater relevant evidence.

8. The Committee will deliver a copy of its recommendation to the SSSO within three (3) working days following the conclusion of the hearing.

9. The SSSO will render a decision regarding the recommendation within 10 working days, and both parties must be notified in writing of the decision.

10. The Grievant may withdraw the grievance in writing at any point in the proceedings.

11. The SSSO may grant an extension of the time limits for reasonable cause. This extension must be documented and is not automatic. The decision to grant an extension must be written and communicated to all concerned parties.

12. Within five (5) working days of the committee's decision, either party may file a petition for review with the college president. The president's decision is final.

13. This policy is being implemented in accordance with the SBCCOE policy and the due process.

In the event that two individuals or groups of individuals from different Auraria Campus institutions are involved in a grievance, the procedures normally followed by the institution whose constituent is being charged with the grievance would apply. The SSSO from the other institution involved will be informed of the filing of the grievance and the outcome of the grievance procedure.

Voter Registration Information

Community College of Denver supports the National Voter Registration Act by providing students access to voter registration information. The State of Colorado - Voter Registration Application Form is available at www.Elections.Colorado.gov or at the local County Clerk and Recorder's office. Students with disabilities can access the Voter Registration Application in the Accessibility Center.

ARCHIVED CATALOGS

CCD catalog archives can be found here: https://www.ccd.edu/docs/course-catalogs-schedule-courses

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