2019/2020 CATALOG

COMMUNITY COLLEGE OF DENVER

Start Here.
Go Anywhere!
CCD.edu

TABLE OF CONTENTS

Home ... 3
Welcome to CCD ... 4
How This Catalog Can Help You Succeed ... 4
Academic Calendar ... 5
President's Message ... 6
About CCD ... 7
- Institutional Outcomes ... 7
- Diversity at CCD ... 7
- Transfer Guarantees ... 8
- Campus Information ... 8

Getting Started ... 10
- Admission Guidelines ... 10
- Steps to Successful Enrollment ... 11
- International Student Enrollment ... 12
- Academic Advising ... 12
- CCDConnect ... 12
- Registering for Classes ... 12
- Transferring Credit to CCD ... 15
- Tuition Classification (Residency) ... 16

Financial Information ... 18
- Tuition & Fees ... 18
  - College Opportunity Fund ... 19
  - Tuition Refunds ... 19
- Financial Aid ... 20
  - Types of Aid ... 21

Academic Information ... 22
- Academic Integrity Policy ... 24
- Academic Progress Guidelines ... 25
- Academic Renewal Policy ... 26
- Academic Standards ... 26
- CCD Celebrates Student Success ... 27
- Credit Completion Progress ... 28
- Graduation Requirements ... 29
- Special Academic Programs ... 30
- Transfer Options ... 31

Student Support Services ... 31
Helpful Contact Information ... 36
Programs & Courses ... 37
A-Z List of Academic Programs ... 37
Academic Pathways ... 39
Arts, Humanities & Design ... 40
- Art ... 40
- Communication ... 42
- English-Literature ... 43
- French ... 44
- Geography ... 45
- Graphic Design ... 47
- History ... 48
- Journalism ... 49
- Music ... 50
- Philosophy ... 50
- Spanish ... 52
- Theatre ... 53

Business & Public Administration ... 56
- Accounting ... 56
- Business Administration ... 57
- Economics ... 60

Education & Teaching ... 61
- Early Childhood Education ... 61
- Elementary Education ... 63

Health Sciences ... 65
- Dental Hygiene ... 65
- Nutrition ... 66
- Integrated Nursing Pathway ... 68
- Medical Assisting ... 68
- Nurse Aide ... 69
- Phlebotomy ... 70
- Radiologic Technology ... 70
- Surgical Technology ... 72
- Veterinary Technology ... 72

Industry, Manufacturing & Construction ... 75
- Applied Technology ... 75
- Architectural Technologies ... 76
- Engineering Graphics & Mechanical Design ... 78
- Fabrication Welding ... 80
- Machine Technologies ... 82

Science, Technology, Engineering & Mathematics ... 84
- Biology ... 84
- Chemistry ... 85
- Computer Information Systems ... 85
- Enviornmental Science ... 87
- Geology ... 88
- Information Technology ... 88
- Mathematics ... 89
- Physics ... 90

Social & Behavioral Sciences ... 92
- Anthropology ... 92
- Criminal Justice ... 93
- Human Services ... 95
- Paralegal ... 97
- Political Science ... 99

Psychology 100
Sociology 102
Academic Terms 104
Certificates & Degrees 105
Degrees with Designation/Statewide Transfer 105
Associate of Arts 105
Associate of Science 107
Associate of General Studies 108
Bachelor & Associate of Applied Science Degrees & Certificates 108
Courses 110
Accounting (ACC) 110
Advanced Academic Achievement (AAA) 110
American Sign Language (ASL) 111
Anthropology (ANT) 111
Architecture/Engineering/ (AEC) 112
Arts (Visual) (ART) 113
Astronomy (AST) 115
Biology (BIO) 115
Business Administration (BUS) 117
Business Technology (BTE) 117
Chemistry (CHE) 118
Chinese (CHI) 119
College Composition & Reading (CCR) 119
Communication (COM) 119
Computer Assisted Design (CAD) 120
Computer Information Systems (CIS) 122
Computer Network Technologies (CNG) 123
Computer Science (CSC) 124
Computer Web Base (CWB) 125
Criminal Justice (CRJ) 125
Dental Hygiene (DEH) 126
Dietetic Technology (DIT) 129
Early Childhood Education (ECE) 130
Economics (ECO) 131
Education (EDU) 131
Engineering (EGG) 132
Engineering Graphics Technology (EGT) 132
Engineering Technology (ENT) 133
English (ENG) 133
English as a Second Language (ESL) 134
Environmental Science (ENV) 135
Ethnic Studies (ETH) 135
Fermentation Science (FER) 135
French (FRE) 135
Geographic Information Systems (GIS) 136
Geography (GEO) 136
Geology (GEY) 137
Health & Wellness (HWE) 137
Health Professions (HPR) 137
History (HIS) 138
Human Services (HSE) 140
Humanities (HUM) 140
Journalism (JOU) 141
Literature (LIT) 142
Machine Technologies (MAC) 143
Management (MAN) 145
Manufacturing Technology (MTE) 145
Marketing (MAR) 146
Mathematics (MAT) 146
Medical Assistant Professional (MAP) 148
Medical Office Technology (MOT) 149
Multimedia Graphic Design (MGD) 149
Music (MUS) 150
Nurse Aide (NUA) 152
Nursing (NUR) 152
Occupational Safety Technician (OSH) 154
Paralegal (PAR) 154
Philosophy (PHI) 155
Physical Education (PED) 156
Physics (PHY) 156
Political Science (POS) 157
Psychology (PSY) 157
Public Security Management (PSM) 158
Radiologic Technology, Computed Tomography & Mammography (RTE) 159
Science (SCI) 161
Sociology (SOC) 161
Spanish (SPA) 162
Surgical Technology (STE) 163
Theater (THE) 164
Veterinary Technology (VET) 166
Welding, Fabrication (WEL) 168
Women's Studies (WST) 170
Rights & Legal Notices 171
Index 183

COMMUNITY COLLEGE OF DENVER

Start Here. *Go Anywhere!*

Community College of Denver (CCD) 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**
- **Academic Information**
- **Programs & Courses**
- **Rights & Legal Notices**

Publishing Information
Published by Community College of Denver, 2019-2020
CCD.edu

This catalog is effective summer semester 2019 through spring semester 2020. 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.

Information on occupations, rates for completion and placement, program costs, and median loan debt may be found at CCD.edu/GainfulEmployment.

Students may be contacted by automated dialing/texting.

Visit CCD.edu for updated information.
This publication is available in alternative formats.
Call 303.556.3300.

WELCOME TO CCD

About This Section

The information in this section will provide you with basic information about CCD, including a message from CCD President Dr. Everette Freeman, the academic calendar and other helpful information about the College.

START HERE

- **How This Catalog Can Help You Succeed**
- **Academic Calendar**
- **President's Message**
- **About CCD**

HOW THIS CATALOG CAN HELP YOU SUCCEED

A Valuable Tool

This catalog is a valuable tool for guiding you through enrollment and registering for classes, including:

- **Admission and Registration**
- **Tuition and Fees**
- **Financial Aid**
- **Campus Services**
- **Selected Policies**
- **Degree and Certificate Requirements**
- **Course Descriptions**

Please see your academic advisor to answer any questions about the material in this catalog or for help in planning educational goals.

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.

Where to Find Catalog Updates

This catalog is true and accurate at the time of publication. Additionsand 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.

Additional Publications

This catalog is one of three publications that are essential to your success at Community College of Denver (CCD).

- Admissions and registration guide is a publication of classes offered. The specific courses offered at CCD are available here online.
- The student handbook is an annual publication of regulations and resources at CCD as well as a calendar for the academic year. The handbook is distributed to you during orientation and is available for pick-up at the Welcome Center.

Nothing in the catalog, admissions and registration guide, 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

Summer Semester 2019

March 18	Registration for Summer 2019 Opens
May 20	Tuition Payment Deadline
May 28	Summer Semester Begins
May 31	Last day to register for 10-week courses. Only accelerated, late-start classes available for registration after this date.
June 7	Last day to drop a class & receive a refund for 10-week courses.
June 7	Last day to submit Correction for Initial Tuition Classification (new students enrolled in 10-week courses).
June 10	Summer Graduation Application deadline
June 14	Refund available on BankMobile
June 26	Last day to Petition for In-State Tuition for summer 10-week classes.
July 4	Independence Day Campus Closed
July 23	Last day to withdraw from a 10-week course and receive a "W" (no refund)
August 6	Last Day of Summer Semester
August 10	Summer 2019 grades available on CCDConnect

Fall Semester 2019

March 18	Registration for fall semester 2019 opens
August 12	Tuition payment deadline. Make official payment arrangements for fall classes by this date. If you register for classes after the deadline, make official payment arrangements before the following Monday.
August 19	Fall semester begins
August 23	Last day to register for 15-week courses. Only accelerated, late start classes available for registration after this date.
September 5	Last day to drop a class & receive a refund for 15-week courses. Last day to submit Correction for Initial Tuition Classification (new students enrolled in 15-week courses).
September 10	Fall graduation application deadline
September 14	Refund available on BankMobile
September 17	Last day to Petition for In-State Tuition for fall 15-week classes.
November 18	Last Day to withdraw from a 15-week course and receive a "W" (no refund)
November 25-29	Fall break (no classes, offices open)
December 9	Last day of fall semester
December 14	Fall 2019 grades available on CCDConnect

Spring Semester 2020

October 21	Registration for spring semester 2020 opens to continuing students
November 11	Registration for spring semester 2020 opens for new students
January 13	Tuition Payment Deadline
January 21	Spring semester begins
January 24	Last day to register for 15-week courses. Only accelerated, late start classes available for registration after this date.
February 7	Last day to drop a class & receive a refund for 15-week courses. Last day to submit Correction for Initial Tuition Classification Form (new students enrolled in 15-week courses).
February 10	Spring graduation application deadline
February 13	Last day to Petition for In-State Tuition for spring 15-week classes.
February 14	Refund available on BankMobile
February 19	Last day to Petition for In-State Tuition for spring 15-week classes.
March 22 28	Spring Break (no classes, offices open)
April 20	Last Day to withdraw from a 15-week course and receive a "W" (no refund)
May 11	Last day of spring semester
May 14	Commencement Ceremony
May 16	Spring 2020 grades available on CCDConnect

Additional Dates

March 16, 2020	Registration for Summer 2020 opens to all students Registration for Fall 2020 opens for continuing students
April 6, 2020	Registration for Fall 2020 opens for all students

THIS CATALOG PROVIDES A WEALTH OF INFORMATION ABOUT COMPLETING YOUR COLLEGE GOALS.

PRESIDENT'S MESSAGE

MESSAGE FROM EVERETTE J. FREEMAN

Welcome to Community College of Denver (CCD)!

During your academic journey at CCD, you will study conceptual and practical matters that will prepare you not just for academic success, but also for success in the work world.

Whether your goal is to transfer to a four-year institution, complete a certificate program or start work in your chosen career right away, our priority is to support you as you navigate the complexities of the college experience.

All of CCD's academic programs and majors are organized into guided pathways, each with their own advising specialist: Arts, Humanities & Design, Business & Public Administration, Education & Teaching, Health Sciences, Industry, Manufacturing & Construction, Science, Technology, Engineering & Math (STEM), and Social & Behavioral Sciences. Work with your CCD personal advisor each semester to chart your path.

This catalog provides a wealth of information about completing your college goals. Start here, map out your plan for the future, and go on to complete your educational and career goals.

Attending college requires a lot of hard work, grit and determination. You possess these attributes. You have every promise of success in achieving your dreams. CCD is committed to providing you with an excellent learning environment and we are here to support you every step of the way.

Thank you for letting us be part of your educational journey!

Dr. Everette J. Freeman | CCD President

ABOUT CCD

Start Here. ***Go Anywhere!***

Community College of Denver's (CCD) educational programs are designed to enrich the social, civic and economic fabric of our community, nation and world. Through innovation, open exploration of ideas and preparation of a well-trained workforce, CCD enriches our democracy and supports a vibrant local economy. Programs and strategies that promote access—as well as academic and personal success for under-served students—are the foundation of CCD operations.

CCD is dedicated to expanding access, particularly for under-served, first-generation and minority students. Nearly 60 percent of your classmates are the first in their family to attend college and more than 68 percent qualify for financial aid. At CCD, you have the opportunity to become the person you aspire to be—to reach and strive to improve your lives and make your dreams a reality.

CCD Creates

- Access and opportunities for non-traditional students.
- Workforce development and training resources for economic growth.
- Strategic partnerships with the community, K-12, and higher education to ensure high school graduation and college success.

Special Features

- Open admissions
- Academic and student support services to ensure success
- Military Friendly School
- Member of the American Association of Community Colleges and the Hispanic Association of Colleges and Universities
- 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 more about CCD's rich history at CCD.edu/CCDHistory, as well as our mission and principles at CCD.edu/Mission.

Institutional Outcomes

- A CCD graduate is a Complex Thinker. Students will explore and evaluate multiple sources of information, which they will synthesizeto solve problems; they will extract meaning from texts, instruction, experience, and other relevant sources to construct new problem-solving approaches based on their insights. Students will make relevant connections between classroom and out-of-classroom learning.
- A CCD graduate is an Effective and Ethical User of Technology. Students will exhibit technological literacy and the skills to effectively use it; they will demonstrate the responsible application of intellectual property and privacy; students will use technology ethically and effectively to communicate, solve problems, and complete tasks; students will remain current with technological innovations.
- A CCD graduate is an Effective Communicator. Students will convey meaning by writing and speaking coherently and effectively in a way that others understand; students will write and speak after reflection; students will influence others through writing, speaking, or artistic expression that is appropriate for the context and audience; students will use appropriate syntax and grammar; students will listen attentively to others and respond appropriately. Students will understand and apply conventions of effective writing and oral communication in academic, public, and professional discourse.
- A CCD graduate is Globally Aware. Students will consider the interconnectedness of our community and world; they will understand how cultural differences (such as beliefs, traditions, religion, ethnicity, sexuality, and gender) impact personal and community participation; they are aware of the social, environmental, and economic impacts of their actions; they evaluate how technology links individuals and communities and are aware of the social, environmental, technological, and economic impacts of their actions.
- A CCD graduate is Personally Responsible. Students will incorporate ethical reasoning into action; they will explore and articulate the values of professionalism in personal decision-making. They exemplify dependability, honesty, and trustworthiness and accept personal accountability for their choices and actions. Students will exhibit self-reliant behaviors, including: managing time effectively, accepting supervision and direction as needed, perseverance, valuing contributions of others, and holding themselves accountable for obligations.
- A CCD graduate is a Numeric Thinker. Students will select relevant data and use several methods such as algebraic, geometric, and statistical reasoning to solve problems; they will interpret and draw inferences from data and mathematical models; they are able to represent mathematical information symbolically, graphically, numerically, and verbally.

Diversity at CCD

A College of Diversity

CCD provides an educational environment that fosters cultural diversity, international understanding and global awareness. CCD is dedicated to expanding access, particularly for under-resourced, first-generation, and minoritized students. CCD's commitment to diversity is reflected by the student population:

- Our average student age is 24.
- International students represent 43 different countries.
- Socio-economic disparity.
- 59 percent are female.
- Students who self-identify as students of color make up 50 percent of the student body.
- CCD is designated as a Hispanic-Serving Institution (HSI) which means that Latinx students make up 34 percent of our student population.
- More than 66 percent receive financial aid awards.

Notice of Non-Discrimination

CCD.edu/Notice-Non-Discrimination

CCD is an equal opportunity educational institution and does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender expression, age, veteran status, or disability. It also does not tolerate acts of ethnic intimidation, which are unlawful acts against persons or groups because of race, color, ancestry, religion, or national origin for the purpose of inciting and provoking bodily injury or damage to property.

The following office has been designated to handle inquiries regarding non-discrimination policies:

Patty Davies HR Director, Title IX/EO Coordinator
303.352.3310
Administration Building, Room 310
Campus Box 240
P.O. Box 173363
Denver, CO 80217-3363

Transfer Guarantees

We Guarantee Your Transfer

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 manyarticulation 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: Broncos Field at Mile High, home of the Denver Broncos, Coors Field’s Colorado Rockies, the Downtown Aquarium, and Pepsi Center, 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

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 thehigh school can earn dual high school and college credit for CCD classes they take through concurrent enrollment. Nearly 70 concurrent enrollment students completed a certificate or degree in 2018.

Campus Locations

Auraria Main Campus

303.556.2600
1111 W. Colfax Avenue, P.O. Box 173363, Denver, CO 80217-3363

RTD Light Rail Stations on Auraria Campus

- Colfax at Auraria Station: West Colfax Avenue, between Lipan and Mariposa Streets
- Auraria West Campus Station: Adjacent to the Aspen Parking Lot, between Fourth and Fifth Streets

RTD Bus Routes to the Auraria Campus

Via Auraria Parkway: #1, #15L, #20
Via Colfax Avenue: #16, #16L, #30L, #33, #36L
Via Eleventh Street: #6

With a valid campus ID and on-campus class schedule, CCD students can pick up an RTD CollegePass in the Tivoli Student Union, which includes unlimited rides on local, express, and regional services on bus and light rail.

Advanced Manufacturing Center

303.352.3060 | 2570 31st Street, Denver, CO 80216

RTD Bus Routes: #8, #38

Center for Health Sciences at Lowry

303.365.8300 | 1070 Alton Way, Denver, CO 80230

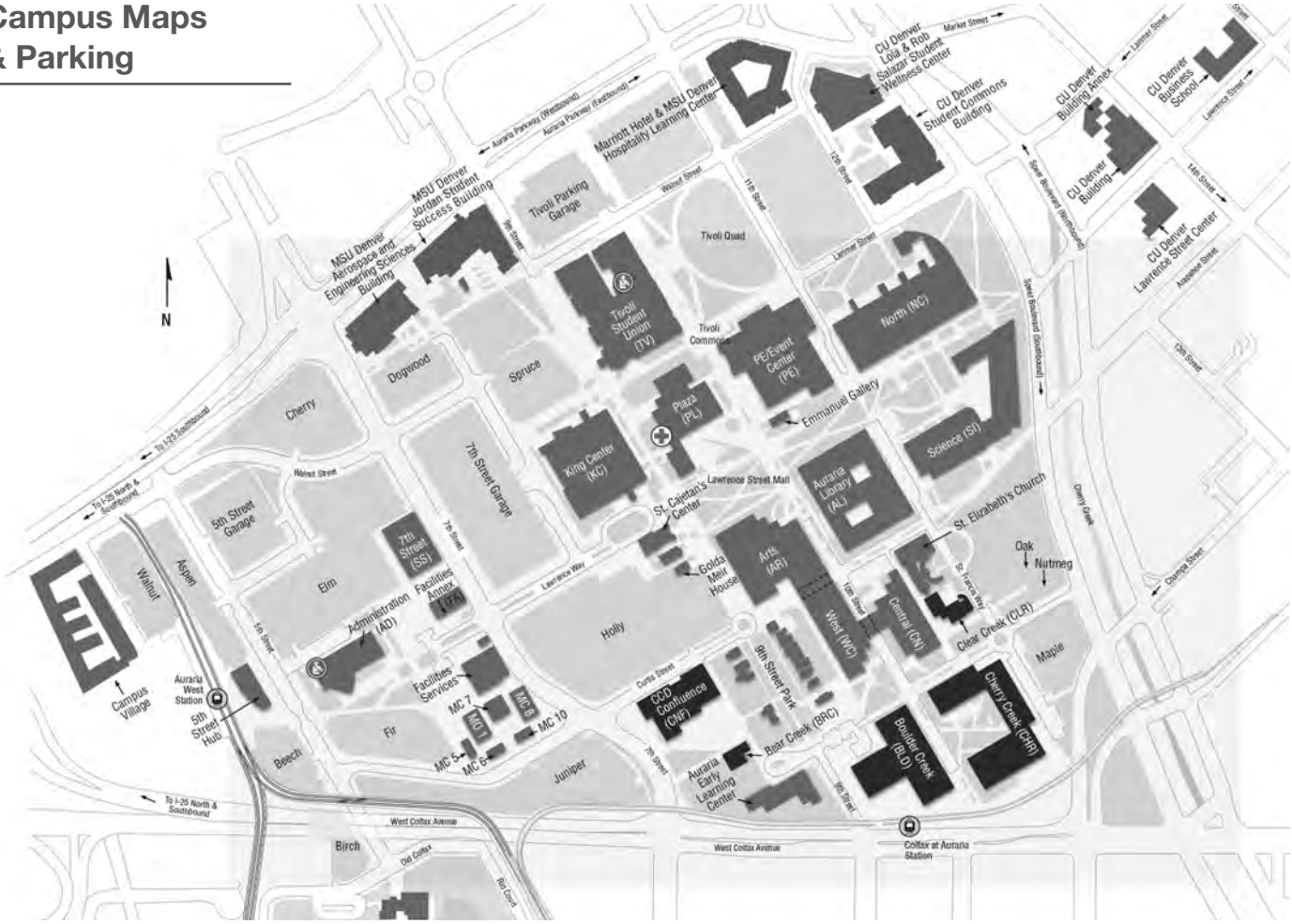
RTD Bus Routes: #6, #10, #105, #15, #15L, #73

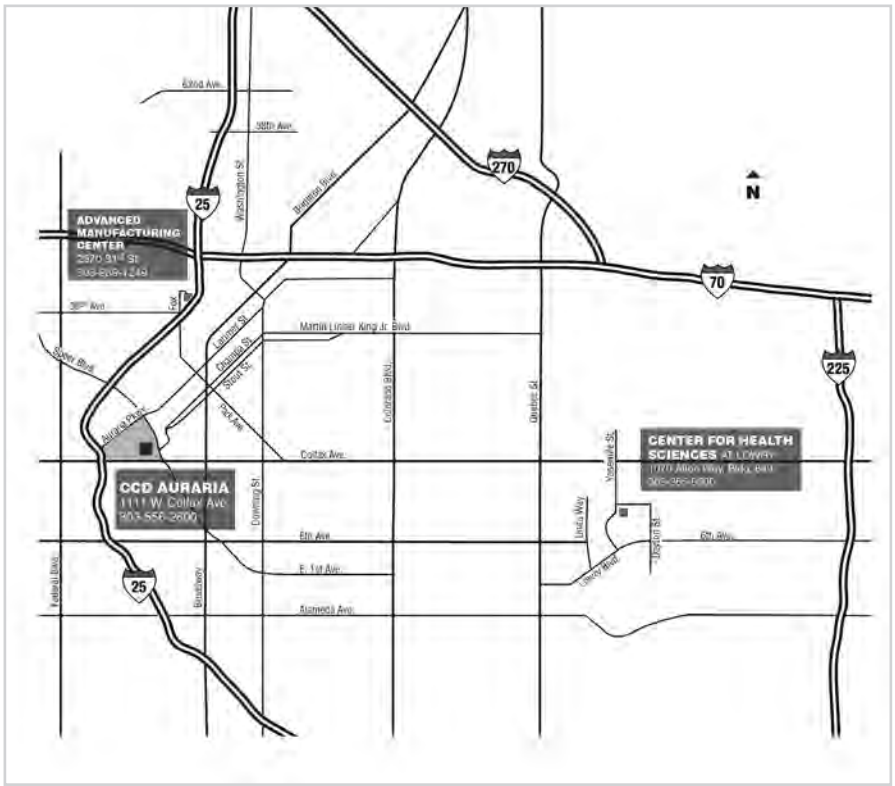
Dental Hygiene Clinic

303.365.8338 | 1062 Akron Way, Denver, CO 80230

RTD Bus Routes: #10, #73, #6, #3, #3L, #105, #65, #65A, #11, #15, #15L

Campus Maps & Parking





USE THIS SECTION AS A GUIDE DURING THE ENROLLMENT PROCESS

GETTING STARTED

Use this section as a guide during the enrollment process, including applying to college and the guidelines included in that process, meeting with your academic advisor, registering for classes and much more.

Questions? The Welcome Center on the first floor of the Confluence Building is designed specifically for you. Get help with any of these areas by stopping by the Welcome Center.

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 Guidelines

Admission Policy

CCD has an open-door 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.

Application for Admission

CCD.edu/Apply

Prior to enrolling at the College, you must complete an application for admission online. Acceptance letters are sent by email or by regular U.S. mail.

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.

Special 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 special 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 must demonstrate readiness for college-level work.
- If you are not in the College Pathways concurrent enrollment program, you must meet with the Academic Advising and Student Success Center to determine the appropriate class(es) and get the underage waiver request form.
- You and a parent must meet with the Director of the Academic Advising and Student Success Center to determine eligibility for admission and appropriateness of course selection, to review college expectations, and to complete the acknowledgment 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 Director 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 303.556.2525.

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 15. 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.

Step 3. Demonstrate College Readiness
You must demonstrate you are ready for college prior to starting classes. CCD provides several options to demonstrate college readiness, detailed at CCD.edu/CollegeReady.

Step 4: Complete New Student Orientation
Register for an on-campus or online orientation at CCD.edu/Orientation. The on-campus orientation is full service, helping you demonstrate college readiness, meet your academic advisor, register for classes, start/update/finish your financial aid package, tour campus and get a campus ID and RTD pass.

Online orientation is available if you cannot or choose not to attend an on-campus orientation.

STEP 4a Meet with an Advisor
Academic advisors will help you pick the right classes, understand program requirements and 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 at New Student Orientation. Otherwise, you may register online by accessing your CCDConnect student account. Register early for the best selection of classes and times. Also, authorize CCD to apply your COF stipend to discount the tuition bill through the "COF" link in CCDConnect on the Financial Aid & Payments page.

Step 5: Pay Tuition & Confirm Financial Aid
After registering for classes, you must have done one of the following:

- Make sure financial aid award covers your whole tuition & fees bill.
- Pay your tuition in full.
- Set up a payment plan.

Note: If you register after the payment deadline, payment is due by the following Monday to avoid being dropped for non-payment. If you miss the deadline, you may be dropped from all classes and your seat will be offered to other students.

You should ensure that your mailing address is up to date in CCDConnect as instructions will be sent on how to select refund preferences should any refund be issued to you by CCD. This information will be mailed within 7-10 business days after registering for classes.

Next Steps
- Log into CCDConnect to review your book list and purchase books and supplies.
- Purchase your Student ID.
- Pick up your RTD pass.
- Contact the Accessibility Center as needed.
- Email your academic advisor.

International Student Admission

International@ccd.edu (international@ccd.edu) | 303.352.6565
Confluence Building, Room 114

CCD is the most diverse college in Colorado and we welcome students from all over the world. In fact, we have more than 43 countries represented in our student body. In addition, several of our faculty and staff speak multiple languages and assist you through the application and visa process.

For information on the admission process for F1-visa international students and to learn the requirements that F-1 students must maintain, please visit CCD.edu/International.

Application Timeline

Term	Application Deadline
Fall	June 1
Spring	November 1
Summer	March 1

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 an important component 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.

Advising Pathways

All degrees and certificate programs are clustered into seven advising pathways, each with their own advising experts. The Advising Pathways are as follows:

- Arts, Humanities & Design
- Business & Public Administration
- Education & Teaching
- Health Sciences
- Industry, Manufacturing & Construction
- Science, Engineering, Technology & Math (STEM)
- Social & Behavioral Sciences

Go to CCD.edu/Advising to learn more about the advising pathways, success programs, degrees and certificates.
The Academic Advising and Student Success Center also serves several special populations through our student success programs. These include:

- First Year Experience
- Urban Male Initiative
- Women Intentional about Success and Excellence
- DSF Scholars
- DSF SEED

Declaring or Changing Your Program of Study

You should indicate 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. All Center for Health Sciences programs and some Career and Technical Education (CTE) programs require department approval in order for the Office of Registration and Records to change your program of study.

You should consult with Financial Aid and Scholarships and Veterans Support Services before changing your program of study as it may impact your eligibility.

CCDConnect

CCDConnect: Online Student Portal

You are responsible to utilize CCDConnect to:

- Access student email.
- Register for classes.
- 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

Step-by-step instructions for accessing CCDConnect are available at CCD.edu/QuickGuides.

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 CCDConnect. 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 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.

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 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 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.

Late-Start Courses
Late-start courses start later in the semester as indicated in the CCD schedule. Credit earned through late-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 InterInstitutional Registration.

Helpful Information

Add/Drop Classes

It is each 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 also be verified with your academic advisor or with the Office of Registration and Records.

You may be dropped for failure to pay your outstanding balance. 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 (MAT 055) to University of Colorado Denver (CU Denver) students who require remediation in mathematics. CU Denver students must register for MAT 055 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 ofA, 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 froma 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 204, you are required to complete BIO 111 or BIO 201 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 111 course that is up to 10-years old for prerequisite waivers, some Center for Health Sciences programs require that BIO 111 must be completed no more than seven years prior to enrollment in BIO 204.

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 CCDConnect 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 certificateor 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 courseprerequisites 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.

Colorado School of Mines Inter-Institutional Registration

CCD and Colorado School of Mines (CSM) also have an inter-institutional agreement. Students who are registered for six credit hours or more at CCD may apply to register for EDNS 151: Engineering Design I at CSM during the same term. This registration is intended to allow prospective CSM transfer students to be integrated into the CSM community in advance of their formal transfer from CCD to CSM. As part of the CSM inter-institutional program, you must meet the following requirements: be degree-seeking, be registered for six or more credit hours at CCD, and be co-enrolled in MAT 201 or have completed MAT 201. CCD degree-seeking students who want to take classes at CSM can pick-up the inter-institutional registration form from the Office of Registration and Records. Students who participate in the inter-institutional program are responsible for following the procedures and deadlines set by the two institutions. Once your application has been processed and your registration is approved with the course information, you will receive an email from CSM. Waitlisted students must diligently check their CSM email for the registration notification. If you fail to register within the allotted time, you will need to re-waitlist; registration is not guaranteed. There are no exceptions if you do not register within the time allowed.

CSM students are permitted to take one elective course, not offered at CSM, and they should obtain the inter-institution application and registration from their home school. These forms are authorized by their home institution prior to submitting them to CCD. CSM students must adhere to all published deadlines. Colorado School of Mines students are able to register for online and extended campus courses. All students are required to meet course prerequisites, which may include assessment testing. After submission of forms, CCD will process the forms to prevent tuition assessment. The student will be responsible for paying for the course at their home institution. Schedule adjustments must be processed according to the published deadlines at Colorado School of Mines and CCD. Courses taken at the host institution in no way alter existing degree requirements, but may apply toward degree requirements, subject to approval by the home institution. Students are advised to confer with department chairs and academic advisors before registering inter-institutionally. Students should confirm, before enrolling, that desired courses will satisfy degree requirements at the home institution. Students may only receive financial aid at their home institution.

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.
- Graduateand/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/PLA

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/PLA.

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.

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.

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

- Have attended a public or private high school in Colorado for at least three years immediately preceding the date that the student either graduated from a Colorado high school or completed a general equivalency diploma in Colorado; and
- Be admitted to a Colorado college or university within 12 months of graduation from a Colorado high school or completion of a Colorado GED.
- 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.
- Have been physically present in Colorado on a continuous basis for at least 18 months preceding the start of the semester if you are a student without lawful immigration status who graduated or completed the GED prior to September 1, 2013, but were not admitted to a college or university within 12 months after graduating or completing the GED.

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.

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.

Requirements

- 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 below documentation.

Active-Duty Military Members

Active-duty military members are current members of the Armed Forces of the United States (U.S.). Qualifying U.S. active duty armed forces include Army, Navy, Air Force, Marine Corps, Coast Guard, Public Health Service, NOAA Corps, and members of the Canadian military. Active-duty military members and their dependents are eligible for in-state tuition if all requirements are met.

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

CCD IS COMMITTED TO HELPING YOU OBTAIN FUNDING TO PAY FOR COLLEGE.

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 & 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.

Rates are subject to change without notice.

Fees apply. See fee explanation below.

Resident Rates Per Credit Hour

	Tuition	COF Stipend	Your Share
Standard Tuition	$242.90	($94)	$148.90
Dental Hygiene (AAS)	$381.30	($94)	$296.30
Dental Hygiene (BAS)	$409.45	($94)	$315.45
CCD\CCC Online	$357.20	($94)	$263.20

Non-Resident Rates Per Credit Hour

Tuition	COF Stipend	Your Share	
Standard Tuition	$610.90	-0	$610.90
Dental Hygiene (AAS)	$619.70	-0	$619.70
Dental Hygiene (BAS)	$610.90	-0	$610.90
CCD\CCC Online	$401.25	-0	$401.25

Fees and refund deadlines vary.

Learn more about the COF stipend.

Fee Chart

The following information is an explanation of fees.

AHEC Resource Library Fee	$5.19 Per Credit Hour
Auraria Bond Fee	$40.67 1-3 Credit Hours
	$56.26 4-6 Credit Hours
	$75.00 7-11 Credit Hours
	$85.96 12 Credit Hours or More
Building/Renovation Fee	$8.00 Per Credit Hour
Clean Energy Fee	$5.30 Flat Per Semester
Health Center Fee	$24.00 Flat Per Semester
Immunization Fee	$2.00 Flat Per Semester
Malpractice Insurance	$8.50 Flat Per Academic Year
Mental Health Fee	$10.37 Flat Per Semester
Registration Fee	$13.75 Flat Per Semester
RTD Bus Pass Fee	$102.00 Flat Per Semester
Student Activity Fees	$7.53 Per Credit Hour
Tivoli Park/Student Space Fee	$5.35 Flat Per Semester

Fee Descriptions

Auraria Higher Education Center Resource Library Fee | $5.19 per credit hour
This fee supports Auraria Library functions.

Auraria Bond Fee
$40.67 for 1-3 credits, $56.26 for 4-6 credits, $75.00 for 7-11 credits, $85.96 for 12 or more credits. Auraria Campus students voted to approve a fee to pay off the bonds that funded construction on the Tivoli Student Union, Auraria Early Learning Center, and campus health physical education and recreation facilities. The students of all three Auraria institutions pay this fee.

Building/Renovation Fee | $8.00 per credit hour
This fee supports the construction of the Confluence Building and the renovation of the Cherry Creek Building.

Clean Energy Fee | $5.30 per term
This student-approved fee is for purchasing clean, renewable electrical power for the Auraria Campus.

Health Center Fee MSU Denver Medical Center | $24.00 per term
This fee allows students use of the medical center located on the Auraria Campus.

Immunization/Vaccination Fee | $2.00 per term
This fee supplements the provision of immunizations on campus for CCD students.

Malpractice Insurance Fee | $8.50 PER Academic Year
A Malpractice Insurance fee is assessed to those Health Science courses that require clinical activity, see the course description for more information.

Mental Health Fee | $10.37
This student-approved fee provides access for all CCD students to mental health counseling services on the Auraria Campus.

Registration Fee | $13.75
The CCCS charges a mandatory $13.75 per semester registration fee to students at all 13 of its colleges.

RTD Bus Pass Fee | $102.00 per term
The RTD bus pass is offered only to students taking on-campus classes. The Auraria student RTD pass covers fares for local bus service in the Denver-metro area, Light Rail, and all Express or Express Regional services. With the pass, students get a discount on all Sky-Ride routes. The pass is not valid for special services like the BroncosRide, RockiesRide, Access-a-Ride, and Guaranteed Ride Home.

Student Activity Fee | $7.53 per credit hour
This fee supports CCD student life staff and programs, including new student orientation and first-year experience, CCD student government, student handbook publication, child care scholarships, lending library, food bank, recreational activities, student events, Tivoli student computer lab, Auraria Student Health Center, LGBTQ Student Resource Center, and the Phoenix Center at Auraria.

Student Facilities Fee | $5.35 per term
This fee supports the Tivoli park/student spaces.

Additional Fees

Instructional Fees | $7.20
CCD charges a $7.20 per credit hour instructional program fee for highand medium-cost classes. Other fees and charges may apply.

Program Fees
Please be aware that certain departments, majors or classes may assess specific fees in order to offset associated costs, such as textbook fees, lab fees or toolkit fees.

These fees are subject to change.

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 are owed a refund will be required to pay for all classes added after refunds are issued. Account balances can be viewed and paid online at CCDConnect.

Prior to the census date, you may be dropped from your classes for failure to pay your outstanding balances or 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-payment or 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 and supplies) and estimated living expenses (room and board, 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	$16,709	$1,856
Living away from parents	$24,044	$2,672
Non-Resident	Per Year	Per Month
Living with parents	$27,797	$3,089
Living away from parents	$35,132	$3,904

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 FAFSA?

CCD uses the Free Application for Federal Student Aid (FAFSA) to determine your eligibility for all forms of student financial aid, including grants, scholarships, work-study and loans. Some student financial aid awards are based on limited funding and are awarded on a first-come, first-served basis. For this reason, CCD encourages you to apply early each year. The FAFSA is available at FAFSA.gov each year on October 1 for the following fall, spring and summer semesters.

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 registered with Selective Service (male students only).
- 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 or state financial aid but are encouraged to apply for scholarships at CCD. See CCD.edu/DREAMers for more information.

FAFSA Application Process

1. Create an FSA ID at FSAid.ed.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 FAFSA.gov. The FAFSA becomes available on October 1 each year for the following fall, spring and summer semesters. You are advised to link your FAFSA to the IRS when possible.
   a. Students who do not elect the "Link to the IRS" option may be required to submit a copy of federal tax return transcripts to the Financial Aid office.
   b. 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 Student Aid Report (SAR), 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 Estimated Family Contribution (EFC) as determined by the U.S. Department of Education.

Grants

All grants at CCD are need-based and do not need to be repaid. Award amounts and eligibility depend on EFC and enrollment status. Most grant payments will be reduced if you are not enrolled full-time. Half-time enrollment (six or more credits) will result in receiving half or less of a grant. 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 StudentLoans.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 StudentLoans.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.

THIS SECTION HELPS YOU UNDERSTAND WHAT IS EXPECTED OF YOU AS A CCD STUDENT AND AMEMBER OF THE COMMUNITY.

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**

Academic Policies & Standards

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 Satisfactory
The satisfactory grade is equivalent to a grade of C or better. These grades are not included in the GPA calculation or in quality points. The course will count for attempted and earned credits.

U Unsatisfactory
The unsatisfactory grade is equivalent to a D or F grade. These grades are not included in the GPA calculation. The course will count in attempted credits, but will not carry earned credits.

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 and/or tuition credit for that class.

- To receive an extenuating circumstance appeal packet, you must first meet with your academic advisor.
- You must complete and submit an extenuating circumstance appeal packet 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 committee's decision within 30 calendar days. Written notification will also be mailed to your address on file.
- The appeal packet must include all required signatures to be considered.
- 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 101 Cultural Anthropology	3	A	12=(3 x 4)
BIO 111 General College Biology	5	A	20=(5 x 4)
CIS 118 Introduction to PC Applications	3	B	9=(3 x 3)
ENG 121 English Comp I	3	D	3=(3 x 1)
POS 111 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:

- Copying from another student's assignment or receiving unauthorized assistance from another during an academic exercise or in the submission of academic material.
- Using a cell phone, calculator, computer or other materials when not authorized by the instructor.
- Collaborating with another student or students during an academic exercise without the consent of the instructor.

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
Intentional and unauthorized falsification or invention of any information or citation in an academic exercise.

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
A student has attempted fewer than 9 cumulative credit hours with a cumulative GPA that is greater than or equal to 2.0 for all classes attempted.

Academic Alert
A student has attempted fewer than a cumulative 9 credits with a cumulative GPA less than 2.00 for all classes attempted.

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

Probation
A student has attempted at least 9 cumulative credit hours and has a cumulative GPA less than 2.0 for all classes attempted.

Returning to Good Standing
By the conclusion of the academic probation term, the student must raise their cumulative GPA to at least 2.0. If this condition is met, the student returns to good standing.

Probation (continuing)
If a student on academic probation earns a GPA of at least 2.0 for all classes attempted during a term but fails to raise their cumulative GPA to at least 2.0, then the student will be allowed to attend the

next term but will remain on academic probation until the cumulative is at 2.0 or higher.

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

Suspension Rules

- Summer term may not be used as a "suspension term."
- Summer term may be used to remediate (improve) the GPA if approved by CCD. If you wish to enroll for summer term after being suspended, you will need to follow CCD's suspension reinstatement procedure.
- An initial suspension is for one term, excluding summer term.
- A second suspension is for two terms, excluding summer term.
- A third suspension is for two full years, or four academic terms, excluding summers.
- A student who has served the suspension time for initial suspension, second suspension, or third suspension, will be required to submit an academic suspension appeals packet and meet with their academic advisor to review and sign the packet.
- If approved by the academic appeals committee, you will be reinstated for two classes and be required to complete an accountability contract during their semester of reinstatement.

Appeals

- You may appeal your suspension by following the CCD suspension reinstatement procedure. If you intend to transfer to another CCCS college, you may appeal to the transferring CCCS college.
- If your suspension appeal is approved, you will be reinstated for the semester approved.
- When put on suspension, you will be dropped from all courses for any future terms. You will not be able to register for courses until you meet the requirements outlined in the suspension reinstatement procedure. You are ultimately responsible for your enrollment and need to check your enrollment schedule for accuracy.

Reinstatement Procedure

The academic suspension reinstatement procedures require that you meet with your academic advisor to review the academic suspension reinstatement packet prior to submitting it to the academic appeals committee for review. The completed and reviewed packet should be turned into academic advising.

The academic suspension packet can be found in the document library at CCD.edu/StudentForms. You should be prepared for the session with your academic advisor by reading and completing the forms in the packet. The following should be presented to the advisor for review and signature:

- An unofficial transcript/copy of an academic record.
- A printed Degree Works audit.
- A typed letter of appeal.
- Any supporting documentation outlining the circumstances that led to a suspension.

After the academic appeals committee reviews all appeals, an academic suspension committee member will notify you of your reinstatement status via your CCCS email account and by phone. If you are approved for reinstatement, you must follow the planned and approved courses outlined in the academic reinstatement plan and sign a reinstatement contract with the academic advising suspension advisor. In order to continue enrollment at CCD, you must meet all requirements outlined in your reinstatement contract.

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.

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.

Faculty may give a failing grade to any student who has missed at least 15 percent of a class after the first class meeting. You are responsible for properly processing a withdrawal from a class if you want to avoid receiving a failing grade.

You must provide instructors with a valid reason for an absence in a timely manner. However, accommodations may not be made for missed course assignments, participation, quizzes, tests or class sessions. You are responsible for learning the material that was taught during the absence 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.

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.

National Society for Leadership & Success
CCD.edu/NSLS

The National Society for Leadership and Success (Sigma Alpha Pi) is the nation's largest leadership honor society. Students are selected by CCD for membership based on either academic standing or leadership potential. Candidacy is a nationally recognized achievement of honorable distinction. With 496 chapters, the Society currently has 541,402 members nationwide.

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 the Office of Registration and Records.

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, D, S/A, S/B, S/C, and S.
- Grades considered to be failing when computing the percentage of attempted credits passed are as follows: I, F, U/D, U/F, W, and AW.
- Course completion rate is calculated by dividing the total attempted credits by the number of credits successfully completed as per the definitions above.

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 Academic Advising and Student Success Center.
- 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 2019 through spring semester 2020. 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

Mid-way through the fall or spring semester, the Office of Registration and Records will research records of students who have attended CCD in the previous three semesters to identify and automatically award those who are determined to be eligible for a general Associate of Art (A.A.), a general Associate of Science (A.S.), or an Associate of General Studies (A.G.S.) based on courses taken at CCD. Awards will be posted at the end of the semester.

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 for 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) or have changed your major in a previous term, 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 declared with the Office of Registration and Records, you may submit a program change form at CCD.edu/Change-Program. It will take seven business days for Degree Works to be updated with the corrected degree.

3. Print the Degree Works audit by clicking "print" at the top center of the page.

What-If Audit

To see how coursework will fit in another major, you can do a "what-if" audit. On the left-hand side of the screen, click on "what-if" and a new screen will open.

1. Under the what-if "program type," select a degree option or click on "certificate" for any of the certificate options.
2. For "academic 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.
- If applying for an A.A., A.S. or A.G.S. degree, you must submit a completed graduation application to the Office of Registration and Records by the published deadline.
- If applying for a certificate or an A.A.S. degree, graduation application and department chair review forms must be submitted. You should contact your academic advisor before the published deadline to discuss completion of this paperwork. Graduation applications submitted without a department chair review form will be denied.
- 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.
- Each degree/certificate requires a separate graduation application and, if applicable, a department chair review form.
- 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 grades have posted for the semester of graduation. All financial obligations to CCD or other Colorado Community College System (CCCS) colleges must be cleared before a degree, certificate or transcript will be released. Diplomas will be mailed to the address currently on record with CCD's student information system.
- 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 Designation or Associate of Science Degree with Designation.

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.
- Prior Learning Assessment 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.

Special Academic Programs

Army Reserve Officers' Training Corps (AROTC)

The Military Science Army Reserve Officers' Training Corps (AROTC) Program is offered on the Auraria Campus to all interested students at Community College of Denver. The Department of Military Science offers programs leading to an officer's commission in the active Army, Army Reserve, or National Guard, in conjunction with an undergraduate or graduate degree. Military Science courses are designed to supplement a regular degree program by providing practical leadership and management experience. Enrollment in the Basic Course (freshman and sophomore years) incurs no military obligation except for Army scholarship recipients.

You may participate in activities with the Buffalo Battalion's Charlie Company, located on the Auraria Campus, to include the color guard, intramural sports, running club and ranger challenge. Weekly or Saturday leadership labs provide cadets with practical leadership experience and performance-oriented, hands-on instruction outside of the classroom. Leadership labs are compulsory for enrolled cadets. Physical training (PT) is conducted three times a week with the purpose of developing muscular strength, endurance and cardio-respiratory endurance.

Applications for a secondand third-year scholarships are open to all community college students, but acceptance of an AROTC scholarship requires enrollment at a four-year, degree-granting university. For more information about scholarships, contact the enrollment/scholarship officer at 303.492.3549.

Since AROTC classes at Auraria Campus are taught at MSU Denver, you must register using the inter-institutional process, which incurs no additional costs. The AROTC classes at CCD use the ARM prefix (MSU Denver uses MILR).

For assistance with the inter-institutional registration process, contact Office of Registration and Records at 303.556.2420.

More information about AROTC is available by contacting the Department of Military Science office at 303.352.7419.

Developmental Education Program

CCD has a comprehensive developmental education program for students who need to upgrade reading, English, math and/or study skills. It includes:

- an evaluation or assessment of your basic academic skills;
- an interpretation of assessment test results by skilled faculty and advisors;
- skill development courses in reading, mathematics, writing and study skills;
- support with computer-assisted instruction;
- preparation for GED; and
- English-as-a-Second-Language instruction and support.

For more information, contact the Testing Center, Academic Advising and Student Success Center, the Center for Math and Science, or the Center for Arts and Humanities.

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 guaranteed 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

Career & Transfer Center

CCD.edu/Transfer | 303.556.2461 | Cherry Creek Building, Room 111

If you intend to transfer, it is very important to become familiar with the requirements of the school you plan to attend as early as possible. For more information, consult the Career and Transfer Center, and your academic advisor.

The Career and Transfer Center has reference catalogs, transfer guides, and application materials from Colorado's four-year colleges and universities, as well as catalogs from several out-of-state, four-year colleges and universities.

Representatives from four-year colleges and universities visit CCD regularly. Information about campus visits can be found in Cherry Creek Building, room 111 or call 303.556.2461.

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 SUPPORT 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.

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 100 or higher (ex. MAT 121). 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 100 (ex. MAT 050). 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 CCR 092 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 121, ENG 122).

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. If you have documented disabilities and need reasonable accommodation to access your courses and college activities, please notify the Accessibility Center to apply for services and accommodations, including sign language interpreting, alternative media production, note taking, assistive technology, ADA classroom furniture assistance, and extended time on tests.

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).

Questions?
Patty Davies
Director of Human Resources
Title IX/Title VII/ADA/Sec 504 Coordinator
Administration Building, Room 310
Campus Box 240
P.O. Box 173363
Denver, CO 80217-3363
Telephone: 303.352.3310

OR

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.

Career & Transfer Center
CCD.edu/CTC | 303.352.3306 | Cherry Creek Building, Room 111

The Career & Transfer Center assists students with both career development and job search and with transfer planning and transition.

To assist with career development, the Center provides career assessment, career exploration, skill building and job readiness skills such as resume and cover letter writing, interview prep, job search strategies, and coaching sessions. The Center also maintains the "Career Connections" web-based job posting and job search portal powered by Purple Briefcase where employers post job opportunities, students can find part-time jobs and internships, and alumni can find jobs after graduation. Students and alumni also have access to a mobile app for job search on-the-go.

To assist with transfer planning opportunities, the Center provides a transfer checklist for top four-year colleges and resources designed to support a student's transition with strategies to negotiate the four-year college and university system when they transfer after graduation. Specific service areas include:

- transfer planning and orientation
- transfer scholarship essay assistance
- four-year partner advising groups sessions
- transfer fairs with 15-30 colleges and universities
- monthly recruiter visits from in-state and out-of-state colleges
- individual transfer sessions, events and activities

Computer Labs & Tutoring
CCD provides space to study, access to computers, rooms for collaborative work and tutoring services at both the Confluence Building on the fourth floor and at Cherry Creek Building, rooms 205 and 210.

Brainfuse is a free online tutoring service available to help you with math, all types of writing and many other subjects. You can access Brainfuse through your Desire2Learn account.

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

Foundational Skills Institute
CCD.edu/FSI | 303.556.3805

The Foundational Skills Institute conducts high school equivalency test preparation classes, community English-as-a-Second-Language (ESL) classes, and basic skills for math classes. More information, including locations, class schedules and admission requirements is available online.

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, reading and math placement,
- placement exams for Spanish, French, Chinese 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),

- GED testing, and
- 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 fulland 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 informationand 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.

Walk-in Services
Walk-in services begin at 8 a.m., Monday through Friday. Access is on a first-come, first-served basis. The daily closure time for walk-in care varies depending on when all patient slots are filled. Patients are encouraged to check in as early as possible.

Students who have concerns about infectious diseases should contact the Health Center. The college will follow procedures defined by the Colorado Department of Human Services in order to ensure the health and safety of all students, faculty and staff.

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. You may park free for 20 minutes in the Tivoli Parking Garage. Four-hour parking meters are available for student use on the east side of the Cherry Creek Building. The parking office is open Monday Friday, 7:30 a.m. to 5:30 p.m.

Parking and Transportation Services also offers the following services:

- carpool parking discounts,
- free on-campus transportation for disabled students on the wheelchair-accessible Handivan (303.556.2001), and
- free campus shuttle service for evening students on the Auraria Night Rider Service (Monday through Thursday, dusk to 10 p.m.) (303.556.2001).

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/Apply | 303.556.2600
Confluence Building, Rm. 115

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

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

Cashier's Office
CCD.edu/Cashier | 303.556.2075
Confluence Building, Rm. 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, Rm. 137

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

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

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

New Student Orientation
CCD.edu/Orientation | 303.352.3166
Confluence Building, Rm. 115

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

Student Life
CCD.edu/StudentLife | 303.556.2597
Tivoli Student Union, Rm. 309

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

TRIO Student Support Services
CCD.edu/TRIO | 303.352.8746
Cherry Creek Building, Rm. 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**

A-Z LIST OF ACADEMIC PROGRAMS

ACCOUNTING PROGRAM	
Accounting	Associate of Applied Science
Accounting Transfer	Associate of Applied Science
Bookkeeping/Payroll	Certificate
Tax Preparation	Certificate
ANTHROPOLOGY PROGRAM	
Anthropology Designation	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
Digital Design Media	Associate of Applied Science
Sustainable Design	Associate of Applied Science
Contemporary Building Technology	Certificate
Digital Design Media	Certificate
Sustainable Design	Certificate
REVIT	Certificate
Basic Building Crafts	Certificate
Advanced Building Crafts	Certificate
ART PROGRAM	
Art History Designation	Associate of Arts[1]
Studio Art Designation	Associate of Arts[1]
BIOLOGY PROGRAM	
Biology Designation	Associate of Science[1]
BUSINESS ADMINISTRATION PROGRAM	
Business Designation	Associate of Arts[1]
Management	Associate of Applied Science
Marketing	Associate of Applied Science
Customer Service	Certificate
Entrepreneurship	Certificate
Retail Management	Certificate
CHEMISTRY PROGRAM	
Chemistry Designation	Associate of Science[1]
COMMUNICATION PROGRAM	
Communication Designation	Associate of Arts[1]
COMPUTER INFORMATION SYSTEMS PROGRAM	
Computer Information Systems	Associate of Applied Science
Computer Technology	Certificate
Cybersecurity	Associate of Applied Science
Cybersecurity	Certificate
Data Analytics	Certificate
CRIMINAL JUSTICE PROGRAM	
Criminal Justice Designation	Associate of Arts[1]
Criminal Justice	Associate of Applied Science
Homeland Security	Certificate
DENTAL HYGIENE PROGRAM	
Dental Hygiene	Associate of Applied Science
Dental Hygiene	Bachelor of Applied Science
EARLY CHILDHOOD EDUCATION PROGRAM	
Early Childhood Teacher Education Designation	Associate of Arts[1]
Early Childhood Education	Associate of Applied Science
Early Childhood Education Director	Certificate
Early Childhood Education Teacher, Level I	Certificate
Early Childhood Education Teacher, Level II	Certificate
ECONOMICS PROGRAM	
Economics Designation	Associate of Arts[1]
ELEMENTARY EDUCATION PROGRAM	
Elementary Education Designation	Associate of Arts[1]
ENGINEERING	
Engineering Transfer	Associate of Science
ENGINEERING GRAPHICS PROGRAM	
Computer Aided Design and Drafting/ Mechanical Designer	Associate of Applied Science
Computer Aided Design & Drafting/ Mechanical Designer Basic	Certificate
Computer Aided Design & Drafting/ Mechanical Designer Intermediate	Certificate
Inventor	Certificate
Solidworks	Certificate
Scanned Input 3D Modeling	Certificate
ENGLISH PROGRAM	
English-Literature Emphasis Designation	Associate of Arts[1]
ENVIRONMENTAL SCIENCE	
Environmental Science	Associate of Science

Continued next page

FABRICATION WELDING PROGRAM	
Fabrication Welder	Associate of Applied Science
Basic Welding	Certificate
Intermediate Welding	Certificate
ARC Welder	Certificate
Fabrication Welder	Certificate
Creative Metalworking	Certificate
FOOD, NUTRITION & WELLNESS PROGRAM	
Nutrition	Associate of Applied Science
Food, Nutrition & Wellness	Certificate
Certified Dietary Manager	Certificate
GEOGRAPHY PROGRAM	
Geography Designation	Associate of Arts[1]
GEOLOGY PROGRAM	
Geology Designation	Associate of Science[1]
GRAPHIC DESIGN PROGRAM	
Graphic Design	Associate of Applied Science
Graphic Design Transfer	Associate of Applied Science
Graphic Design	Certificate
HISTORY PROGRAM	
History Designation	Associate of Arts[1]
HUMAN SERVICES PROGRAM	
Human Services Transfer Degree	Associate of Applied Science
Human Services Pre-Social Work Degree	Associate of Applied Science
Human Services	Certificate
INFORMATION TECHNOLOGY PROGRAM	
Information Technology	Associate of Applied Science
Computer Service and Support	Certificate
Healthcare	Certificate
Network Security	Certificate
JOURNALISM PROGRAM	
Journalism Transfer	Associate of Arts
MACHINE TECHNOLOGY PROGRAM	
CNC Manufacturing	Associate of Applied Science
Basic Machining	Certificate
Intermediate Machining	Certificate
CNC Machine Tool Operator	Certificate
Industrial Maintenance Technologies	Certificate
Multi-Axis Lathe	Certificate
CNC Wire EDM	Certificate
Five-Axis Milling Machine	Certificate
MATHEMATICS PROGRAM	
Mathematics Designation	Associate of Science[1]
MEDICAL ASSISTING PROGRAM	
Medical Assisting	Associate of Applied Science
Medical Assisting	Certificate
PHLEBOTOMY PROGRAM	
Phlebotomy	Certificate

MUSIC PROGRAM	
Music Designation	Associate of Arts[1]
NURSING PROGRAMS	
Integrated Nursing Pathway	Associate of General Studies
Nurse Aide	Certificate
PARALEGAL PROGRAM	
Paralegal	Associate of Applied Science
Paralegal Transfer	Associate of Applied Science
General Paralegal	Certificate
PHILOSOPHY PROGRAM	
Philosophy Designation	Associate of Arts[1]
PHYSICS PROGRAM	
Physics Designation	Associate of Science[1]
POLITICAL SCIENCE PROGRAM	
Political Science Designation	Associate of Arts[1]
PSYCHOLOGY DESIGNATION	
Psychology Designation	Associate of Arts[1]
Psychology Designation	Associate of Science[1]
RADIOLOGIC TECHNOLOGY PROGRAM	
Radiologic Technology	Associate of Applied Science
Computed Tomography	Certificate
Mammography	Certificate
Magnetic Resonance	Certificate
SOCIOLOGY DESIGNATION	
Sociology Designation	Associate of Arts[1]
SURGICAL TECHNOLOGY PROGRAM	
Surgical Technology	Associate of Applied Science
THEATRE PROGRAM	
Theatre Designation	Associate of Arts[1]
Technical Theatre	Associate of Applied Science
Entertainment Industry Writing	Certificate
Performance	Certificate
Theatrical Design & Management	Certificate
VETERINARY TECHNOLOGY PROGRAM	
Veterinary Technology	Associate of Applied Science
Veterinary Technology Assistant	Certificate
WORLD LANGUAGES PROGRAM	
French Designation	Associate of Arts[1]
Spanish Designation	Associate of Arts[1]
DEGREES	
Degrees with Designation	
Associate of Arts	
Associate of Science	
Associate of General Studies	
Bachelor & Associate of Applied Science & Certificates	

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 seven 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, Humanities & Design
- Business & Public Administration
- Education & Teaching
- Health Sciences
- Industry, Manufacturing & Construction
- Science, Technology, Engineering & Math (STEM)
- Social & Behavioral Sciences

ARTS, HUMANITIES & DESIGN

In the pathway of Arts, Humanities 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
ART PROGRAM	
Art History Designation	Associate of Arts[1]
Studio Art Designation	Associate of Arts[1]
COMMUNICATION PROGRAM	
Communication Designation	Associate of Arts[1]
ENGLISH PROGRAM	
English-Literature Emphasis Designation	Associate of Arts[1]
GEOGRAPHY PROGRAM	
Geography Designation	Associate of Arts[1]
GRAPHIC DESIGN PROGRAM	
Graphic Design	Associate of Applied Science
Graphic Design Transfer	Associate of Applied Science
Graphic Design	Certificate
HISTORY PROGRAM	
History Designation	Associate of Arts[1]
JOURNALISM PROGRAM	
Journalism Transfer	Associate of Arts
MUSIC PROGRAM	
Music Designation	Associate of Arts[1]
PHILOSOPHY PROGRAM	
Philosophy Designation	Associate of Arts[1]
THEATRE PROGRAM	
Theatre Designation	Associate of Arts[1]
Technical Theatre	Certificate
Performance	Certificate
Entertainment Industry Writing	Certificate
Theatrical Design & Management	Certificate
WORLD LANGUAGES PROGRAM	
French Designation	Associate of Arts[1]
Spanish Designation	Associate of Arts[1]

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.

Art

Associate of Arts Degrees

Center for Arts & Humanities
CCD.edu/Art

Community College of Denver currently offers two Associate of Arts degrees in art.

- Art History
- Studio Art

Art History Designation

Launch your way into a career that investigates the rich history of art and art making! Colorado's diverse art and museum culture offer you a unique opportunity to focus your study of art and history towards a thriving career! The Associate of Arts degree with a designation in art history is designed for you to earn credit for the first two years of a Bachelor of Arts in art or art history and transfer to a four-year university to complete the bachelor's degree. More specifically, this degree path invites you to explore hands-on the history of art.

As a student of art history, you will have the opportunity to research and analyze the way that art objects like painting, sculpture, architecture and photography have impacted society and changed over time. Many critical and creative thinkers from CCD have completed an art history degree with designation and transferred to prestigious four-year institutions to continue their education and launch successful careers. Career paths for art history degree holders include various positions within museums and galleries, including curation, exhibition design, restoration, preparation, registration and education. Other popular career paths include research assistants, art education, government or non-profit work and advanced university studies.

COURSE MAP

Course	Title	Credits
First Semester		
ART 111	Art History Ancient to Medieval: GT-AH1	3
ENG 121	English Composition I: GT-CO1 [2,3]	3
MAT 120	Math for Liberal Arts: GT-MA1 [2]	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [1,4]		3
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 113	Logic: GT-AH3	
LIT 115	Introduction to Literature I: GT-AH2	
HUM 103	Introduction to Film Art: GT-AH2	
PHI 115	World Religions-West: GT-AH3	
HUM 115	World Mythology: GT-AH2	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
MUS 122	Music History Romantic Period to Present: GT-AH1	
THE 211	Development of Theatre Greek to Renaissance: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
	Subtotal	16
Second Semester		
ART 112	Art History Renaissance to Modern: GT-AH1	3
ENG 122	English Composition II: GT-CO2 [3]	3
ART 121	Drawing I	3
Choose One History Course (GT-HI1)		3
HIS 247	20th Century World History: GT-HI1	
HIS 250	African American History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 205	Women in World History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
SCI 156	Integrated Science II with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
	Subtotal	16
Third Semester		
ART 207	Art History 1900 to Present: GT-AH1	3
ART 131	Visual Concepts 2-D Design	3
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC3)		4
SCI 156	Integrated Science II with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	

Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
POS 105	Intro to Political Science: GT-SS1	
ANT 101	Cultural Anthropology: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
GEO 105	World Regional Geography: GT-SS2	
Choose One Elective		3
SPA 111	Spanish Language I [6]	
FRE 111	French Language I [6]	
CHI 111	Chinese Language I [6]	
ANT 107	Introduction to Archaeology: GT-SS3	
PHI 220	Philosophy of Death and Dying: GT-AH3	
ANT 201	Introduction to Forensic Anthropology: GT-SS3	
	Subtotal	16
Fourth Semester		
ART 132	Visual Concepts 3-D Design	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
PHI 112	Ethics: GT-AH3	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
HUM 123	Humanities: Modern World: GT-AH2	
PHI 116	World Religions-East: GT-AH3	
LIT 205	Ethnic Literature: GT-AH2	
PHI 214	Philosophy of Religion: GT-AH3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3) [5]		3
ANT 101	Cultural Anthropology: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
COM 220	Intercultural Communication: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
WST 200	Introduction to Women`s Studies: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
Choose One Elective		3
SPA 112	Spanish Language II [6]	
FRE 112	French Language II [6]	
CHI 112	Chinese Language II [6]	
ART 221	Drawing II	
ART 151	Painting I	
	Subtotal	12
	Total Credits	60

1 ART 110 can be counted as an GT-AH or as an elective class, if taken as a GT-AH class, students should choose another elective.

2 Building Block Course

3 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

4 6 total GT-AH credits must not be courses listed in the additional required courses.

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

6 This course is 5 credit hours. CSU students are recommended to take a foreign language sequence.

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.

Studio Art Designation

Draw, paint, or photograph your way to a career in the arts! Colorado's diverse art culture provides many opportunities for visual artists who want to embrace their creativity and focus it towards a thriving career! The Associate of Arts degree with a designation in studio art is designed for you to earn credit for the first two-years of a Bachelor of Arts or Bachelor of Fine Arts and transfer to a four-year university to complete the bachelor's degree. More specifically, this degree path invites you to explore studio art-making techniques and the history of art making.

As a student of studio art, you will have the opportunity to learn visual communication skills through drawing, design fundamentals in two- and three-dimensions, photography and more! Many talented artists from CCD have completed a studio art degree with designation and transferred to prestigious four-year institutions to continue their education and launch successful careers. Career paths for studio art degree holders include professional artist, various kinds of illustrators, art educator, art therapist, museum/gallery manager, street artist/muralist, art restorer, interior designer, fashion designer and body/theater artist.

COURSE MAP

Course	Title	Credits
First Semester		
ART 111	Art History Ancient to Medieval: GT-AH1	3
ART 121	Drawing I	3
ENG 121	English Composition I: GT-CO1 [2,3]	3
MAT 120	Math for Liberal Arts: GT-MA1 [2]	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [1,4]		3
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 113	Logic: GT-AH3	
LIT 115	Introduction to Literature I: GT-AH2	
HUM 103	Introduction to Film Art: GT-AH2	
PHI 115	World Religions-West: GT-AH3	
HUM 115	World Mythology: GT-AH2	
	Subtotal	16
Second Semester		
ENG 122	English Composition II: GT-CO2 [3]	3
ART 131	Visual Concepts 2-D Design	3
ART 112	Art History Renaissance to Modern: GT-AH1	3
Choose One History Course (GT-HI1)		3
HIS 247	20th Century World History: GT-HI1	
HIS 250	African American History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 205	Women in World History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
SCI 156	Integrated Science II with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
	Subtotal	16
Third Semester		
ART 221	Drawing II	3
ART 132	Visual Concepts 3-D Design	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 207	Art History 1900 to Present: GT-AH1	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
HUM 123	Humanities: Modern World: GT-AH2	
PHI 116	World Religions-East: GT-AH3	
LIT 205	Ethnic Literature: GT-AH2	
PHI 214	Philosophy of Religion: GT-AH3	
Choose one Social & Behavioral Sciences Courses (GT SS1-GT SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	

WST 200	Introduction to Women`s Studies: GT-SS3	
GEO 105	World Regional Geography: GT-SS2	
Choose One Elective		3
ART 139	Digital Photography I	
ART 134	Visual Concepts 4-D Design	
ART 128	Figure Drawing I	
ART 151	Painting I	
ART 255	Mural Painting I	
	Subtotal	15
Fourth Semester		
Choose One Elective		3
ART 139	Digital Photography I	
ART 239	Digital Photography II	
ART 134	Visual Concepts 4-D Design	
ART 128	Figure Drawing I	
ART 151	Painting I	
ART 251	Painting II	
Choose One Elective		3
ART 239	Digital Photography II	
ART 134	Visual Concepts 4-D Design	
ART 128	Figure Drawing I	
ART 151	Painting I	
ART 251	Painting II	
ART 255	Mural Painting I	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		4
SCI 156	Integrated Science II with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3) [5]		3
ANT 101	Cultural Anthropology: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
COM 220	Intercultural Communication: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
WST 200	Introduction to Women`s Studies: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
	Subtotal	13
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 One Guaranteed Transfer Math course (GT-MA1), MAT 120 is recommended.

4 Students planning to transfer to CSU-FC for completion of the BA in Studio Art must complete two semesters of one foreign language for their electives OR be able to pass the CSU-FC Foreign Language placement exam at the sophomore level. It may not be possible to complete the BA in Studio Art in two years without this prior foreign language competency.

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.

Communication

Associate of Arts Degree

Center for Arts & Humanities
CCD.edu/Communication

Communication Designation

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		
COM 115	Public Speaking [1]	3
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 120	Math for Liberal Arts: GT-MA1 [1,3]	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
ART 112	Art History Renaissance to Modern: GT-AH1	
COM 130	Communication and Popular Culture: GT-AH1	
ENG 221	Creative Writing I GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
JOU 105	Introduction to Mass Media: GT-SS3	3
	Subtotal	16
Second Semester		
COM 125	Interpersonal Communication	3
ENG 122	English Composition II: GT-CO2 [2]	3
Choose One Social & Behavioral Sciences (GT-SS1~GT-SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
SCI 156	Integrated Science II with Lab: GT-SC1	
Choose One Elective Course		3
JOU 106	Media News and Reporting	
JOU 225	New Media	
	Subtotal	16
Third Semester		
COM 220	Intercultural Communication: GT-SS3	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
HUM 103	Introduction to Film Art: GT-AH2	
HUM 115	World Mythology: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	

PHI 111	Intro to Philosophy: GT-AH3	
PHI 112	Ethics: GT-AH3	
PHI 114	Comparative Religions: GT-AH3	
Choose One History Course (GT-HI1)		3
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 249	History of Islamic Civilization: GT-HI1	
HIS 250	African American History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1 or GT-SC2)		3
AST 155	Astronomy of Ancient Cultures: GT-SC2	
BIO 103	Principles of Animal Biology: GT-SC2	
BIO 116	Introduction to Human Disease: GT-SC2	
GEY 108	Geology of National Parks GT-SC2	
Choose One Elective		3
JOU 106	Media News and Reporting	
JOU 225	New Media	
	Subtotal	15
Fourth Semester		
COM 217	Group Communication	3
Choose One Communication Course		3
COM 105	Career Communication	
COM 126	Communication in Healthcare	
COM 215	Gender Communication	
COM 216	Advanced Public Speaking	
COM 225	Organizational Communication	
COM 280	Internship	
Choose One History or Social & Behavioral Sciences Course (GT-HI1, GT-SS1~GT-SS3)		3
HIS 122	U.S. History Since the Civil War: GT-HI1	
HIS 225	Colorado History: GT-HI1	
HIS 235	History of American West: GT-HI1	
HIS 236	US History Since 1945: GT-HI1	
HIS 260	US Foreign Relations History: GT-HI1	
POS 111	American Government: GT-SS1	
JOU 231	Introduction to Public Relations	4
	Subtotal	13
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Guaranteed Transfer Math Course (GT-MA1); MAT 120 recommended.

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

Center for Arts & Humanities
CCD.edu/English

English-Literature Emphasis Designation
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 121	English Composition I: GT-CO1 [1,2]	3
MAT 120	Math for Liberal Arts: GT-MA1 [1,3]	4
Choose One Communication Class		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
COM 220	Intercultural Communication: GT-SS3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
HUM 123	Humanities: Modern World: GT-AH2	
ENG 221	Creative Writing I GT-AH1	
PHI 220	Philosophy of Death and Dying: GT-AH3	
PHI 114	Comparative Religions: GT-AH3	
Choose One Literature Course (GT-AH2) [5]		3
LIT 115	Introduction to Literature I: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
LIT 201	World Literature to 1600: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
LIT 246	Literature of Women: GT-AH2	
LIT 225	Introduction to Shakespeare: GT-AH2	
	Subtotal	16
Second Semester		
ENG 122	English Composition II: GT-CO2 [2]	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
PHY 105	Conceptual Physics with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
Choose One History Course (GT-HI1)		3
HIS 205	Women in World History: GT-HI1	
HIS 249	History of Islamic Civilization: GT-HI1	
HIS 250	African American History: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 203	Civil War Era in American History: GT-HI1	

HIS 112	The World: 1500-Present: GT-HI1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
JOU 105	Introduction to Mass Media: GT-SS3	
PSY 102	General Psychology II: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
Choose One Literature Course (GT-AH2) [5]		3
LIT 259	Survey of African American Literature: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
LIT 201	World Literature to 1600: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
LIT 246	Literature of Women: GT-AH2	
	Subtotal	16

Third Semester

Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
HUM 115	World Mythology: GT-AH2	
ART 112	Art History Renaissance to Modern: GT-AH1	
HUM 103	Introduction to Film Art: GT-AH2	
THE 105	Theatre Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
PHI 111	Intro to Philosophy: GT-AH3	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		3
AST 155	Astronomy of Ancient Cultures: GT-SC2	
GEY 108	Geology of National Parks GT-SC2	
BIO 103	Principles of Animal Biology: GT-SC2	
ENV 101	Environmental Science with Lab: GT-SC1	
BIO 116	Introduction to Human Disease: GT-SC2	
ANT 111	Biological Anthropology with Lab: GT-SC1	
Choose One Literature Course (GT-AH2) [5]		3
LIT 211	American Literature to Civil War: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
LIT 201	World Literature to 1600: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
LIT 246	Literature of Women: GT-AH2	
Choose One Literature Course (GT-AH2) [5]		3
LIT 212	American Literature After Civil War: GT-AH2	
LIT 225	Introduction to Shakespeare: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
LIT 201	World Literature to 1600: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
LIT 246	Literature of Women: GT-AH2	
Choose One Elective		3
ENG 221	Creative Writing I GT-AH1	
SPA 111	Spanish Language I [6]	
HUM 103	Introduction to Film Art: GT-AH2	
ENG 226	Fiction Writing	
ENG 227	Poetry Writing	
JOU 106	Media News and Reporting	
	Subtotal	15

Fourth Semester

Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 115	World Religions-West: GT-AH3	
HUM 123	Humanities: Modern World: GT-AH2	
PHI 114	Comparative Religions: GT-AH3	
ART 112	Art History Renaissance to Modern: GT-AH1	
PHI 220	Philosophy of Death and Dying: GT-AH3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
JOU 105	Introduction to Mass Media: GT-SS3	
PSY 102	General Psychology II: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
Choose One Literature Course (GT-AH2) [5]		3
LIT 211	American Literature to Civil War: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
LIT 201	World Literature to 1600: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
LIT 246	Literature of Women: GT-AH2	
Choose One Elective		3
ENG 221	Creative Writing I GT-AH1	
SPA 112	Spanish Language II [6]	
HUM 103	Introduction to Film Art: GT-AH2	
PHI 220	Philosophy of Death and Dying: GT-AH3	
HUM 123	Humanities: Modern World: GT-AH2	
CIS 118	Introduction to PC Applications	
Choose One Elective		1
MUS 151	Ensemble I	
LIT 285	Independent Study	
HUM 285	Independent Study	
	Subtotal	13
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Guaranteed Transfer Math Course; MAT 120 recommended.

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

5 Students are required to take a total of 5 (five) LIT courses (15 credits), 4 (four) of which must be at the 200-level. Please consult with your receiving institution regarding best choices for literature courses.

6 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.

French

Associate of Arts Degree

Center for Arts & Humanities
CCD.edu/World-Languages

French Designation
The Associate of Arts (A.A.) degree with a designation in French prepares you to complete a Bachelor of Arts (B.A.) in French at a four-year university. In this program, you will explore Francophone language and cultures. In an increasingly global economy, speaking another language and understanding the culture of those communities is a vital skill. French is one of the six official languages of the United Nations and is spoken in over 55 countries.

Courses in French are taught as immersion and focus on high levels of interaction from day one in order to give you the greatest opportunity to learn and use the language. With an A.A. in French, you will reach a level that allows you to interact with cultural competence in academic and career-related situations, or for your own enjoyment, all in the French language. This program introduces you to the study of French and includes courses that are common to all four-year institutions in Colorado.

Career paths for French language degree holders include professions in journalism, diplomacy, international relations, NGO/humanitarianism, business, trade and investment. Careers typically require a bachelor's degree.

Degree names may vary according to the institution. Please see your academic advisor for more information.

COURSE MAP

Course	Title	Credits
First Semester		
COM 220	Intercultural Communication: GT-SS3	3
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 120	Math for Liberal Arts: GT-MA1 [1,3]	4
FRE 111	French Language I [4]	5
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2 [2]	3
FRE 112	French Language II [4]	5
Choose One History Course (GT-HI1) [5]		3
HIS 247	20th Century World History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 260	US Foreign Relations History: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
Choose One Natural & Physical Sciences (GT-SC1)		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
SCI 156	Integrated Science II with Lab: GT-SC1	
	Subtotal	15
Third Semester		
FRE 211	French Language III: GT-AH4	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
JOU 105	Introduction to Mass Media: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
GEO 105	World Regional Geography: GT-SS2	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
POS 205	International Relations: GT-SS1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ENV 101	Environmental Science with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
SCI 156	Integrated Science II with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4))		3
LIT 205	Ethnic Literature: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
MUS 123	Survey of World Music: GT-AH1	
ART 207	Art History 1900 to Present: GT-AH1	
SPA 211	Spanish Language III: GT-AH4	
SPA 212	Spanish Language IV: GT-AH4	
Choose One Elective [5]		3
ART 112	Art History Renaissance to Modern: GT-AH1	
SPA 211	Spanish Language III: GT-AH4	
SPA 212	Spanish Language IV: GT-AH4	
COM 125	Interpersonal Communication	
HIS 249	History of Islamic Civilization: GT-HI1	
HUM 115	World Mythology: GT-AH2	
	Subtotal	16
Fourth Semester		
FRE 212	French Language IV: GT-AH4	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
POS 225	Comparative Government: GT-SS1	
POS 111	American Government: GT-SS1	
GEO 106	Human Geography: GT-SS2	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
Choose One Elective		3
SPA 211	Spanish Language III: GT-AH4	
HIS 260	US Foreign Relations History: GT-HI1	
HUM 115	World Mythology: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
CHI 211	Chinese Language III	
COM 125	Interpersonal Communication	
Choose One Elective		5
SPA 111	Spanish Language I	
SPA 112	Spanish Language II	
ASL 121	American Sign Language I	
CHI 112	Chinese Language II	
ASL 122	American Sign Language II	
CHI 111	Chinese Language I	
	Subtotal	14
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Guaranteed Transfer Math Course (GT-MA1): MAT 120 is recommended.

4 FRE 111 and/or FRE 112 may be waived, based on a student's proficiency level.

5 CSU-Ft. Collins requires two non-US History courses.

NOTE: Degree tracks in "French for the Professions" and "French with Secondary Teacher Licensure" have different requirements and are not included in this agreement.

NOTE: Additional FRE courses identified above may not count toward the French major at the receiving four-year institution. Please see 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.

Geography

Associate of Arts Degree

Geography Designation

The Associate of Arts degree with a designation in geography 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 in geography.

As a geography student, you will learn to describe and analyze physical and cultural landscape. You will explore the Earth's surface features and climate, how humans are distributed and the ways in which humans interact with their environment. The program also delves into all aspects of the physical and cultural landscape. Careers in this field often require a bachelor's degree.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 121	English Composition I: GT-CO1 [1,2]	3
GEO 105	World Regional Geography: GT-SS2	3
MAT 135	Intro to Statistics: GT-MA1 [1,3]	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH3)		3
ART 111	Art History Ancient to Medieval: GT-AH1	
LIT 201	World Literature to 1600: GT-AH2	
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 115	World Mythology: GT-AH2	
MUS 123	Survey of World Music: GT-AH1	
PHI 111	Intro to Philosophy: GT-AH3	
Choose One Elective		3
POS 111	American Government: GT-SS1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
POS 205	International Relations: GT-SS1	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2 [2]	3
GEO 106	Human Geography: GT-SS2	3
Choose One History Course (GT-HI1)		3
HIS 249	History of Islamic Civilization: GT-HI1	
HIS 205	Women in World History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 215	Women in U.S. History: GT-HI1	
HIS 260	US Foreign Relations History: GT-HI1	
HIS 259	Modern Middle East: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1) [4]		4
BIO 111	General College Biology I with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
GEO 111	Physical Geography: Landforms with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1 or GT-SS3)		3
POS 205	International Relations: GT-SS1	
ANT 215	Indians of North America: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
PSY 205	Psychology of Gender: GT-SS3	
SOC 215	Contemporary Social Problems: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
	Subtotal	16
Third Semester		
GEO 111	Physical Geography: Landforms with Lab: GT-SC1	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH3)		3
ART 112	Art History Renaissance to Modern: GT-AH1	
LIT 201	World Literature to 1600: GT-AH2	
LIT 212	American Literature After Civil War: GT-AH2	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
MUS 123	Survey of World Music: GT-AH1	
PHI 115	World Religions-West: GT-AH3	
Choose One Natural & Physical Sciences Course (GT-SC1) [4]		4
BIO 111	General College Biology I with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
AST 155	Astronomy of Ancient Cultures: GT-SC2	
AST 101	Astronomy I with Lab: GT-SC1	
Choose One Elective		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
COM 220	Intercultural Communication: GT-SS3	
PHI 113	Logic: GT-AH3	
LIT 246	Literature of Women: GT-AH2	
LIT 225	Introduction to Shakespeare: GT-AH2	
	Subtotal	14
Fourth Semester		
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	4
Choose One Social & Behavioral Sciences Course (GT-SS1 or GT-SS3)		3
PSY 101	General Psychology I: GT-SS3	
PSY 269	Psychology of Leadership	
SOC 218	Sociology of Diversity: GT-SS3	
SOC 215	Contemporary Social Problems: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
PHI 114	Comparative Religions: GT-AH3	
Choose One Elective		3
HIS 260	US Foreign Relations History: GT-HI1	
HIS 122	U.S. History Since the Civil War: GT-HI1	
HIS 236	US History Since 1945: GT-HI1	
HUM 121	Humanities: Early Civilization: GT-AH2	
ANT 101	Cultural Anthropology: GT-SS3	
PHI 111	Intro to Philosophy: GT-AH3	
Choose One Elective		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
COM 220	Intercultural Communication: GT-SS3	
LIT 225	Introduction to Shakespeare: GT-AH2	
WST 240	Goddesses and Women in Ancient World: GT-SS3	
PSY 205	Psychology of Gender: GT-SS3	
Choose One Elective		2
HIS 225	Colorado History: GT-HI1	
HIS 203	Civil War Era in American History: GT-HI1	
ART 110	Art Appreciation: GT-AH1	
ART 111	Art History Ancient to Medieval: GT-AH1	
LIT 259	Survey of African American Literature: GT-AH2	
ENG 201	English Composition III: GT-CO3	
	Subtotal	15
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 One GT Pathways course (GT-MA1), prefer MAT 135: Introduction to Statistics, except: Adams State University requires MAT 121: College Algebra; Metropolitan State University of Denver requires either MAT 135: Introduction to Statistics or MAT 121: College Algebra; University of Colorado Denver requires either MAT 121: College Algebra or MAT 135: Intro to Statistics.

4 NO GEO-prefix science courses
GEY 111 (Physical Geology) not recommended
For Adams State, students must take BIO 111 (General College Biology I, GT-SC1) and CHE 101 (Introduction to Chemistry I, GT-SC1).

The number of elective credits may vary according to the receiving institution; please contact an academic advisor at the receiving 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.

Multimedia Graphic Design

Associate of Applied Science Degree

Center for Arts & Humanities
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.

As a student, you will be expected to buy your own tools and materials. The beginning program courses require an original investment of between $100 and $300 and you are expected to add needed tools and materials as the program progresses.

PROGRAM ADMISSION REQUIREMENTS

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

COURSE MAP

Course	Title	Credits
First Semester		
MGD 101	Introduction to Computer Graphics [1]	3
MGD 116	Typography I [1]	3
ENG 131	Technical Writing I GT-CO1	3
ART 131	Visual Concepts 2-D Design	3
ART 112	Art History Renaissance to Modern: GT-AH1	3
	Subtotal	15
Second Semester		
MGD 105	Typography and Layout [1]	3
ART 121	Drawing I	3
ART 207	Art History 1900 to Present: GT-AH1	3
ART 139	Digital Photography I	3
MGD 114	Adobe InDesign	3
	Subtotal	15
Third Semester		
MGD 141	Web Design I	3
MGD 213	Electronic Prepress	3
COM 125	Interpersonal Communication	3
MGD 111	Adobe Photoshop I	3
MGD 112	Adobe Illustrator I	3
	Subtotal	15
Fourth Semester		
MGD 289	Capstone	3
ACC 101	Fundamentals of Accounting	3
ART 134	Visual Concepts 4-D Design	3
MGD 241	Web Design II	3
MGD 203	Design and Concept	3
	Subtotal	15
	Total Credits	60

[1] Building Block Course

Graphic Design 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		
ENG 121	English Composition I: GT-CO1	3
COM 115	Public Speaking	3
ART 121	Drawing I	3
ART 131	Visual Concepts 2-D Design	3
MGD 116	Typography I	3
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2	3
MAT 120	Math for Liberal Arts: GT-MA1	4
ART 111	Art History Ancient to Medieval: GT-AH1	3
ART 132	Visual Concepts 3-D Design	3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	3
	Subtotal	16
Third Semester		
PSY 101	General Psychology I: GT-SS3	3
AST 101	Astronomy I with Lab: GT-SC1	4
ART 112	Art History Renaissance to Modern: GT-AH1	3
ART 134	Visual Concepts 4-D Design	3
MGD 105	Typography and Layout	3
	Subtotal	16
Fourth Semester		
PHI 111	Intro to Philosophy: GT-AH3	3
BIO 103	Principles of Animal Biology: GT-SC2	3
SOC 101	Introduction to Sociology I: GT-SS3	3
MGD 203	Design and Concept	3
ART 207	Art History 1900 to Present: GT-AH1	3
	Subtotal	15
	Total Credits	62

Certificate

Center for Arts & Humanities
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.

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

COURSE MAP

Course	Title	Credits
First Semester		
ART 131	Visual Concepts 2-D Design	3
MGD 101	Introduction to Computer Graphics [1, 2]	3
MGD 116	Typography I [1]	3
MGD 114	Adobe InDesign	3
MGD 141	Web Design I	3
	Subtotal	15
Second Semester		
MGD 105	Typography and Layout [1]	3
MGD 112	Adobe Illustrator I	3
MGD 111	Adobe Photoshop I	3
MGD 213	Electronic Prepress	3
MGD 241	Web Design II	3
	Subtotal	15
	Total Credits	30

History

Associate of Arts Degree

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/History

History Designation

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		
HIS 121	U.S. History to Reconstruction: GT-HI1 [1]	3
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 120	Math for Liberal Arts: GT-MA1 [1, 3]	4
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
Choose One Elective [5]		3
ANT 101	Cultural Anthropology: GT-SS3	
ECO 201	Principles of Macroeconomics: GT-SS1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 113	Logic: GT-AH3	
SOC 218	Sociology of Diversity: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
	Subtotal	16
Second Semester		
ENG 122	English Composition II: GT-CO2 [2]	3
HIS 122	U.S. History Since the Civil War: GT-HI1	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 111	General College Biology I with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
GEO 111	Physical Geography: Landforms with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
SOC 215	Contemporary Social Problems: GT-SS3	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
POS 225	Comparative Government: GT-SS1	
ANT 215	Indians of North America: GT-SS3	
PSY 205	Psychology of Gender: GT-SS3	
WST 240	Goddesses and Women in Ancient World: GT-SS3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
ART 111	Art History Ancient to Medieval: GT-AH1	
HUM 115	World Mythology: GT-AH2	
HIS 203	Civil War Era in American History: GT-HI1	
HIS 236	US History Since 1945: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
	Subtotal	16
Third Semester		
Choose One History Course		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1 [4]	
HIS 111	The World: Antiquity-1500: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 112	Art History Renaissance to Modern: GT-AH1	
LIT 201	World Literature to 1600: GT-AH2	
LIT 212	American Literature After Civil War: GT-AH2	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
MUS 123	Survey of World Music: GT-AH1	
HIS 225	Colorado History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1 or GT-SC2)		3
ANT 111	Biological Anthropology with Lab: GT-SC1	
AST 155	Astronomy of Ancient Cultures: GT-SC2	
ENV 101	Environmental Science with Lab: GT-SC1	
BIO 111	General College Biology I with Lab: GT-SC1	
GEO 111	Physical Geography: Landforms with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSY 101	General Psychology I: GT-SS3	
PSY 205	Psychology of Gender: GT-SS3	
PSY 269	Psychology of Leadership	
SOC 215	Contemporary Social Problems: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
POS 111	American Government: GT-SS1	
Choose One Elective [5]		3
HIS 244	History of Latin America: GT-HI1	
HIS 260	US Foreign Relations History: GT-HI1	
LIT 201	World Literature to 1600: GT-AH2	
LIT 225	Introduction to Shakespeare: GT-AH2	
POS 205	International Relations: GT-SS1	
LIT 246	Literature of Women: GT-AH2	
	Subtotal	15
Fourth Semester		
Choose One History Course		3
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
MUS 122	Music History Romantic Period to Present: GT-AH1	
PHI 111	Intro to Philosophy: GT-AH3	
PHI 114	Comparative Religions: GT-AH3	
PHI 115	World Religions-West: GT-AH3	
Choose One History Course (GT-HI1)		3
HIS 205	Women in World History: GT-HI1	
HIS 215	Women in U.S. History: GT-HI1	
HIS 235	History of American West: GT-HI1	
HIS 249	History of Islamic Civilization: GT-HI1	
HIS 255	The Middle Ages: GT-HI1	
HIS 259	Modern Middle East: GT-HI1	
Choose One Elective		4
POS 105	Intro to Political Science: GT-SS1	
POS 111	American Government: GT-SS1	
POS 205	International Relations: GT-SS1	
WST 240	Goddesses and Women in Ancient World: GT-SS3	
COM 220	Intercultural Communication: GT-SS3	
GEO 105	World Regional Geography: GT-SS2	
	Subtotal	13
	Total Credits	60

[1] Building Block course

[2] Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

[3] One gtPathways mathematics course (GT-MA1), but not MAT 155 or 156

[4] Students planning to transfer to the University of Colorado - Boulder must take either HIS 101 or HIS 102 to fulfill this requirement.

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

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.

Journalism

Associate of Arts

Center for Arts & Humanities
CCD.edu/Journalism

Journalism Transfer
Stories will always be told — how we tell those stories is changing, however. There has never been a more exciting time to be in journalism. Blogs, Twitter, Facebook, and smartphones—all are feeding an ever-growing demand for news. CCD's journalism department offers many opportunities if you are interested in multi-media journalism.

In this program, you'll learn to interview, write, report, edit, and produce news stories for a variety of media—newspapers and magazines, television, radio, and the Internet. You can specialize in one area or work across all media. A good journalist not only has technical and professional skills, but also intellectual curiosity about the world. Journalism students are prepared for careers as writers, reporters, editors, and producers for newspapers, magazines, radio, television, and online newsrooms and other new multimedia outlets. Our program is designed to train you to analyze and explain the complex events of our times as well as raise journalistic standards in all media.

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

This guaranteed course transfer agreement only applies to Metropolitan State University of Denver.

Course	Title	Credits
First Semester		
COM 115	Public Speaking	3
ENG 121	English Composition I: GT-CO1	3
MAT 120	Math for Liberal Arts: GT-MA1	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
ART 112	Art History Renaissance to Modern: GT-AH1	
COM 130	Communication and Popular Culture: GT-AH1	
ENG 221	Creative Writing I GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
JOU 105	Introduction to Mass Media: GT-SS3	3
	Subtotal	16
Second Semester		
COM 125	Interpersonal Communication	3
ENG 122	English Composition II: GT-CO2	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
Choose One Natural & Physical Sciences Course		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
SCI 156	Integrated Science II with Lab: GT-SC1	
Choose One Elective Course		3
JOU 106	Media News and Reporting	
JOU 225	New Media	
	Subtotal	16
Third Semester		
COM 220	Intercultural Communication: GT-SS3	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
HUM 103	Introduction to Film Art: GT-AH2	
HUM 115	World Mythology: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
PHI 112	Ethics: GT-AH3	
PHI 114	Comparative Religions: GT-AH3	
Choose One History Course (GT-HI1)		3
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 249	History of Islamic Civilization: GT-HI1	
HIS 250	African American History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		3
AST 155	Astronomy of Ancient Cultures: GT-SC2	
BIO 103	Principles of Animal Biology: GT-SC2	
BIO 116	Introduction to Human Disease: GT-SC2	
GEY 108	Geology of National Parks GT-SC2	
Choose One Elective Course		3
JOU 106	Media News and Reporting	
JOU 225	New Media	
	Subtotal	15
Fourth Semester		
COM 217	Group Communication	3
JOU 231	Introduction to Public Relations	4
Choose One Communication Course		3
COM 105	Career Communication	
COM 126	Communication in Healthcare	
COM 215	Gender Communication	
COM 216	Advanced Public Speaking	
COM 225	Organizational Communication	
COM 280	Internship	
Choose One History or Social & Behavioral Sciences Course (GT-HI1,GT-SS1~GT-SS3)		3
HIS 122	U.S. History Since the Civil War: GT-HI1	
HIS 225	Colorado History: GT-HI1	
HIS 235	History of American West: GT-HI1	
HIS 236	US History Since 1945: GT-HI1	
HIS 260	US Foreign Relations History: GT-HI1	
POS 111	American Government: GT-SS1	
	Subtotal	13
	Total Credits	60

Music

Associate of Arts Degree

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Music

Music Designation
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 121	English Composition I: GT-CO1 [1]	3
MAT 120	Math for Liberal Arts: GT-MA1 [2]	4
MUS 110	Music Theory I	3
MUS 112	Ear Training/Sight-singing I Lab	1
MUS 131	Music Class I	2
MUS 141	Private Instruction I: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)	1
MUS 151	Ensemble I	1
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2 [1]	3
MUS 111	Music Theory II	3
MUS 113	Ear Training/Sight-singing II Lab	1
MUS 132	Music Class II	2
MUS 142	Private Instruction II: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)	1
MUS 152	Ensemble II	1
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
	Subtotal	15
Third Semester		
MUS 121	Music History Medieval thru Classical Period: GT-AH1	3
MUS 210	Music Theory III	3
MUS 212	Advanced Ear Training/Sight-singing I Lab	1
MUS 241	Private Instruction III: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)	1
MUS 251	Ensemble I	1
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
POS 105	Intro to Political Science: GT-SS1	
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
GEO 106	Human Geography: GT-SS2	
Choose One Natural & Physical Sciences Course (GT-SC1)		3
GEY 108	Geology of National Parks GT-SC2	
AST 155	Astronomy of Ancient Cultures: GT-SC2	
BIO 103	Principles of Animal Biology: GT-SC2	
BIO 116	Introduction to Human Disease: GT-SC2	
	Subtotal	15
Fourth Semester		
MUS 122	Music History Romantic Period to Present: GT-AH1	3
MUS 211	Music Theory IV	3
MUS 213	Advanced Ear Training/Sight-singing II Lab	1
MUS 242	Private Instruction IV: (Cello, Composition, Conducting, Guitar/Bass, Piano, Songwriting, Viola, Violin, Voice, Woodwinds)	1
MUS 252	Ensemble II	1
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 225	Anthropology of Religion: GT-SS3	
COM 220	Intercultural Communication: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
PSY 102	General Psychology II: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
Choose One History Course (GT-HI1)		3
HIS 236	US History Since 1945: GT-HI1	
HIS 205	Women in World History: GT-HI1	
HIS 225	Colorado History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 250	African American History: GT-HI1	
	Subtotal	15
	Total Credits	60

1. Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.
2. Any guaranteed GT-MA1 course; MAT 120 is recommended.
3. CSU-Ft. Collins requires that one of these courses be PSY 101 – General Psychology 1

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.

Philosophy

Associate of Arts Degree

Center for Arts & Humanities
CCD.edu/Philosophy

Philosophy Designation
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 121	English Composition I: GT-CO1 [1,2]	3
MAT 120	Math for Liberal Arts: GT-MA1 [1,3]	4
PHI 111	Intro to Philosophy: GT-AH3	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
HUM 123	Humanities: Modern World: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
ART 112	Art History Renaissance to Modern: GT-AH1	
HUM 115	World Mythology: GT-AH2	
Choose One Elective		3
ENG 221	Creative Writing I GT-AH1	
SPA 111	Spanish Language I [4]	
COM 115	Public Speaking	
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
CIS 118	Introduction to PC Applications	
	Subtotal	16
Second Semester		
ENG 122	English Composition II: GT-CO2 [2]	3
PHI 112	Ethics: GT-AH3	3
Choose One History Course (GT-HI1)		3
HIS 205	Women in World History: GT-HI1	
HIS 249	History of Islamic Civilization: GT-HI1	
HIS 250	African American History: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 203	Civil War Era in American History: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
PHY 105	Conceptual Physics with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
JOU 105	Introduction to Mass Media: GT-SS3	
PSY 102	General Psychology II: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
	Subtotal	16
Third Semester		
PHI 113	Logic: GT-AH3	3
Choose One Philosophy Course		3
PHI 218	Environmental Ethics: GT-AH3	
PHI 115	World Religions-West: GT-AH3	
PHI 116	World Religions-East: GT-AH3	
PHI 205	Business Ethics: GT-AH3	
PHI 114	Comparative Religions: GT-AH3	
PHI 220	Philosophy of Death and Dying: GT-AH3	
Choose One Philosophy Course		3
PHI 218	Environmental Ethics: GT-AH3	
PHI 115	World Religions-West: GT-AH3	
PHI 116	World Religions-East: GT-AH3	
PHI 205	Business Ethics: GT-AH3	
PHI 114	Comparative Religions: GT-AH3	
PHI 220	Philosophy of Death and Dying: GT-AH3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 111	Art History Ancient to Medieval: GT-AH1	
LIT 225	Introduction to Shakespeare: GT-AH2	
LIT 246	Literature of Women: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
HUM 103	Introduction to Film Art: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
Choose One Natural & Physical Sciences Course (GT-SC1)		3
AST 155	Astronomy of Ancient Cultures: GT-SC2	
GEY 108	Geology of National Parks GT-SC2	
BIO 103	Principles of Animal Biology: GT-SC2	
ENV 101	Environmental Science with Lab: GT-SC1	
BIO 116	Introduction to Human Disease: GT-SC2	
	Subtotal	15
Fourth Semester		
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
JOU 105	Introduction to Mass Media: GT-SS3	
PSY 102	General Psychology II: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
Choose One Elective		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
SPA 111	Spanish Language I [4]	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
WST 200	Introduction to Women`s Studies: GT-SS3	
HUM 121	Humanities: Early Civilization: GT-AH2	
COM 220	Intercultural Communication: GT-SS3	
Choose One Elective		3
ENG 221	Creative Writing I GT-AH1	
SPA 112	Spanish Language II [4]	
ENG 227	Poetry Writing	
ART 112	Art History Renaissance to Modern: GT-AH1	
ART 111	Art History Ancient to Medieval: GT-AH1	
JOU 106	Media News and Reporting	
Choose One Elective		3
HUM 115	World Mythology: GT-AH2	
HUM 103	Introduction to Film Art: GT-AH2	
PHI 220	Philosophy of Death and Dying: GT-AH3	
THE 105	Theatre Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
ANT 101	Cultural Anthropology: GT-SS3	
Choose One Elective		1
HUM 115	World Mythology: GT-AH2	
HUM 103	Introduction to Film Art: GT-AH2	
HIS 249	History of Islamic Civilization: GT-HI1	
THE 105	Theatre Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
LIT 246	Literature of Women: GT-AH2	
	Subtotal	13
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 One Guaranteed Transfer Math (GT-MA1) course; MAT 120 is recommended

4 This course is 5 credit hours.

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.

Spanish

Associate of Arts Degree

Center for Arts & Humanities
CCD.edu/World-Languages

Spanish Designation

The Associate of Arts (A.A.) degree in Spanish prepares you to complete a Bachelor of Arts (B.A.) in Spanish at a four-year university. In an increasingly global economy, speaking another language and understanding the culture of those communities is a vital skill. Spanish is the second most commonly spoken language in the United States and one of the most commonly spoken languages in the world. Courses in Spanish are taught as immersion and focus on high levels of interaction from day one in order to give you the greatest opportunity to learn and use the language.

With an A.A. degree in Spanish, you will reach a level that allows you to interact with cultural competence in academic and career-related situations, or for your own personal enjoyment, all in the Spanish language. This program introduces you to the study of Spanish and includes courses that are common to all four-year institutions in Colorado. Career paths for Spanish language degree holders include professions in medicine, dentistry, law, education, business, media, technology and public service. Careers typically require a bachelor's degree.

COURSE MAP

Course	Title	Credits
First Semester		
COM 220	Intercultural Communication: GT-SS3	3
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 120	Math for Liberal Arts: GT-MA1 [1,3]	4
SPA 111	Spanish Language I [4]	5
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2 [2]	3
SPA 112	Spanish Language II [4]	5
HIS 244	History of Latin America: GT-HI1	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
SCI 156	Integrated Science II with Lab: GT-SC1	
	Subtotal	15
Third Semester		
SPA 211	Spanish Language III: GT-AH4 [5]	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
JOU 105	Introduction to Mass Media: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
GEO 105	World Regional Geography: GT-SS2	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
POS 205	International Relations: GT-SS1	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		4
ENV 101	Environmental Science with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
SCI 156	Integrated Science II with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
FRE 211	French Language III: GT-AH4	
FRE 212	French Language IV: GT-AH4	
LIT 205	Ethnic Literature: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
MUS 123	Survey of World Music: GT-AH1	
ART 207	Art History 1900 to Present: GT-AH1	
Choose One Elective		3
ART 112	Art History Renaissance to Modern: GT-AH1	
FRE 211	French Language III: GT-AH4	
FRE 212	French Language IV: GT-AH4	
HIS 260	US Foreign Relations History: GT-HI1	
COM 125	Interpersonal Communication	
HUM 115	World Mythology: GT-AH2	
	Subtotal	16
Fourth Semester		
SPA 212	Spanish Language IV: GT-AH4 [5]	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
POS 225	Comparative Government: GT-SS1	
POS 111	American Government: GT-SS1	
GEO 106	Human Geography: GT-SS2	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
Choose One Elective [6]		3
FRE 211	French Language III: GT-AH4	
HIS 225	Colorado History: GT-HI1	
HUM 123	Humanities: Modern World: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
CHI 211	Chinese Language III	
COM 125	Interpersonal Communication	
Choose One Elective [6]		5
FRE 111	French Language I	
FRE 112	French Language II	
ASL 121	American Sign Language I	
CHI 112	Chinese Language II	
ASL 122	American Sign Language II	
CHI 111	Chinese Language I	
	Subtotal	14
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Guaranteed Transfer Math Course (GT-MA1): MAT 120 is recommended.

4 SPA 111 and/or 112 may be waived, based on a student's proficiency level. Students should consult a departmental advisor at the four-year college or university.

5 Those students who have a higher proficiency level than is required for SPA 211 or 212 should substitute other Arts & Humanities courses. Heritage speakers may want to substitute SPA 261 (Grammar-Heritage Lang Speaker) and SPA 262 (Comp-Heritage Lang Speaker), if available.

6 Suggested courses: 200-level Spanish courses; courses outside the Spanish department with content related to the Spanish-speaking world.

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

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Theatre

Theatre Designation

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		
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 120	Math for Liberal Arts: GT-MA1 [1,3]	4
Choose One Theatre Course		3
THE 105	Theatre Appreciation: GT-AH1 [1,4]	
THE 211	Development of Theatre Greek to Renaissance: GT-AH1	
Choose One Theatre Course		3
THE 151	Stagecraft I	
THE 213	Intermediate Acting I	
THE 216	Theatre Lighting and Design	
THE 221	Set Design for Film & Theatre	
THE 226	Theatre: Sound Operation and Design I	
THE 241	Stage Properties	
Choose One History Course (GT-HI1)		3
HIS 236	US History Since 1945: GT-HI1	
HIS 205	Women in World History: GT-HI1	
HIS 225	Colorado History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 250	African American History: GT-HI1	
	Subtotal	16
Second Semester		
THE 108	Theatre Script Analysis: GT-AH1	3
THE 111	Acting I	3
THE 212	Development of Theatre Restoration to Modern: GT-AH1	3
ENG 122	English Composition II: GT-CO2 [2]	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
	Subtotal	16
Third Semester		
THE 116	Technical Theatre	3
Choose One Theatre Production Class		3
THE 131	Theatre Production I	
THE 132	Theatre Production II	
THE 231	Theatre Production III	
THE 232	Theatre Production IV	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
POS 111	American Government: GT-SS1	
PSY 102	General Psychology II: GT-SS3	
ANT 225	Anthropology of Religion: GT-SS3	
COM 220	Intercultural Communication: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
Choose One Natural and Physical Sciences Course (GT-SC1~GT-SC2)		3
GEY 108	Geology of National Parks GT-SC2	
AST 155	Astronomy of Ancient Cultures: GT-SC2	
BIO 103	Principles of Animal Biology: GT-SC2	
BIO 116	Introduction to Human Disease: GT-SC2	
Choose One Elective		3
THE 129	Introduction to the Entertainment Industry [6]	
THE 240	Theater Voice and Diction [6]	
THE 150	Comedy [6]	
ART 111	Art History Ancient to Medieval: GT-AH1	
HUM 103	Introduction to Film Art: GT-AH2	
ENG 221	Creative Writing I GT-AH1	
	Subtotal	15
Fourth Semester		
THE 215	Playwriting: GT-AH1	3
MUS 151	Ensemble I	1
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
POS 105	Intro to Political Science: GT-SS1	
PSY 102	General Psychology II: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
GEO 106	Human Geography: GT-SS2	
Choose One Theatre Production Elective [5]		3
THE 131	Theatre Production I [6]	
THE 132	Theatre Production II [6]	
THE 231	Theatre Production III [6]	
Choose One Elective		3
COM 115	Public Speaking [5]	
HUM 115	World Mythology: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
PHI 111	Intro to Philosophy: GT-AH3	
	Subtotal	13
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 MAT 120 is recommended or any guaranteed GT-MAT course

4 Students planning to attend University of Colorado Boulder in Theatre should consult UCB Theatre advisors regarding THE 105 – Theatre Appreciation.

5 Students interested in attending MSU Denver or CSU-Fort Collins are advised to take COM 115 – Public Speaking.

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

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

Center for Performing Arts, Behavioral & Social Sciences
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 and complete a Bachelor of Arts degree in Theatre or 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 121	English Composition I: GT-CO1	3
MAT 120	Math for Liberal Arts: GT-MA1	4
THE 105	Theatre Appreciation: GT-AH1	3
THE 116	Technical Theatre	3
THE 131	Theatre Production I	3
	Subtotal	16
Second Semester		
THE 108	Theatre Script Analysis: GT-AH1	3
THE 132	Theatre Production II	3
THE 129	Introduction to the Entertainment Industry	3
THE 200	Paint/Draw/Rende/Model Techs	3
Choose One Elective Course:		3
BIO 103	Principles of Animal Biology: GT-SC2	
BIO 116	Introduction to Human Disease: GT-SC2	
GEO 106	Human Geography: GT-SS2	
POS 105	Intro to Political Science: GT-SS1	
PSY 102	General Psychology II: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
	Subtotal	15
Third Semester		
THE 211	Development of Theatre Greek to Renaissance: GT-AH1	3
THE 231	Theatre Production III	3
THE 250	Practical Theatre Technologies	3
Choose One Theatre Courses		3
THE 104	Basic Costume/Apparel Construction	
THE 216	Theatre Lighting and Design	
THE 221	Set Design for Film & Theatre	
THE 226	Theatre: Sound Operation and Design I	
THE 241	Stage Properties	
THE 152	Production Stage Management I	
Choose One Theatre Course		3
THE 104	Basic Costume/Apparel Construction	
THE 216	Theatre Lighting and Design	
THE 221	Set Design for Film & Theatre	
THE 226	Theatre: Sound Operation and Design I	
THE 241	Stage Properties	
THE 152	Production Stage Management I	
	Subtotal	15
Fourth Semester		
THE 212	Development of Theatre Restoration to Modern: GT-AH1	3
Choose from the following Theatre courses to reach 11 credits:		11
THE 104	Basic Costume/Apparel Construction	
THE 284	Internship: Theatre	
THE 216	Theatre Lighting and Design	
THE 221	Set Design for Film & Theatre	
THE 226	Theatre: Sound Operation and Design I	
THE 241	Stage Properties	
THE 152	Production Stage Management I	
	Subtotal	14
	Total Credits	60

Certificates

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Theatre

Entertainment Industry Writing

Writing for Stage & Screen

This course of study is designed to train you for entry-level positions as writers for stage and screen. Related professions include playwright, screenwriter and editor. You should consult with the Director of Theatre Arts early in your college career to explore how this certificate might fit into your overall Associate of Arts degree plan. You must earn a C or higher in all theatre courses to graduate.

Course	Title	Credits
First Semester		
ENG 121	English Composition I: GT-CO1	3
THE 105	Theatre Appreciation: GT-AH1	3
	Subtotal	6
Second Semester		
THE 108	Theatre Script Analysis: GT-AH1	3
THE 129	Introduction to the Entertainment Industry	3
Choose One Course:		3
THE 215	Playwriting: GT-AH1	
ENG 221	Creative Writing I GT-AH1	
	Subtotal	9
Third Semester		
Choose One Course:		3
THE 215	Playwriting: GT-AH1	
ENG 221	Creative Writing I GT-AH1	
	Subtotal	3
	Total Credits	18

Performance

Designed for entry-level acting positions in stage, television, radio, video, film, as well as ensemble, tour actor, voice over artist, or customer service specialist. You should consult with the Director of Theatre Arts early in your college career to explore how this entry-level certificate can be scaffolded into an Associate of Arts degree or combined with other certificates. You must earn a C or higher in a theatre courses to graduate.

Course	Title	Credits
First Semester		
THE 105	Theatre Appreciation: GT-AH1	3
THE 111	Acting I	3
THE 112	Acting II	3
THE 131	Theatre Production I	3
THE 132	Theatre Production II	3
THE 141	Improvisation I	3
THE 213	Intermediate Acting I	3
	Subtotal	21
	Total Credits	21

Theatrical Design and Management

The Theatrical Design and Management Certificate is 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 degree 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		
THE 105	Theatre Appreciation: GT-AH1	3
THE 116	Technical Theatre	3
THE 131	Theatre Production I	3
	Subtotal	9

Second Semester

THE 108	Theatre Script Analysis: GT-AH1	3
THE 132	Theatre Production II	3
THE 200	Paint/Draw/Rende/Model Techs	3
	Subtotal	9

Third Semester

Choose One Theatre Course		3
THE 104	Basic Costume/Apparel Construction	
THE 216	Theatre Lighting and Design	
THE 221	Set Design for Film & Theatre	
THE 226	Theatre: Sound Operation and Design I	
THE 241	Stage Properties	
THE 152	Production Stage Management I	
Choose One Theatre Course		3
THE 104	Basic Costume/Apparel Construction	
THE 216	Theatre Lighting and Design	
THE 221	Set Design for Film & Theatre	
THE 226	Theatre: Sound Operation and Design I	
THE 241	Stage Properties	
THE 152	Production Stage Management I	
	Subtotal	6
	Total Credits	24

BUSINESS & PUBLIC ADMINISTRATION

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, economics, 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 Designation	Associate of Arts[1]
Management	Associate of Applied Science
Marketing	Associate of Applied Science
Customer Service	Certificate
Entrepreneurship	Certificate
Retail Management	Certificate
ECONOMICS PROGRAM	
Economics Designation	Associate of Arts[1]

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.

Accounting

Associate of Applied Science Degrees

Center for Career & Technical Education
CCD.edu/Accounting

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

- Accounting
- Accounting – Transfer Degree

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		
ACC 121	Accounting Principles I	4
BUS 115	Introduction to Business	3
CIS 118	Introduction to PC Applications	3
ENG 121	English Composition I: GT-CO1 [1]	3
MAT 107	Career Math [1]	3
	Subtotal	16
Second Semester		
ACC 122	Accounting Principles II	4
ACC 125	Computerized Accounting ((Offered in Spring only))	3
COM 115	Public Speaking	3
ECO 201	Principles of Macroeconomics: GT-SS1	3
Choose One Elective		3
ACC 131	Income Tax	
ACC 280	Internship	
BUS 226	Business Statistics	
CIS 155	PC Spreadsheet Concepts: Excel	
ECO 202	Principles of Microeconomics: GT-SS1	
MAR 160	Customer Service	
	Subtotal	16
Third Semester		
ACC 132	Tax Help Colorado ((Offered in Fall only))	2
ACC 135	Spreadsheet Applications for Accounting ((Offered in Fall only))	3
CIS 240	Database Design and Development	3
Choose One Elective		3
ACC 216	Governmental and Not-for-Profit Accounting	
ACC 226	Cost Accounting	
Choose One Elective		3
ACC 131	Income Tax	
BUS 226	Business Statistics	
CIS 155	PC Spreadsheet Concepts: Excel	
ECO 202	Principles of Microeconomics: GT-SS1	
MAR 160	Customer Service	
PAR 211	Legal Research	
	Subtotal	14
Fourth Semester		
ACC 115	Payroll Accounting	3
ACC 133	Tax Help Colorado Practicum ((Offered in Spring only))	1
BTE 108	Ten-Key by Touch	1
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
Choose One Elective		3
ENG 122	English Composition II: GT-CO2 (Elective)	
MAN 226	Principles of Management	
MAR 216	Principles of Marketing	
PAR 211	Legal Research	
ACC 280	Internship	
BUS 226	Business Statistics	
	Subtotal	14
	Total Credits	60

[1] Building Block Course

Transfer degree in Accounting

The Associate of Applied Science in accounting transfer agreement with Metropolitan State University of Denver is designed to prepare you for a seamless transfer into Metropolitan State University of Denver's Bachelor of Science in accounting. This unique agreement allows for easy transfer of all 61 course credits within the degree. 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. This guaranteed course transfer agreement only applies to Metropolitan State University of Denver's Bachelor of Science degree.

COURSE MAP

Course	Title	Credits
First Semester		
BUS 115	Introduction to Business [1]	3
BUS 217	Business Communication and Report Writing	3
CIS 118	Introduction to PC Applications [1]	3
COM 115	Public Speaking	3
ENG 121	English Composition I: GT-CO1 [1]	3
	Subtotal	15

Second Semester		
ACC 121	Accounting Principles I [1]	4
ECO 201	Principles of Macroeconomics: GT-SS1	3
ENG 122	English Composition II: GT-CO2	3
MAT 123	Finite Mathematics: GT-MA1 [1]	4
	Subtotal	14
Third Semester		
ACC 122	Accounting Principles II	4
ACC 132	Tax Help Colorado ((Offered in Fall only))	2
ACC 135	Spreadsheet Applications for Accounting ((Offered in Fall only))	3
BUS 216	Legal Environment of Business	3
MAR 160	Customer Service	3
	Subtotal	15
Fourth Semester		
ACC 115	Payroll Accounting	3
ACC 125	Computerized Accounting ((Offered in Spring only))	3
ACC 133	Tax Help Colorado Practicum ((Offered in Spring only))	1
MAT 125	Survey of Calculus: GT-MA1	4
ECO 202	Principles of Microeconomics: GT-SS1	3
Choose One Elective		3
HIS 205	Women in World History: GT-HI1	
HIS 225	Colorado History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 250	African American History: GT-HI1	
	Subtotal	17
	Total Credits	61

[1] Building Block course

Certificates

Center for Career & Technical Education
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 101	Fundamentals of Accounting [1]	3
ACC 132	Tax Help Colorado ((Offered in Fall only))	2
BTE 108	Ten-Key by Touch	1
ACC 135	Spreadsheet Applications for Accounting ((Offered in Fall only))	3
BUS 217	Business Communication and Report Writing	3
CIS 118	Introduction to PC Applications [1]	3
	Subtotal	15
Second Semester		
ACC 115	Payroll Accounting	3
ACC 125	Computerized Accounting ((Offered in Spring only))	3
ACC 133	Tax Help Colorado Practicum ((Offered in Spring only))	1
BUS 115	Introduction to Business	3
BUS 216	Legal Environment of Business	3
MAR 160	Customer Service	3
	Subtotal	16
	Total Credits	31

[1] Building Block Course

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 101	Fundamentals of Accounting [1]	3
ACC 132	Tax Help Colorado ((Offered in Fall only))	2
BTE 108	Ten-Key by Touch	1
ACC 131	Income Tax ((Offered in Fall only))	3
	Subtotal	9
Second Semester		
ACC 133	Tax Help Colorado Practicum ((Offered in Spring only))	1
CIS 118	Introduction to PC Applications [1]	3
Choose One Elective		3
ACC 125	Computerized Accounting ((Offered in Spring only))	
ACC 135	Spreadsheet Applications for Accounting	
	Subtotal	7
	Total Credits	16

[1] Building Block Course

Business Administration

Associate of Arts Degree

Center for Career & Technical Education
CCD.edu/Business-Admin

Business Designation

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 115	Introduction to Business [1]	3
COM 115	Public Speaking	3
ENG 121	English Composition I: GT-CO1 [1,2]	3
Choose One Math Course		4
MAT 123	Finite Mathematics: GT-MA1	
MAT 121	College Algebra: GT-MA1	
	Subtotal	13

Second Semester		
ACC 121	Accounting Principles I [1]	4
ECO 201	Principles of Macroeconomics: GT-SS1	3
ENG 122	English Composition II: GT-CO2 [2]	3
MAT 125	Survey of Calculus: GT-MA1	4
	Subtotal	14
Third Semester		
ACC 122	Accounting Principles II	4
BUS 217	Business Communication and Report Writing	3
ECO 202	Principles of Microeconomics: GT-SS1	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 115	Introduction to Literature I: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 113	Logic: GT-AH3	
SPA 211	Spanish Language III: GT-AH4	
SPA 212	Spanish Language IV: GT-AH4	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		4
BIO 105	Science of Biology with Lab: GT-SC1	
AST 101	Astronomy I with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
	Subtotal	17
Fourth Semester		
BUS 216	Legal Environment of Business	3
BUS 226	Business Statistics	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
SPA 212	Spanish Language IV: GT-AH4	
LIT 115	Introduction to Literature I: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 113	Logic: GT-AH3	
SPA 211	Spanish Language III: GT-AH4	
Choose One History Course (GT-HI1)		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 205	Women in World History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		4
BIO 105	Science of Biology with Lab: GT-SC1	
AST 101	Astronomy I with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
	Subtotal	16
	Total Credits	60

[1] Building Block Course

[2] Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

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

Center for Career & Technical Education
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 115	Introduction to Business [1]	3
CIS 118	Introduction to PC Applications	3
ENG 121	English Composition I: GT-CO1 [1]	3
MAT 123	Finite Mathematics: GT-MA1 [1]	4
	Subtotal	13
Second Semester		
ACC 121	Accounting Principles I [1]	4
BUS 217	Business Communication and Report Writing	3
COM 115	Public Speaking	3
MAN 116	Principles of Supervision	3
	Subtotal	13
Third Semester		
ACC 122	Accounting Principles II	4
ECO 201	Principles of Macroeconomics: GT-SS1	3
MAN 216	Small Business Management	3
MAR 216	Principles of Marketing	3
	Subtotal	13
Fourth Semester		
BUS 216	Legal Environment of Business	3
MAN 200	Human Resources Management I	3
MAN 241	Project Management in Organizations	3
MAR 160	Customer Service	3
	Subtotal	12
Fifth Semester		
BUS 226	Business Statistics	3
BUS 287	Cooperative Education	3
MAN 226	Principles of Management	3
	Subtotal	9
	Total Credits	60

[1] Building Block course

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 115	Introduction to Business	3
COM 115	Public Speaking	3
ENG 121	English Composition I: GT-CO1	3
Choose One Math Course		4
MAT 123	Finite Mathematics: GT-MA1	
MAT 121	College Algebra: GT-MA1	
	Subtotal	13
Second Semester		
ACC 121	Accounting Principles I	4
CIS 118	Introduction to PC Applications	3
ENG 122	English Composition II: GT-CO2	3
MAR 111	Principles of Sales	3
	Subtotal	13
Third Semester		
ACC 122	Accounting Principles II	4
BUS 217	Business Communication and Report Writing	3
ECO 201	Principles of Macroeconomics: GT-SS1	3
PSY 101	General Psychology I: GT-SS3	3
	Subtotal	13
Fourth Semester		
ECO 202	Principles of Microeconomics: GT-SS1	3
MAR 160	Customer Service	3
MAR 216	Principles of Marketing	3
MAT 125	Survey of Calculus: GT-MA1	4
	Subtotal	13
Fifth Semester		
BUS 216	Legal Environment of Business	3
BUS 287	Cooperative Education	3
MAN 200	Human Resources Management I	3
	Subtotal	9
	Total Credits	61

[1] Building Block Course

Certificates

Center for Career & Technical Education
CCD.edu/Business-Admin

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

- Customer Service
- Entrepreneurship
- Retail 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 115	Introduction to Business	3
MAR 160	Customer Service	3
MAR 216	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		
ACC 101	Fundamentals of Accounting	3
BUS 115	Introduction to Business	3
MAR 111	Principles of Sales	3
	Subtotal	9
Second Semester		
MAN 160	Entrepreneurship	3
MAR 160	Customer Service	3
MAR 216	Principles of Marketing	3
	Subtotal	9
	Total Credits	18

Retail Management

This certificate is for industry professionals, suggested by the Western Association of Food Chains (WAFC). It emphasizes the skills needed in grocery industry management. The skills presented in this certificate are beneficial to an entry-level employee preparing for advancement in a retail organization. This certificate requires you to complete the Introduction to Business (BUS 115) course as a prerequisite course, or you may see your academic advisor to arrange program chair approval.

COURSE MAP

Course	Title	Credits
First Semester		
CIS 118	Introduction to PC Applications	3
MAN 128	Human Relations in Organizations	3
MAN 225	Managerial Finance	3
MAR 117	Principles of Retailing	3
	Subtotal	12
Second Semester		
BUS 217	Business Communication and Report Writing	3
MAN 200	Human Resources Management I	3
MAN 226	Principles of Management	3
MAR 216	Principles of Marketing	3
	Subtotal	12
	Total Credits	24

Economics

Associate of Arts Degree

Center for Career & Technical Education
CCD.edu/Economics

Economics Designation

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		
ECO 201	Principles of Macroeconomics: GT-SS1 [1]	3
ENG 121	English Composition I: GT-CO1 [1]	3
MAT 135	Intro to Statistics: GT-MA1	3
Choose One Arts & Humanities Course (GT-AH1~ GT-AH4)		3
LIT 115	Introduction to Literature I: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 113	Logic: GT-AH3	
SPA 211	Spanish Language III: GT-AH4	
SPA 212	Spanish Language IV: GT-AH4	
Choose One History Course (GT-HI1)		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 205	Women in World History: GT-HI1	
	Subtotal	15
Second Semester		
ECO 202	Principles of Microeconomics: GT-SS1	3
ENG 122	English Composition II: GT-CO2	3
MAT 201	Calculus I: GT-MA1	5
Choose One Natural & Physical Sciences Course (GT-SC1 or GT-SC2)		4
BIO 105	Science of Biology with Lab: GT-SC1	
AST 101	Astronomy I with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
	Subtotal	15
Third Semester		
BUS 115	Introduction to Business	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 115	Introduction to Literature I: GT-AH2	
LIT 202	World Literature After 1600: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 113	Logic: GT-AH3	
SPA 211	Spanish Language III: GT-AH4	
SPA 212	Spanish Language IV: GT-AH4	
Choose One Arts & Humanities Course (GT-AH1-GT-AH4)		3
LIT 202	World Literature After 1600: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 113	Logic: GT-AH3	
SPA 211	Spanish Language III: GT-AH4	
SPA 212	Spanish Language IV: GT-AH4	
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)		3
BIO 103	Principles of Animal Biology: GT-SC2	
BIO 116	Introduction to Human Disease: GT-SC2	
AST 155	Astronomy of Ancient Cultures: GT-SC2	
GEY 108	Geology of National Parks GT-SC2	
Choose One Elective		3
ACC 121	Accounting Principles I	
ACC 122	Accounting Principles II	
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
BUS 216	Legal Environment of Business	
	Subtotal	15
Fourth Semester		
BUS 226	Business Statistics	3
Choose One Elective		3
POS 105	Intro to Political Science: GT-SS1	
POS 111	American Government: GT-SS1	
CIS 118	Introduction to PC Applications	
POS 205	International Relations: GT-SS1	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
Choose One Elective		3
POS 105	Intro to Political Science: GT-SS1	
POS 111	American Government: GT-SS1	
CIS 118	Introduction to PC Applications	
POS 205	International Relations: GT-SS1	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
Choose One Elective		3
PSY 102	General Psychology II: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
ART 110	Art Appreciation: GT-AH1	
PHI 114	Comparative Religions: GT-AH3	
Choose One Elective		3
PSY 102	General Psychology II: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
ART 110	Art Appreciation: GT-AH1	
PHI 114	Comparative Religions: GT-AH3	
	Subtotal	15
	Total Credits	60

[1] Building Block 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.

EDUCATION & TEACHING

Help others as a teacher or early childhood instructor, where you will lay a foundation in a child's knowledge base, educate each student in all academic areas ranging from math and science to history, reading and writing. Go on to earn a bachelor's degree and teacher certification or work as a teacher assistant in schools or child care centers.

Program Name	Degree Type
EARLY CHILDHOOD EDUCATION PROGRAM	
Education Designation	Associate of Arts[1]
Early Childhood Education	Associate of Applied Science
Early Childhood Education Director	Certificate
Early Childhood Education Teacher, Level I	Certificate
Early Childhood Education Teacher, Level II	Certificate
ELEMENTARY EDUCATION PROGRAM	
Elementary Education Designation	Associate of Arts[1]

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.

Early Childhood Education

Associate of Arts Degree

Center for Career & Technical Education
CCD.edu/ECE

Early Childhood teacher Education Designation
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		
ECE 101	Introduction to Early Childhood Education	3
ECE 102	Introduction to Early Childhood Education Techniques	3
ENG 121	English Composition I: GT-CO1	3
MAT 120	Math for Liberal Arts: GT-MA1	4
Choose One Arts & Humanities Course (GT-AH1~Gt-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
	Subtotal	16
Second Semester		
ENG 122	English Composition II: GT-CO2	3
ECE 103	Guidance Strategies for Young Children	3
Choose One Literature Course (GT-AH1~Gt-AH4)		3
LIT 115	Introduction to Literature I: GT-AH2	
LIT 255	Children`s Literature	
Choose One Course Based on your Transfer Institution		3
ECE 111	Infant and Toddler Theory and Practice [1,4,6]	
PSY 235	Human Growth and Development: GT-SS3 [2,3]	
ECE 241	Administration: Human Relations for Early Childhood Education [5]	
	Subtotal	12
Third Semester		
ECE 220	ECE Curriculum Development: Methods and Techniques	3
ECE 238	ECE Child Growth and Development	3
GEO 105	World Regional Geography: GT-SS2	3
SCI 155	Integrated Science with Lab: GT-SC1	4
Choose One Course Based on your Transfer Institution		3
ECE 112	Introduction to Infant/Toddler Lab Techniques [1]	
ECE 205	Nutrition, Health and Safety [2,5]	
COM 115	Public Speaking [4]	
ECE 241	Administration: Human Relations for Early Childhood Education [1,3,6]	
	Subtotal	16
Fourth Semester		
ECE 256	Working with Parents, Families, and Community Systems	3
SCI 156	Integrated Science II with Lab: GT-SC1	4
PSY 101	General Psychology I: GT-SS3	3
Choose One History Course (GT-HI1)		3
HIS 121	U.S. History to Reconstruction: GT-HI1	
HIS 122	U.S. History Since the Civil War: GT-HI1	
Choose One Course Based on your Transfer Institution		3
MAT 135	Intro to Statistics: GT-MA1 [2]	
ECE 228	Language and Literacy [3]	
PSY 102	General Psychology II: GT-SS3 [4]	
ECE 240	Administration of Early Childhood Care and Education Programs [5,6]	
ECE 112	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

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

Center for Career & Technical Education
CCD.edu/ECE

Early Childhood Education
This program meets the academic needs of personnel involved in the care and education of young children (birth through 8 years) and all Colorado Department of Human Services licensing academic requirements. A grade of C or better is required in all degree courses. Upon completing the degree requirements, you will have met the requirements for the early childhood teacher, level I and level II - certificates and the early childhood education director certificate.

In addition to the academic requirement, the Colorado Department of Human Services requires 24 months (3,640 hours) of work experience.

To ensure success in the program, early childhood education 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 101	Introduction to Early Childhood Education [1]	3
ECE 102	Introduction to Early Childhood Education Techniques	3
ECE 103	Guidance Strategies for Young Children [1]	3
ENG 121	English Composition I: GT-CO1 [1]	3
Choose One Mathematics Course		3
MAT 107	Career Math	
MAT 155	Integrated Math I	
	Subtotal	15
Second Semester		
COM 115	Public Speaking	3
ECE 205	Nutrition, Health and Safety	3
ECE 220	ECE Curriculum Development: Methods and Techniques	3
Choose One Elective		3
PSY 101	General Psychology I: GT-SS3	
PSY 102	General Psychology II: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
Choose One Early Childhood Education Course		3
ECE 111	Infant and Toddler Theory and Practice	
ECE 112	Introduction to Infant/Toddler Lab Techniques	
	Subtotal	15
Third Semester		
ECE 108	The Assessment Process in Early Childhood Education	1
ECE 188	Practicum: Early Childhood Education	3
ECE 236	Child Growth/Development Laboratory	1
ECE 238	ECE Child Growth and Development	3
Choose One Elective		3
MUS 120	Music Appreciation: GT-AH1	
ART 110	Art Appreciation: GT-AH1	
Choose One Early Childhood Education Course		3
ECE 226	Creativity and the Young Child	
ECE 228	Language and Literacy	
	Subtotal	14
Fourth Semester		
ECE 209	Observing and Utilizing Young Children's Assessment Instruments	1
ECE 240	Administration of Early Childhood Care and Education Programs	3
ECE 241	Administration: Human Relations for Early Childhood Education	3
ECE 256	Working with Parents, Families, and Community Systems	3
ECE 288	Practicum: Early Childhood Education	3
ECE 260	The Exceptional Child	3
	Subtotal	16
	Total Credits	60

[1] Building Block Course

Certificates

Center for Career & Technical Education
CCD.edu/ECE

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

- Early Childhood Education Director
- Early Childhood Teacher, Level I
- 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 101	Introduction to Early Childhood Education	3
ECE 102	Introduction to Early Childhood Education Techniques	3
ECE 103	Guidance Strategies for Young Children	3
ECE 111	Infant and Toddler Theory and Practice	3
	Subtotal	12
Second Semester		
ECE 205	Nutrition, Health and Safety	3
ECE 220	ECE Curriculum Development: Methods and Techniques	3
ECE 236	Child Growth/Development Laboratory	1
ECE 238	ECE Child Growth and Development	3
Choose One Elective		3
ECE 226	Creativity and the Young Child	
ECE 228	Language and Literacy	
	Subtotal	13
Third Semester		
ECE 240	Administration of Early Childhood Care and Education Programs	3
ECE 241	Administration: Human Relations for Early Childhood Education	3
ECE 256	Working with Parents, Families, and Community Systems	3
ECE 260	The Exceptional Child	3
	Subtotal	12
	Total Credits	37

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
ECE 101	Introduction to Early Childhood Education	3
ECE 103	Guidance Strategies for Young Children	3
Total Credits		6

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 childhood teacher, level II - ECE certificate credits apply toward the requirements of the A.A.S. degree in early childhood education. The early childhood teacher, level II - ECE 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

Code	Title	Credits
ECE 101	Introduction to Early Childhood Education	3
ECE 102	Introduction to Early Childhood Education Techniques	3
ECE 103	Guidance Strategies for Young Children	3
ECE 236	Child Growth/Development Laboratory	1
ECE 238	ECE Child Growth and Development	3
Choose One Early Childhood Education Course		3
ECE 220	ECE Curriculum Development: Methods and Techniques	
ECE 111	Infant and Toddler Theory and Practice	
Total Credits		16

Elementary Education

Associate of Arts Degree

Center for Career & Technical Education
CCD.edu/Elementary-Ed

Elementary Education Designation
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 121 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		
COM 115	Public Speaking	3
ENG 121	English Composition I: GT-CO1 [8]	3
GEO 105	World Regional Geography: GT-SS2	3
MAT 155	Integrated Math I	3
LIT 115	Introduction to Literature I: GT-AH2	3
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2	3
MAT 156	Integrated Math II	3
POS 111	American Government: GT-SS1	3
PSY 238	Child Development: GT-SS3	3
Choose One Course Based on your Transferring Institution		3
ECE 260	The Exceptional Child [1,4,7]	
EDU 233	English Language Learning (K-6) [2]	
EDU 261	Teaching, Learning and Technology [3,5,6]	
	Subtotal	15
Third Semester		
EDU 221	Introduction to Education	3
SCI 155	Integrated Science with Lab: GT-SC1	4
Choose One Course Based on your Transferring Institution		1
EDU 222	Effective Teaching [1]	
HIS 225	Colorado History: GT-HI1 [2,6,7]	
HIS 111	The World: Antiquity-1500: GT-HI1 [3,5]	
HWE 124	Fitness and Wellness [4]	
Choose One Course Based on your Transferring Institution		3
ART 110	Art Appreciation: GT-AH1 [2,3,4,6]	
ENG 221	Creative Writing I GT-AH1 [1,7]	
PHI 111	Intro to Philosophy: GT-AH3 [5]	
Choose One Course Based on your Transferring Institution		3
ETH 200	Introduction to Ethnic Studies: GT-SS3 [5]	
HWE 100	Human Nutrition [4]	
EDU 188	Practicum I [6]	
HIS 122	U.S. History Since the Civil War: GT-HI1 [1,7]	
MUS 120	Music Appreciation: GT-AH1 [2,3]	
	Subtotal	14
Fourth Semester		
SCI 156	Integrated Science II with Lab: GT-SC1	4
HIS 121	U.S. History to Reconstruction: GT-HI1	3
Choose One Course Based on your Transferring Institution		3
LIT 255	Children`s Literature [1,2,3,4,5,6]	
LIT 201	World Literature to 1600: GT-AH2 [7]	

Choose One Course Based on your Transferring Institution		3
PSY 235	Human Growth and Development: GT-SS3 [4]	
MAT 135	Intro to Statistics: GT-MA1 [1,3,7]	
LIT 205	Ethnic Literature: GT-AH2 [5,6]	
ENV 101	Environmental Science with Lab: GT-SC1 [2]	
Choose One Course Based on your Transferring Institution		3
SOC 101	Introduction to Sociology I: GT-SS3 [4]	
ECE 226	Creativity and the Young Child [1,5]	
BIO 105	Science of Biology with Lab: GT-SC1 [3,7]	
ANT 101	Cultural Anthropology: GT-SS3 [6]	
	Subtotal	16
	Total Credits	60

1 Adams State University
2 Colorado Mountain College
3 Colorado State University Pueblo
4 Metropolitan State University
5 University of Colorado Boulder
6 University of Northern Colorado
7 University of Colorado Denver, Individually Structured degree within the Elementary Education School
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.

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

Our highly respected faculty and staff deliver our students to certificates and degrees in several career areas like radiology, dental hygiene, surgical technology, nursing, medical assisting and veterinary technology. Those looking to make a serious difference in the lives of others will find programs in the health sciences as a leading point of entry for internships, careers and higher degrees.

PROGRAM NAME	DEGREE TYPE
DENTAL HYGIENE PROGRAM	
Dental Hygiene	Associate of Applied Science
Dental Hygiene	Bachelor of Applied Science
FOOD, NUTRITION & WELLNESS PROGRAM	
Nutrition	Associate of Applied Science
Food, Nutrition & Wellness	Certificate
Certified Dietary Manager	Certificate
MEDICAL ASSISTING PROGRAM	
Medical Assisting	Associate of Applied Science
Medical Assisting	Certificate
PHLEBOTOMY	
Phlebotomy	Certificate
NURSING PROGRAMS	
Integrated Nursing Pathway	Associate of General Studies
Nurse Aide	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
VETERINARY TECHNOLOGY PROGRAM	
Veterinary Technology	Associate of Applied Science
Veterinary Technology Assistant	Certificate

Dental Hygiene

Associate of Applied Science Degree

Center for Health Sciences at Lowry
CCD.edu/Dental

Dental Hygiene
The Associate of Applied Science (A.A.S.) in dental hygiene prepares you to practice as a professional dental hygienist following successful completion of 28 credit hours of pre-professional prerequisites and 65-credit hours of professional study. After successful completion of the program, you will be eligible to take the written national board dental hygiene exam 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.A.S. in dental hygiene.

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 applications are available July 1st and must be submitted online no later than December 1st 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, which consists of the following criteria:

- required dental hygiene prerequisites, which must consist of a minimum science GPA of a 3.0 (25 points) and a minimum general education GPA of a 2.5 (15 points),
- performance on the Health Occupational Aptitude Exam (15 points),
- letters of recommendation (5 points),
- hygienist observations (6 points),
- dental experience (4 points - In order to obtain 4 points, students must provide a copy of a dental assisting certificate or be employed more than 6 months at a dental office. Dental experience is not required.),
- interview with the application committee (25 points), and
- proof of Colorado residency (5 points).

Because of the competitive admissions process, all prerequisite courses must be taken for a letter grade. Once accepted into the program, all grading is conducted on a 7-point grade scale. A student cannot earn lower than a C in any Dental Hygiene course in order to progress to the next level or graduate.

All Dental Hygiene students should enter the program with basic computer skills to include, but not limited to, word processing, the creation of PowerPoint presentations, email, and use of D2L. You must have access to a computer as most of the faculty utilize email and D2L for communication.

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

Dental Hygiene Prerequisites

1. Dental hygiene science prerequisites must show a cumulative GPA of 3.0 and be current to within seven years of the date the program begins. (Grades for like course(s) taken within two years will be averaged.)
2. Dental hygiene education general prerequisites must show a cumulative GPA of 2.5. (Grades for like course(s) taken within two years will be averaged.)
3. Overall cumulative GPA (combination of general and science dental hygiene prerequisites) must not be lower than 2.8.
4. A college-level equivalent math course will be required: either MAT 120, MAT 121, MAT 135, or an Accuplacer score of 70+.

COURSE MAP
This program is currently under curriculum revision. Please contact the Program Chair for more information.

[1] The DEH 100 course is taken after acceptance into the program the summer prior to the first semester.
[2] ENG 122 can be substituted.
[3] PSY 102, PSY 226, PSY 235, or PSY 240 can be substituted if already completed prior to admission.
[4] BIO 208 can be substituted if already taken prior to admission.
[5] SOC 102, SOC 218, or ANT 101 can be substituted if already taken prior to admission.
[6] COM 125 or COM 126 can be substituted if already taken prior to admission.

Bachelor of Applied Science Degree

Center for Health Sciences
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. There is one application cycle per year. 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 WICHE Reciprocity Agreement.
- 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 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
Due to the nature of this program and the varying courses that students transfer, each course map is individualized. Please contact the Program Chair for more information.

TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 120 credits as per state regulation.
NOTE: A minimum of 24 credit hours must be taken at the 300/400 level from BAS dental hygiene courses. A minimum of 30 credit hours in residence at Community College of Denver is required to earn the Bachelor of Applied Science in dental hygiene.

Nutrition

Associate of Applied Science Degree

Center for Health Sciences at Lowry
CCD.edu/Nutrition

Nutrition
Nutrition is a fascinating and dynamic science with a powerful role to play in promoting and sustaining health and wellness. An Associate of Applied Science (A.A.S.) in nutrition prepares you to educate individuals, patients and your community on healthy behaviors, wellness and appropriate food choices.

In this two-year program, you'll be prepared for transfer or an entry-level nutrition-related position.

Earn your A.A.S. in nutrition! It will provide you with a wide range of career opportunities, including dietary aid, food co-ops, health clubs & spas, health food stores, wellness education and nutrition product sales. The job growth outlook in this field is estimated to increase by 15 percent over the next eight years.

CCD and Metropolitan State University of Denver (MSU Denver) have developed a pathway from an A.A.S. in nutrition to a Bachelor of Science in nutrition. The A.A.S. degree can be completed in two years at CCD with the remaining two years to complete the B.S. at MSU Denver. Required chemistry courses CHE 2100 & CHE 2150 (Intro to Organic and Bio-Chemistry with lab) along with NUT 1800 (Careers in Dietetics and Nutrition) will be taken at MSU Denver while still being a CCD student through an inter-institutional agreement. An additional 3 credit NUT elective can be taken at MSU Denver if you desire to get a head start on the B.S. degree while still being a CCD student.

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 and you will attend a transfer/admission event during their first year in the program.

PROGRAM HIGHLIGHTS

- You'll automatically earn CCD's certificate in food, nutrition and wellness at the end of your first year.
- CCD has an articulation agreement with MSU Denver where your A.A.S. will seamlessly transfer.
- Continue on to a four-year degree* and you'll be prepared for career opportunities such as a registered dietitian, food safety specialist, food scientist, nutritionist, nutrition product development, public health nutritionist and educator.

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

COURSE MAP

Course	Title	Credits
First Semester		
ENG 121	English Composition I: GT-CO1	3
MAT 135	Intro to Statistics: GT-MA1	3
HWE 100	Human Nutrition	3

HWE 124	Fitness and Wellness	2
COM 125	Interpersonal Communication	3
	Subtotal	14
Second Semester		
ENG 122	English Composition II: GT-CO2	3
BIO 111	General College Biology I with Lab: GT-SC1	5
HWE 143	Applied Nutrition to Whole Food Cooking	3
Choose One Chemistry Class		5
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
CHE 111	General College Chemistry I with Lab: GT-SC1	
	Subtotal	16
Third Semester		
PSY 101	General Psychology I: GT-SS3	3
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	4
NUT 3400 at MSU Denver [1]		3
Choose One History Course (GT-H1)		3
HIS 247	20th Century World History: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
Choose One Arts & Humanities Course (GT-AH1-4)		3
ART 110	Art Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
PHI 112	Ethics: GT-AH3	
	Subtotal	16
Fourth Semester		
BIO 202	Human Anatomy & Physiology II with Lab: GT-SC1	4
CHE 2100 MSU Denver [1]		4
CHE 2150 MSU Denver [1]		1
NUT 1800 MSU Denver [1]		1
Choose One Social & Behavioral Sciences Course (GT-SS 1-3)		3
ANT 250	Medical Anthropology: GT-SS3	
PSY 102	General Psychology II: GT-SS3	
PSY 235	Human Growth and Development: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
Choose One Arts & Humanities Course (GT-AH 1-4)		3
ART 110	Art Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
PHI 112	Ethics: GT-AH3	
	Subtotal	16
	Total Credits	62

[1] This course must be taken at MSU Denver. Please speak with your academic advisor or program chair for more information.

Certificate

Center for Health Sciences at Lowry
CCD.edu/Nutrition

Community College of Denver currently offers two certificates degrees in nutrition.

- Food, Nutrition & Wellness
- Certified Dietary Manager

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 100	Human Nutrition	3
HWE 124	Fitness and Wellness	2
HWE 143	Applied Nutrition to Whole Food Cooking	3
Total Credits		8

Certified Dietary Manager

Students who hold a two-year or four-year college degree in foodservice management, nutrition, culinary arts, or hotel-restaurant management are eligible to take only specific DIT or HWE course(s) that meet an exam eligibility requirements based on pathway options provided by the CBDM (Fast-Track pathway). You must meet with the program chair for course approval prior to registering for classes. Transcripts must be submitted to program chair prior to enrollment; transcript requirements must include a minimum of one course in nutrition and two courses in foodservice management to be eligible to take the CDM exam.

Code	Title	Credits
DIT 121	Nutrition for Dietary Managers	4
DIT 123	Management for Dietary Managers	4
Choose One Elective Course		3
HWE 100	Human Nutrition	
HWE 143	Applied Nutrition to Whole Food Cooking	
DIT 180	Field Experience: Nutrition	1
DIT 181	Field Experience: Human Resources Management	2
DIT 182	Field Experience: Sanitation and Management of Food Systems	2
Total Credits		16

Certified Dietary Manager (CDM) professionals are nationally recognized experts at managing food service operations. When you earn the credential, you prove your competence in the areas of food service management, personnel and communication, nutrition, sanitation and safety, and business operations.

CCD Offers Two Pathway Options for Certified Dietary Managers:

Pathway I

- No college degree is necessary to start this program
- No institutional food service experience
- Apply & enroll in our 16-credit CDM Certificate!

Pathway II

- Hold a related college degree in foodservice management, nutrition, culinary arts, or hotel-restaurant management

- Does not have the 3 required courses
- Fast-track your CDM credential!

Pathway 1 is a 16 credit stand-alone certificate which can be taken in 1 to 2 semesters.

The CDM certificate program offers the education and training to make students eligible to take the national certification exam offered by the Certifying Board for Dietary Managers (CBDM).

We offer flexible training options! Some students attend classes part-time while working in the industry; others may choose to attend a more intensive semester-long certificate program. Plus, we offer online courses to match your busy schedule.

ADMISSION REQUIREMENTS

- Demonstrate you are ready for college. Visit CCD.edu/CollegeReady to learn more.
- Submit a program application.
  - As part of your acceptance into the program, you must complete a background check and nine-panel drug screening.

Pathway II-Elective and Fast-Track Pathways

Students who graduate from CCD with the Associate in Applied Science (A.A.S.) in Nutrition, are eligible to take one additional course to meet the CDM exam eligibility requirements for Pathway II. Please contact the program director for more information.

DO MORE WITH YOUR FOOD SERVICE OR NUTRITION DEGREE
Do you already hold a related college degree in food service management, nutrition, culinary arts, or hotel management? CCD takes you to the next step in your career with fast track options!

Upon completion of the elective courses, you're eligible to take the national certification exam offered by the Certifying Board for Dietary Managers (CBDM).

HOW DO I QUALIFY?
- You meet pathway II eligibility if you have graduated from CCD with an A.A.S. in nutrition and take the required elective course.
- You may be eligible for a fast track option if you hold a two- or four-year degree in food service management, nutrition, culinary arts, or hotel-restaurant management and take 1 to 3 elective course(s) to fulfill the exam eligibility requirement for pathway II.

Integrated Nursing Pathway

Associate of General Studies Degree

Center for Health Sciences
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 101	Introduction to Chemistry I with Lab: GT-SC1	5
MAT 121	College Algebra: GT-MA1	4
ENG 121	English Composition I: GT-CO1	3
	Subtotal	12
Second Semester		
BIO 111	General College Biology I with Lab: GT-SC1	5
MAT 135	Intro to Statistics: GT-MA1	3
SOC 101	Introduction to Sociology I: GT-SS3	3
	Subtotal	11
Third Semester		
PSY 101	General Psychology I: GT-SS3	3
HWE 100	Human Nutrition	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
ART 111	Art History Ancient to Medieval: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
HUM 121	Humanities: Early Civilization: GT-AH2	
COM 220	Intercultural Communication: GT-SS3	
	Subtotal	9
Fourth Semester		
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	4
BIO 204	Microbiology with Lab: GT-SC1	4
ENG 122	English Composition II: GT-CO2	3
PHI 112	Ethics: GT-AH3	3
	Subtotal	14
Fifth Semester		
BIO 202	Human Anatomy & Physiology II with Lab: GT-SC1	4
ANT 250	Medical Anthropology: GT-SS3	3
PSY 235	Human Growth and Development: GT-SS3	3
HIS 121	U.S. History to Reconstruction: GT-HI1	3
NUR 213	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 65 credits for completion, only 60 of those credits are fully transferable to CU Denver.

Medical Assisting

Certificate Bridge to Associate of Applied Science Degree

Center for Health Sciences at Lowry
CCD.edu/Medical-Assistant

The Medical Assisting program is being redesigned and will be open for enrollment in fall 2020.
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.

The medical assistant certificate program at Community College of Denver has a site visit scheduled for pursuing initial accreditation by Commission on Accreditation of Allied Health Education Programs (www.caahep.org) (25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763 - 727.210.2350). This step in the process is neither a status of accreditation nor a guarantee that accreditation will be granted.

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

- Have basic computer skills to include, but not limited to, word processing, the creation of PowerPoint presentations, basic Excel skills, email, and use of D2L. If you need additional assistance with computer skills, you may take CIS 118 Introduction to PC Applications prior to matriculation into the program.
- Have access to a computer as CCD email and D2L are used for communication.
- Provide completion of a High School Diploma or GED.
- Complete the medical assisting program application, found at CCD.edu/Medical-Assistant.
- Obtain Basic Life Support (BLS) and Cardiopulmonary Resuscitation (CPR) certification through the American Heart Association (AHA). This certification must be valid throughout the program. If it will lapse at any point during the program, a renewal must be completed prior to matriculation.

COURSE MAP
If you did not take or did not meet the minimum math placement test, you must take the supplemental MAT 091 course, in addition to the required MAT 103 course. By taking this additional course, it will be an additional 1 credit to the course map below.

PreRequisites

Course	Title	Credits
First Year		
First Semester		
ENG 121	English Composition I: GT-CO1	3
HPR 178	Medical Terminology	2
	Subtotal	5
	Total Credits	5

Certificate

Course	Title	Credits
First Year		
Fall		
HPR 106	Law & Ethics for Health Prof	2
MOT 125	Basic Medical Sciences I	3
MAP 110	Medical Office Administration	4
MOT 130	Insurance Billing and Coding	3
HPR 108	Dietary Nutrition	1
	Subtotal	13
Spring		
MAP 120	Medical Office Financial Management	4
MOT 133	Basic Medical Sciences II	3
MAT 103	Math for Clinical Calculations	3
MOT 181	Administrative Assistant	1
	Subtotal	11
Summer		
MAP 140	Medical Assisting Clinical Skills	4
MOT 135	Basic Medical Sciences III	3
	Subtotal	7
Second Year		
Fall		
MAP 138	Medical Assisting Laboratory	4
MOT 182	Internship: Clinical	3
MAP 189	Review for Medical Assistant National Exam	1
PSY 235	Human Growth and Development: GT-SS3	3
	Subtotal	11
	Total Credits	42

TOTAL CREDIT HOURS COMPLETED FOR THE CERTIFICATE: 47 CREDIT HOURS

Bridge Courses to Complete an Associate of Applied Science

Course	Title	Credits
Third Year		
First Semester		
HPR 112	Phlebotomy	4
HPR 180	Internship	3
COM 220	Intercultural Communication: GT-SS3	3
PHI 114	Comparative Religions: GT-AH3	3
	Subtotal	13
	Total Credits	13

TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 60 CREDIT HOURS

Nurse Aide

See also: Integrated Nursing Pathway

Certificate

Center for Health Sciences at Lowry
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

- Prior to enrolling in the program, you must complete an online application for admission. The online application is available at CCD.edu/Apply. Incomplete packets will not be considered for admission.
- Upon enrolling in the college, you may complete the nurse aide program application at CCD.edu/Nurse-Aide.
- Obtain a TB skin test and Flu vaccine (during Flu season).
- Complete CCPT Test with minimum test scores of:
  - LADI score of 67, PADI score of 001 or equivalent to MAT 050 (ACTM 19 or SATM 460 will also meet this requirement)
  - READ score of 76, and WRES score of 2 or equivalent to CCR 092 (ACTE 18 or SATV 440 will also meet this requirement)
- Waivers may be obtained for all or part of the CCPT test if you have ACT or SAT scores or a prior degree. Please contact the Testing Center at the Auraria Campus at 303.352.6810.

Refer to CCD.edu/Nurse-Aide for additional documents to be completed, prior to acceptance into the nurse aide program.

COURSE MAP

Code	Title	Credits
NUA 101	Nurse Aide Health Care Skills	4
NUA 170	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

Center for Health Sciences at Lowry
CCD.edu/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 Laerdal's Virtual Phlebotomy simulation software and seven-weeks in a clinical placement. This certificate program is offered only in the evening at the Center for Health Sciences at Lowry.

This training prepares students for the ASCLS examination (American Society for Clinical Laboratory Science) to become a registered phlebotomist. Exam cost is additional and is not included in the tuition. 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 112) and Internship (HPR 180) must be successfully completed with a "C" or better to enable students to sit for a national certifying exam. HPR 112 is a lecture and lab course whereas HPR 180 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, email, and use of D2L. Students must have access to a computer as most faculty utilize email and D2L for communication. If you feel under-prepared in this area, please consider taking CIS 110 – Introduction to Computing Technology.
- Have access to a computer as CCD email and D2L are used for communication.
- Must be at least 18 years of age.
- Have immunizations to meet OSHA requirements.
- Complete a background check and a 10-panel drug screen prior to clinical placement (students are subject to random drug-screening throughout the program).

COURSE MAP

Code	Title	Credits
HPR 112	Phlebotomy	4
HPR 180	Internship	3
Total Credits		7

Radiologic Technology

Associate of Applied Science Degree

Center for Health Sciences 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).

Over the past five years, our graduates have had an 85 percent job placement within six months and maintained a 99 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 $22 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 201	Human Anatomy & Physiology with Lab I: GT-SC1	4
MAT 121	College Algebra: GT-MA1 [1]	3
ENG 121	English Composition I: GT-CO1	3
Choose One Elective		3
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
PSY 235	Human Growth and Development: GT-SS3	
	Subtotal	13
Second Semester		
RTE 101	Introduction to Radiography	2
BIO 202	Human Anatomy & Physiology II with Lab: GT-SC1	4
	Subtotal	6
	Total Credits	19

COURSE MAP

Course	Title	Credits
Freshman		
Fall		
RTE 111	Radiographic Patient Care	2
RTE 121	Radiologic Procedures I	3
RTE 141	Radiographic Equipment and Imaging I	3
RTE 181	Radiographic Internship I	5
	Subtotal	13
Spring		
RTE 122	Radiologic Procedures II	3
RTE 131	Radiographic Pathology and Image Evaluation I	1.5
RTE 142	Radiographic Equipment and Imaging II	3
RTE 182	Radiographic Internship II	5
	Subtotal	12.5
Summer		
RTE 183	Radiographic Internship III	7
	Subtotal	7

Sophomore		
Fall		
RTE 221	Advanced Medical Imaging	3
RTE 231	Radiation Biology/Protection	2
RTE 281	Radiographic Internship IV	8
	Subtotal	13
Spring		
RTE 132	Radiographic Pathology and Image Evaluation II	1.5
RTE 282	Radiographic Clinical Internship V	8
RTE 289	Radiographic Capstone	3
	Subtotal	12.5
	Total Credits	58

TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 77 CREDIT HOURS

[1] MAT 121 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 two post-primary certificates in radiologic technology.

- Computed Tomography
- Mammography
- Magnetic Resonance

Computed Tomography

Center for Health Sciences 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? Further 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 Technologies (ARRT).

Pick a schedule that is customized to your abilities and circumstances in either a 7- or 15-week term during the fall and spring semesters. The online course progresses at a flexible pace for an individualized learning experience. Once completed, you'll enroll in two clinical internships offered at area clinics and hospitals in the metro-Denver area. Your internships will prepare you to be job ready and are arranged by CCD's computed tomography program coordinator. The required two clinical internships are arranged into sequential two credit, five-week sections. To complete the program, you'll be evaluated by the supervising technologist and CCD's computed tomography program coordinator to ensure you demonstrate your clinical skills, obtain additional competencies (the ARRT requires a minimum of 125 competencies), and to attain autonomy in the clinical setting. Additional internships are available for you should you need additional time.

PROGRAM ADMISSION REQUIREMENTS

For admission requirements and application, visit CCD.edu/Computed-Tomography.

COURSE MAP

Code	Title	Credits
RTE 257	Computed Tomography Basics (I)	2
RTE 280	Internship (I)	2
RTE 280	Internship (II)	2
Total Credits		6

[1] Courses are offered online through Desire2Learn and can be taken separately.

Mammography

Center for Health Sciences 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
- an introduction to breast tomosynthesis imaging.

After you complete the didactic course, your two required clinical internships 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 250	Mammography	3
RTE 291	Mammography Internship (I)	2
RTE 291	Mammography Internship (II)	2
Total Credits		7

Magnetic Resonance

Center for Health Sciences at Lowry

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 day and evening 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 10 week internship 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 260	Magnetic Resonance Imaging	3
	Subtotal	3
Second Semester		
RTE 284	Advanced Clinical (Specialty) (Advanced Cinical: MR I)	2
RTE 284	Advanced Clinical (Specialty) (Advanced Cinical: MR II)	2
	Subtotal	4
	Total Credits	7

Surgical Technology

Associate of Applied Science Degree

Center for Health Sciences 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
In addition to the prerequisites listed below, you must have the following:

- Current CPR certification, which must be completed within a time frame that allows it to remain valid for the full 18-months of the program.
- Background check, to include fingerprint check and drug screening, with no disqualifying offenses.
- As part of the application process, you will be asked to write a 500-word essay on the following topic: What do you know about the profession of surgical technology and what interests you about it?

To learn more and apply, visit CCD.edu/SurgicalTech.

PREREQUISITES

Code	Title	Credits
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	4
HPR 178	Medical Terminology	2
BIO 202	Human Anatomy & Physiology II with Lab: GT-SC1	4
MAT 103	Math for Clinical Calculations	3
ENG 121	English Composition I: GT-CO1	3
Total Credits		16

Course Map

Course	Title	Credits
First Semester		
STE 100	Fundamentals of Surgical Technology	6
STE 101	Surgical Technology Skills Lab	4
STE 110	Surgical Procedures I	3
BIO 204	Microbiology with Lab: GT-SC1	4
	Subtotal	17
Second Semester		
PSY 235	Human Growth and Development: GT-SS3	3
STE 105	Pharmacology for the Surgical Technologist	2
STE 115	Surgical Procedures II	3
STE 103	Introduction to Surgical Technology Lab	4
	Subtotal	12
Third Semester		
STE 120	Surgical Procedures III	3
STE 181	Surgical Internship I	4
	Subtotal	7
Fourth Semester		
STE 182	Internship II	4
STE 183	Internship III	6
STE 179	Surgical Technology Seminar	2
	Subtotal	12
	Total Credits	48

Total credit hours completed for the degree: 64 credit hours

[1] Taking this course during the sequence is a suggestion and not a requirement. The course must be taken for the A.A.S. degree, but not necessarily during this semester. If you are interested in applying to nursing school, you should take Math 135 (3 credits) instead of Math 103.

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 100 - 3 credits
- MAT 135 - 3 credits
- CHE 101 - 5 credits
- MAT 121 - 4 credits

Veterinary Technology

Associate of Applied Science Degree

Center for Health Sciences 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 111	General College Biology I with Lab: GT-SC1 [1]	4
MAT 103	Math for Clinical Calculations	3
Or higher		
Choose One Composition Course		3
ENG 121	English Composition I: GT-CO1	
ENG 131	Technical Writing I GT-CO1	
Total Credits		10

2 Year Track Cohort plan

COURSE MAP

Course	Title	Credits
First Semester		
VET 102	Veterinary Medical Terminology	1
VET 108	Introduction to Laboratory Procedures	3
VET 116	Humane Treatment and Handling of Animals	3
VET 120	Office Procedures and Relations	2
VET 205	Veterinary Anatomy and Physiology I	4
	Subtotal	13
Second Semester		
VET 106	Exotic Animal Handling	2
VET 115	Surgical Nursing	2
VET 172	First Year Clinical Rotation	1
VET 182	Internship	2
VET 223	Introduction to Anesthesia	1
VET 206	Veterinary Anatomy and Physiology II	4
VET 224	Pharmacology for Veterinary Technicians	3
	Subtotal	15
Third Semester		
COM 115	Public Speaking	3
VET 134	Diagnostic Imaging	2
VET 280	Diagnostic Imagining Internship	1
Choose One Elective		3
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
	Subtotal	9
Fourth Semester		
VET 225	Anesthesiology	3
VET 227	Animal Nutrition	2
VET 241	Clinical Laboratory Procedures	4
VET 281	Internship II	3
	Subtotal	12
Fifth Semester		
VET 232	Veterinary Dentistry	1
VET 238	Small Animal Nursing	2
VET 239	Large Animal Nursing	2
VET 242	Veterinary Critical Care	2
VET 243	Veterinary Diagnostic Microbiology	3
VET 250	Clinical Competency Evaluation	1
VET 282	Internship III	4
	Subtotal	15
	Total Credits	64

TOTAL CREDIT HOURS COMPLETED FOR THE DEGREE: 74 CREDIT HOURS

[1] BIO 111 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 111	General College Biology I with Lab: GT-SC1	4
Choose One English Course		3
ENG 121	English Composition I: GT-CO1	
ENG 131	Technical Writing I GT-CO1	
MAT 103	Math for Clinical Calculations	3
Or higher		

3 Year Track Cohort plan

Course Map

Course	Title	Credits
First Year		
Fall		
VET 108	Introduction to Laboratory Procedures	2
VET 116	Humane Treatment and Handling of Animals	3
VET 205	Veterinary Anatomy and Physiology I	4
• VET 102 and VET 120 must be completed prior to moving into fall semester of 2nd year. These 2 courses can be taken during fall or spring of the first year.		
	Subtotal	9
Spring		
VET 206	Veterinary Anatomy and Physiology II	4
VET 106	Exotic Animal Handling	2
VET 115	Surgical Nursing	2
• VET 102 and VET 120 must be completed prior to moving into fall semester of 2nd year. These 2 courses can be taken during fall or spring of the first year.		
	Subtotal	8
Summer		
VET 134	Diagnostic Imaging	2
VET 280	Diagnostic Imagining Internship	1
VET 243	Veterinary Diagnostic Microbiology	3
	Subtotal	6
Second Year		
Fall		
VET 223	Introduction to Anesthesia	1
VET 224	Pharmacology for Veterinary Technicians	3
VET 172	First Year Clinical Rotation	1
VET 182	Internship	2
	Subtotal	7
Spring		
VET 225	Anesthesiology	3
VET 241	Clinical Laboratory Procedures	4
VET 239	Large Animal Nursing	3
	Subtotal	10
Summer		
VET 243	Veterinary Diagnostic Microbiology	3
VET 242	Veterinary Critical Care	2
VET 281	Internship II	3
	Subtotal	8
Third Year		
Fall		
VET 232	Veterinary Dentistry	1
VET 238	Small Animal Nursing	2
VET 239	Large Animal Nursing	2
VET 250	Clinical Competency Evaluation	1
VET 282	Internship III	4
*VET 272 must be taken before graduation. It can be taken during any semester it is offered.		
	Subtotal	10
	Total Credits	58

General Education

Code	Title	Credits
MAT 103	Math for Clinical Calculations	3
Or higher		
Choose One Social Sciences Course		3

SOC 101	Introduction to Sociology I: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
ENG 121	English Composition I: GT-CO1	3
COM 115	Public Speaking	3
BIO 111	General College Biology I with Lab: GT-SC1	4

Total credit hours completed for the degree: 74-75

Certificates

Center for Health Sciences 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 102	Veterinary Medical Terminology	1
VET 120	Office Procedures and Relations	2
VET 101	Career Development Animals	2
VET 103	Veterinary Assistant Restraint and Handling	2
VET 104	Assistant Large Animal Nursing	1
VET 117	Veterinary Assistant Surgery and Nursing Care	2
VET 114	Vet Assist Lab & Clinical Procedures	3
VET 183	Internship	3
Total Credits		16

INDUSTRY, MANUFACTURING & CONSTRUCTION

Learn by doing with our advanced manufacturing and architectural technology 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
ARCHITECTURAL TECHNOLOGY PROGRAM	
Architectural Technologies	Associate of Applied Science
Architectural Studies	Associate of Applied Science
Digital Design Media	Associate of Applied Science
Sustainable Design	Associate of Applied Science
Contemporary Building Technology	Certificate
Digital Design Media	Certificate
Sustainable Design	Certificate
Revit	Certificate
Basic Building Crafts	Certificate
Advanced Building Crafts	Certificate
ENGINEERING GRAPHICS & MECHANICAL DESIGN PROGRAM	
Computer Aided Drafting & Design/ Mechanical Designer	Associate of Applied Science
Computer Aided Design & Drafting/ Mechanical Welder Basic Certificate	Certificate
Computer Aided Design & Drafting/ Mechanical Welder Intermediate Certificate	Certificate
Inventor	Certificate
Solidworks	Certificate
Scanned Input 3D Modeling	Certificate
FABRICATION WELDING PROGRAM	
Fabrication Welding	Associate of Applied Science
Basic Welding	Certificate
Intermediate Welding	Certificate
ARC Welder	Certificate
Fabrication Welding	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
Multi-Axis Lathe	Certificate
CNC Wire EDM	Certificate
Five Axis Milling Machine	Certificate

Applied Technology

Associate of Applied Science Degree

Center for Career & Technical Education

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 115	Public Speaking	3
or COM 125	Interpersonal Communication	
ENG 121	English Composition I: GT-CO1	3
or ENG 131	Technical Writing I GT-CO1	
MAT 107	Career Math	3
or MAT 121	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		
POS - 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

Architectural Technologies

Associate of Applied Science Degree

Center for Career & Technical Education
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 three Associate of Applied Science degrees in architectural technology.

- Architectural Technologies
- Architectural Studies
- Digital Design Media
- Sustainable Design

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.

The contemporary building technology certificate and Revit certificate both seamlessly transfer into the A.A.S. in architectural technologies.

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 100	Introduction to Design Theory [1]	3
AEC 116	Building Materials	3
ENG 121	English Composition I: GT-CO1 [1]	3
MAT 121	College Algebra: GT-MA1	4
Choose One Art Course		3
ART 121	Drawing I [1]	
ART 131	Visual Concepts 2-D Design	
	Subtotal	16
Second Semester		
AEC 104	Architectural Drawing Theory [1]	4
AEC 125	History of Architecture	3
PHY 105	Conceptual Physics with Lab: GT-SC1	4
CAD 225	AutoCAD Architecture	3
	Subtotal	14
Third Semester		
AEC 102	Residential Construction Drawing	4
AEC 218	Sustainable Building Systems	3
AEC 205	Applied Statics and Strengths of Materials	3
CAD 224	Revit Architecture	3
COM 217	Group Communication	3
	Subtotal	16
Fourth Semester		
AEC 225	Architectural Design and Development	4
AEC 236	International Building Codes	3
AEC 122	Construction Practices and Documents	2
AEC 123	Commercial Construction Drawing	4
Choose One Computer Aided Drafting Class		3
CAD 217	Rhino	
CAD 227	Advanced Revit Architecture	
	Subtotal	16
	Total Credits	62

Digital Design Media

This program, which shares a core set of courses with the other A.A.S. architectural technology degrees, focuses on developing proficiencies across a broad spectrum of current and widely used digital design software. The degree prepares you for career pathways involving leadership in architectural drawing production, architectural rendering and presentation, and digital visualization roles in professional design practices.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 100	Introduction to Design Theory	3
ART 121	Drawing I	3
AEC 116	Building Materials	3
ENG 121	English Composition I: GT-CO1	3
MAT 121	College Algebra: GT-MA1	4
	Subtotal	16
Second Semester		
AEC 104	Architectural Drawing Theory	4
AEC 125	History of Architecture	3
PHY 105	Conceptual Physics with Lab: GT-SC1	4
CAD 115	Sketchup	3
	Subtotal	14
Third Semester		
CAD 225	AutoCAD Architecture	3
ART 131	Visual Concepts 2-D Design	3
CAD 224	Revit Architecture	3
MGD 101	Introduction to Computer Graphics	3
Choose One Elective Course		3
AEC 236	International Building Codes	
AEC 205	Applied Statics and Strengths of Materials	
	Subtotal	15
Fourth Semester		
CAD 217	Rhino	3
CAD 227	Advanced Revit Architecture	3
CAD 219	3DS Max	3
AEC 218	Sustainable Building Systems	3

Choose One Elective Course		3
AEC 236	International Building Codes	
AEC 280	Internship	
AEC 205	Applied Statics and Strengths of Materials	
ART 134	Visual Concepts 4-D Design	
	Subtotal	15
	Total Credits	60

Sustainable Design

This program, which shares a core set of courses with the other A.A.S. architectural technology degrees, focuses on developing a proficiencies in integrated concepts for energy and resource conservation in architectural design and the methodologies used to implement them. Studies include regional and global implications of sustainable design and training in the use and administration of green building standards in professional practice. The degree enables you to pursue a career in sustainable design consultation and green building certification administration.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 100	Introduction to Design Theory	3
AEC 116	Building Materials	3
ENG 121	English Composition I: GT-CO1	3
MAT 121	College Algebra: GT-MA1	4
Choose One Course		3
ART 121	Drawing I	
ART 131	Visual Concepts 2-D Design	
	Subtotal	16
Second Semester		
AEC 104	Architectural Drawing Theory	4
AEC 218	Sustainable Building Systems	3
PHY 105	Conceptual Physics with Lab: GT-SC1	4
CAD 115	Sketchup	3
	Subtotal	14
Third Semester		
ENV 101	Environmental Science with Lab: GT-SC1	4
AEC 125	History of Architecture	3
AEC 205	Applied Statics and Strengths of Materials	3
CAD 224	Revit Architecture	3
Choose One Course		3
ANT 240	Environmental Anthropology	
ANT 255	Anthropology of Energy	
	Subtotal	16
Fourth Semester		
AEC 225	Architectural Design and Development	4
AEC 122	Construction Practices and Documents	2
AEC 219	LEED Exam Preparation	3
PHI 218	Environmental Ethics: GT-AH3	3
Choose One Elective Course		3
AEC 236	International Building Codes	
AEC 280	Internship	
CAD 227	Advanced Revit Architecture	
CAD 219	3DS Max	
	Subtotal	15
	Total Credits	61

Certificates

Center for Career & Technical Education
CCD.edu/Architecture

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

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

- Contemporary Building Technology
- Digital Design Media
- Sustainable Design

This is a stand-alone certificate recognizing successful completion of the two-semester progression of Revit courses.

- Revit

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 seamlessly transfers to 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 prepares you for employment as an entry-level architectural technologist and drafter.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 102	Residential Construction Drawing	4
AEC 116	Building Materials	3
AEC 205	Applied Statics and Strengths of Materials	3
CAD 224	Revit Architecture	3
	Subtotal	13
Second Semester		
CAD 225	AutoCAD Architecture	3
AEC 236	International Building Codes	3
CAD 227	Advanced Revit Architecture	3
AEC 123	Commercial Construction Drawing	4
AEC 122	Construction Practices and Documents	2
	Subtotal	15
	Total Credits	28

Digital Design Media

This certificate seamlessly transfers to the Associate of Applied Science degree in digital design media.

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 grows.

COURSE MAP

Course	Title	Credits
First Semester		
CAD 225	AutoCAD Architecture	3
CAD 115	Sketchup	3
ART 131	Visual Concepts 2-D Design	3
CAD 224	Revit Architecture	3
MGD 101	Introduction to Computer Graphics	3
	Subtotal	15

Second Semester		
CAD 217	Rhino	3
CAD 227	Advanced Revit Architecture	3
CAD 219	3DS Max	3
AEC/CAD Elective		3
OR		
ART 134	Visual Concepts 4-D Design	
	Subtotal	12
	Total Credits	27

Sustainable Design

This certificate seamlessly transfers to the Associate of Applied Science degree in sustainable design.

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 experienced and dedicated to these particular tasks within a larger design team. This certificate enables you to pursue foundational studies in emerging areas of specialization.

COURSE MAP

Course	Title	Credits
First Semester		
ENV 101	Environmental Science with Lab: GT-SC1	4
AEC 116	Building Materials	3
CAD 224	Revit Architecture	3
CAD 115	Sketchup	3
	Subtotal	13
Second Semester		
AEC 122	Construction Practices and Documents	2
AEC 219	LEED Exam Preparation	3
PHI 218	Environmental Ethics: GT-AH3	3
AEC 218	Sustainable Building Systems	3
AEC/CAD Elective		3
	Subtotal	14
	Total Credits	27

Revit

This program is not eligible for federal student aid.

This certificate seamlessly transfers to the Associate of Applied Science degree in architectural technology, which provides for the development of critical skills needed to fill both current and evolving roles in the mechanical design and advanced manufacturing industries.

The Revit certificate delivers curriculum and well-designed competencies using current and emerging 2D/3D-digital design technologies. By blending classic 2D drafting (ISO, ASTM, ANSI) requirements, our students are ready to understand and meet all mechanical design and manufacturing needs for 2D documents and document control. Then the engineering graphics program builds a strong 3D foundation in modeling, assembling, and documenting their 3D solid designs. Lastly, to keep up with cutting-edge technology, we include 3D printing and 3D scanning, rounding out skills in concurrent design.

PROGRAM ADMISSION REQUIREMENTS

Meet with the program chair or your academic advisor to discuss this program.

Course Map

Code	Title	Credits
CAD 224	Revit Architecture	3
CAD 227	Advanced Revit Architecture	3
Total Credits		6

Basic Building Crafts

This certificate prepares you with a well-rounded combination of conceptual and manual skills centered around light-frame construction materials and methods to enable competitive employment as a skilled construction field worker.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 102	Residential Construction Drawing	4
AEC 104	Architectural Drawing Theory	4
AEC 121	Construction Materials and Systems	3
AEC 122	Construction Practices and Documents	2
AEC 280	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 seamlessly transfers into the A.A.S. in architectural technologies.

COURSE MAP

Course	Title	Credits
First Semester		
AEC 123	Commercial Construction Drawing	4
AEC 236	International Building Codes	3
CAD 224	Revit Architecture	3
CAD 225	AutoCAD Architecture	3
AEC 287	Cooperative Education	3
	Subtotal	16
	Total Credits	16

Engineering Graphics & Mechanical Design

Associate of Applied Science Degree
Computer Aided Design and Drafting/Mechanical Designer

The Computer Aided Design & Drafting program allows students to pursue an Associate of Applied Science Degree that provides an opportunity to learn the skills needed to become a CAD/Drafter in many of the important industries throughout Colorado and the country. This degree program will include skills ranging from 2D CAD drafting to 3D parametric modeling. Along the degree path, students will also have opportunities to augment their CAD skills with rapid prototyping, using a state of the art 3D printer and 3D scanner. Also in the degree plan, students will be trained in mechanical design and will develop an understanding of mechanical design with an eye towards manufacturability.

Program Admission Requirements

Meet minimum assessment scores or prerequisites required for general education courses in the program. Meet with Program Chair or Academic Advisor. Call to make an appointment.

Course	Title	Credits
First Semester		
CAD 101	Computer Aided Drafting I	3
CAD 102	Computer Aided Drafting II	3
MGD 101	Introduction to Computer Graphics	3

MAC 102	Print Reading for Machinists	3
MAT 108	Technical Mathematics	4
	Subtotal	16
Second Semester		
CAD 217	Rhino	4
CAD 240	Inventor I/Autodesk	4
CAD 224	Revit Architecture	3
CAD 255	SolidWorks/Mechanical	4
PHY 105	Conceptual Physics with Lab: GT-SC1	4
	Subtotal	19
Third Semester		
CAD 244	Advanced Inventor	3
CAD 259	Advanced Solidworks	3
MTE 230	Design for Manufacturability	3
CAD 262	3D Printing/Additive Manufacturing	3
COM 115	Public Speaking	3
	Subtotal	15
Fourth Semester		
CAD 264	3D Scanning and Modeling	4
Choose One Computer Aided Design and Drafting Course		6
CAD 280	Internship	
CAD 289	Capstone	
ENG 121	English Composition I: GT-CO1	3
	Subtotal	13
	Total Credits	60

Certificates

Center for Career & Technical Education
CCD.edu/EngineeringGraphics

Community College of Denver currently offers five certificates in engineering graphics and mechanical design.

- Inventor
- Solidworks
- Scanned Input 3D Modeling
- Computer Aided Drafting and Design Basic Certificate
- Computer Aided Design and Drafting Intermediate Certificate

Inventor

This program is not eligible for federal student aid.

This one-semester certificate provides currency and skill upgrade training for individuals working in the field or individuals in a related field wishing to obtain Inventor skills beyond the entry level. Drafting graduates whose skills are dated and wish to update should use one of these 6 credit hour certificates to gain those skills required in industry. Students with little or no background in AutoCAD should not select this program.

PROGRAM ADMISSION REQUIREMENTS
Meet with program chair or academic advisor. Call to make an appointment.

COURSE MAP

Code	Title	Credits
CAD 240	Inventor I/Autodesk	3
CAD 244	Advanced Inventor	3
Total Credits		6

Solidworks

This program is not eligible for federal student aid.

This one-semester certificate provides currency and skill upgrade training for individuals working in the field or individuals in a related field wishing to obtain Solidworks skills beyond the entry level. Drafting graduates whose skills are dated and wish to update should use one of these 6 credit hour certificates to gain those skills required in industry. Students with little or no background in AutoCAD should not select this program.

PROGRAM ADMISSION REQUIREMENTS
Meet with program chair or academic advisor. Call to make an appointment.

COURSE MAP

Code	Title	Credits
CAD 255	SolidWorks/Mechanical	3
CAD 259	Advanced Solidworks	3
Total Credits		6

Scanned Input 3D Modeling

This program is not eligible for federal student aid.

This 7 credit hour certificate covering both 3D printing and 3D scanning and modeling is designed for students who have completed the Associate of Applied Science in engineering graphics/mechanical designer or for CAD designers with established 3D parametric modeling skills. The first class, 3D Printing, will provide you with the ability to connect design and prototyping through the use of 3D CAD Modeling and 3D Printing. The second class, 3D Scanning and Modeling, exposes you 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

PROGRAM ADMISSION REQUIREMENTS
Meet with program chair or academic advisor. Call to make an appointment.

COURSE MAP

Code	Title	Credits
CAD 262	3D Printing/Additive Manufacturing	3
CAD 264	3D Scanning and Modeling	4
Total Credits		7

Computer Aided Design and Drafting/ Mechanical Designer Basic Certificate

This certificate provides currency and skill upgrade training for individuals working in the field, individuals in a related field wishing to obtain AutoCAD skills, and/or mechanical drafting graduates whose skills require updating. This program includes two introductory courses; students with little or no background in AutoCAD should select this program. This certificate is fully transferable to the Computer Aided Design and Drafting Intermediate Certificate and the CADD AAS Degree,

Please see an Academic Advisor about this pathway.

Program Admission Requirements

1. Meet minimum assessment score or prerequisites required for general education courses in the program.

2. Meet with Program Chair or Academic Advisor. Call to make an appointment.

Course	Title	Credits
First Semester		
CAD 101	Computer Aided Drafting I	3
CAD 102	Computer Aided Drafting II	3
MGD 101	Introduction to Computer Graphics	3
MAC 102	Print Reading for Machinists	3
MAT 108	Technical Mathematics	4
	Subtotal	16
Second Semester		
CAD 217	Rhino	3
CAD 240	Inventor I/Autodesk	3
CAD 224	Revit Architecture	3
CAD 255	SolidWorks/Mechanical	3
PHY 105	Conceptual Physics with Lab: GT-SC1	4
	Subtotal	16
	Total Credits	32

Computer Aided Design and Drafting/Mechanical Designer Intermediate Certificate

This certificate builds on the Computer Aided Design and Drafting Basic Certificate.

It provides currency and skill training for individuals wanting to work in the field of Computer Aided Design and Drafting. This program includes skills needed to understand 3D parametric drafting using state of the art Computer Aided Drafting programs. This certificate is fully transferable to the CADD AAS Degree.

Please see an Academic Advisor about this pathway.

Program Admission Requirements

1. Meet minimum assessment scores or prerequisites required for general education courses in the program.

2. Meet with Program Chair or Academic Advisor. Call to make an appointment.

Course	Title	Credits
First Semester		
CAD 101	Computer Aided Drafting I	3
CAD 102	Computer Aided Drafting II	3
MGD 101	Introduction to Computer Graphics	3
MAC 102	Print Reading for Machinists	3
MAT 108	Technical Mathematics	4
	Subtotal	16
Second Semester		
CAD 217	Rhino	4
CAD 240	Inventor I/Autodesk	4
CAD 224	Revit Architecture	3
CAD 255	SolidWorks/Mechanical	4
PHY 105	Conceptual Physics with Lab: GT-SC1	4
	Subtotal	19
Third Semester		
CAD 244	Advanced Inventor	3
CAD 259	Advanced Solidworks	3
MTE 230	Design for Manufacturability	3
CAD 262	3D Printing/Additive Manufacturing	3
COM 115	Public Speaking	3
	Subtotal	15
	Total Credits	50

Fabrication Welding

Associate of Applied Science Degree

Advanced Manufacturing Center
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		
MAT 108	Technical Mathematics	4
WEL 100	Safety for Welders	1
WEL 101	Allied Cutting Processes	4
WEL 102	Oxyacetylene Joining Processes	4
WEL 103	Basic Shielded Metal Arc I	4
	Subtotal	17
Second Semester		
WEL 104	Basic Shielded Metal Arc II	4
WEL 106	Blueprint Reading for Welders and Fitters	4
WEL 110	Advanced Shielded Metal Arc I	4
CIS 118	Introduction to PC Applications	3
Choose One Composition Course		3
ENG 121	English Composition I: GT-CO1	
ENG 131	Technical Writing I GT-CO1	
	Subtotal	18
Third Semester		
SOC 101	Introduction to Sociology I: GT-SS3	3
WEL 111	Advanced Shielded Metal Arc II	4
WEL 124	Introduction to Gas Tungsten Arc Welding	4
WEL 125	Introduction to Gas Metal Arc Welding	4
	Subtotal	15
Fourth Semester		
POS 105	Intro to Political Science: GT-SS1	3
WEL 202	Gas Metal Arc Welding II	4
WEL 224	Advanced Gas Tungsten Arc Welding	4
WEL 230	Pipe Welding I	4
	Subtotal	15
	Total Credits	65

Certificates

Advanced Manufacturing Center
CCD.edu/Welding

Community College of Denver currently offers four 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 basic shielded metal arc. 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
MAT 108	Technical Mathematics	4
WEL 100	Safety for Welders	1
WEL 101	Allied Cutting Processes	4
WEL 102	Oxyacetylene Joining Processes	4
WEL 103	Basic Shielded Metal Arc I	4
Total Credits		17

Intermediate Welding

This certificate prepares you with entry-level knowledge in cutting processes, oxyacetylene joining processes and basic shielded metal arc. An introduction to personal computers is included. 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		
CIS 118	Introduction to PC Applications	3
MAT 108	Technical Mathematics	4
WEL 100	Safety for Welders	1
WEL 101	Allied Cutting Processes	4
	Subtotal	12
Second Semester		
WEL 102	Oxyacetylene Joining Processes	4
WEL 103	Basic Shielded Metal Arc I	4
WEL 106	Blueprint Reading for Welders and Fitters	4
	Subtotal	12
	Total Credits	24

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		
MAT 108	Technical Mathematics	4
WEL 100	Safety for Welders	1
WEL 101	Allied Cutting Processes	4
WEL 103	Basic Shielded Metal Arc I	4
WEL 104	Basic Shielded Metal Arc II	4
	Subtotal	17
Second Semester		
WEL 106	Blueprint Reading for Welders and Fitters	4
WEL 110	Advanced Shielded Metal Arc I	4
WEL 111	Advanced Shielded Metal Arc II	4
	Subtotal	12
	Total Credits	29

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		
MAT 108	Technical Mathematics	4
WEL 100	Safety for Welders	1
WEL 101	Allied Cutting Processes	4
WEL 102	Oxyacetylene Joining Processes	4
WEL 103	Basic Shielded Metal Arc I	4
	Subtotal	17
Second Semester		
CIS 118	Introduction to PC Applications	3
WEL 104	Basic Shielded Metal Arc II	4
WEL 106	Blueprint Reading for Welders and Fitters	4
WEL 110	Advanced Shielded Metal Arc I	4
WEL 124	Introduction to Gas Tungsten Arc Welding	4
	Subtotal	19
Third Semester		
WEL 111	Advanced Shielded Metal Arc II	4
WEL 125	Introduction to Gas Metal Arc Welding	4
WEL 202	Gas Metal Arc Welding II	4
WEL 224	Advanced Gas Tungsten Arc Welding	4
WEL 230	Pipe Welding I	4
	Subtotal	20
	Total Credits	56

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 100	Safety for Welders	1
WEL 101	Allied Cutting Processes	4
WEL 124	Introduction to Gas Tungsten Arc Welding	4
CAD 101	Computer Aided Drafting I	3
ART 131	Visual Concepts 2-D Design	3
	Subtotal	15
Second Semester		
ART 110	Art Appreciation: GT-AH1	3
ART 132	Visual Concepts 3-D Design	3
WEL 251	Design, Layout and Fabrication	4
WEL 264	Creative Welding	4
CAD 255	SolidWorks/Mechanical	3
	Subtotal	17
	Total Credits	32

Machine Technologies

Associate of Applied Science Degrees

Advanced Manufacturing Center
CCD.edu/Machining

Community College of Denver currently offers an Associate of Applied Science degree in machine technologies.

- CNC Manufacturing

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

Course	Title	Credits
First Semester		
MAC 100	Machine Shop Safety	1
MAC 101	Introduction to Machine Shop	3
MAC 102	Print Reading for Machinists	3
MAT 108	Technical Mathematics	4
MAC 203	Introduction to CNC Operations	6
	Subtotal	17
Second Semester		
MAC 250	Advanced Inspection Techniques	3
CIS 118	Introduction to PC Applications	3
MAC 201	Introduction to CNC Turning Operations	3
MAC 205	Introduction to CNC Milling Operations	3
Choose One Composition Course		3
ENG 131	Technical Writing I GT-CO1	
ENG 121	English Composition I: GT-CO1	
	Subtotal	15
Third Semester		
COM 115	Public Speaking	3
MAC 145	Production Manufacturing Concepts	3
MAC 202	CNC Turning Operations II	3
MAC 206	CNC Milling Operations II	3
CAD 101	Computer Aided Drafting I	3
	Subtotal	15
Fourth Semester		
MAC 245	CAD/CAM 3D	3
MAC 252	Practical Metallurgy	3
MAC 278	Machining Workship	3
MAC 240	CAD/CAM 2D	3
Choose One Elective		3
POS 105	Intro to Political Science: GT-SS1	
SOC 101	Introduction to Sociology I: GT-SS3	
	Subtotal	15
	Total Credits	62

Certificates

Advanced Manufacturing Center
CCD.edu/Machining

Community College of Denver currently offers seven certificates in machine technologies.

- Basic Machining
- Intermediate Machining
- CNC Machine Tool Operator
- Industrial Maintenance Technologies
- Multi-Axis Lathe
- CNC Wire EDM
- Five-Axis Milling Machine

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.

COURSE MAP

Code	Title	Credits
MAC 100	Machine Shop Safety	1
MAC 101	Introduction to Machine Shop	3
MAC 102	Print Reading for Machinists	3
MAC 203	Introduction to CNC Operations	6
MAT 108	Technical Mathematics	4
Total Credits		17

Intermediate Machining

The intermediate 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 100	Machine Shop Safety	1
MAC 101	Introduction to Machine Shop	3
MAC 102	Print Reading for Machinists	3
MAC 203	Introduction to CNC Operations	6
MAT 108	Technical Mathematics	4
	Subtotal	17
Second Semester		
MAC 250	Advanced Inspection Techniques	3
MAC 201	Introduction to CNC Turning Operations	3
MAC 205	Introduction to CNC Milling Operations	3
	Subtotal	9
	Total Credits	26

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 100	Machine Shop Safety	1
MAC 101	Introduction to Machine Shop	3
MAC 102	Print Reading for Machinists	3
MAC 203	Introduction to CNC Operations	6
MAT 108	Technical Mathematics	4
	Subtotal	17
Second Semester		
MAC 250	Advanced Inspection Techniques	3
CIS 118	Introduction to PC Applications	3
MAC 201	Introduction to CNC Turning Operations	3
MAC 205	Introduction to CNC Milling Operations	3
	Subtotal	12
Third Semester		
MAC 145	Production Manufacturing Concepts	3
MAC 202	CNC Turning Operations II	3
MAC 240	CAD/CAM 2D	3
MAC 206	CNC Milling Operations II	3
	Subtotal	12
	Total Credits	41

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 100	Machine Shop Safety	1
MAC 101	Introduction to Machine Shop	3
MAC 102	Print Reading for Machinists	3
MAC 110	Introduction to Engine Lathe	3
MAC 120	Introduction to Milling Machine	3
MAT 108	Technical Mathematics	4
	Subtotal	17
Second Semester		
CAD 101	Computer Aided Drafting I	3
CAD 102	Computer Aided Drafting II	3
CAD 240	Inventor I/Autodesk	3
CIS 118	Introduction to PC Applications	3
	Subtotal	12
Third Semester		
WEL 101	Allied Cutting Processes	4
WEL 102	Oxyacetylene Joining Processes	4
WEL 103	Basic Shielded Metal Arc I	4
	Subtotal	12
	Total Credits	41

Multi-Axis Lathe

This certificate is not eligible for federal student aid

This certificate will teach you the set-up, operation and programming of multi-axis lathes. You will work with live-tooling and dual-spindles to program and manufacture one-off parts. This is an advanced program meant for Associate of Applied Science degree graduates or for incumbent employees with advanced computer numerical control (CNC) skills and advanced programming experience.

PROGRAM ADMISSION REQUIREMENTS

To enter this certificate program, you must have completed the machining technologies A.A.S. degree within the past five years, have prior CNC programming experience, minimum testing scores, and employer references.

COURSE MAP

Code	Title	Credits
MAC 262	Introduction to Multi-Axis Lathe	2
MAC 263	Multi-Axis Lathe Operation	3
MAC 264	Multi-Axis Lathe Programming	3
Total Credits		8

CNC Wire EDM

This certificate is not eligible for federal student aid

This certificate program will instruct a student in the basics of CNC wire EDM set-up, programming and controller operations. This course of study is an advanced program meant for machining technologies Associate of Applied Science (A.A.S.) degree graduates or for incumbent employees with advanced CNC skills and programming experience.

PROGRAM ADMISSION REQUIREMENTS

To enter this certificate program, you must have completed the machining technologies A.A.S. degree within the past five years, have prior CNC programming experience, minimum testing scores, and employer references.

COURSE MAP

Code	Title	Credits
MAC 251	Introduction to Wire EDM	2
MAC 253	Wire EDM Operation	3
MAC 257	Wire EDM Programming	3
Total Credits		8

Five-Axis Milling Machine Certificate

This certificate is not eligible for federal student aid

This certificate prepares you to be able to set-up, operate and program five-axis milling machines. You will become familiar with tool management, pallet changers and lights-out manufacturing. This course of study is an advanced program meant for machining technologies Associate of Applied Science (A.A.S.) degree graduates or for incumbent employees with advanced CNC skills and advanced programming experience.

PROGRAM ADMISSION REQUIREMENTS

To enter this certificate program, you must have completed the machining technologies A.A.S. degree within the past five years, have prior CNC programming experience, minimum testing scores, and employer references.

COURSE MAP

Code	Title	Credits
MAC 259	Introduction to the 5-Axis Milling Machine	2
MAC 260	5-Axis Milling Machine Operation	3
MAC 261	5-Axis Milling Machine Programming	3
Total Credits		8

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

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
BIOLOGY PROGRAM	
Biology Designation	Associate of Science[1]
CHEMISTRY PROGRAM	
Chemistry Designation	Associate of Science[1]
COMPUTER INFORMATION SYSTEMS PROGRAM	
Computer Information Systems	Associate of Applied Science
Cybersecurity	Associate of Applied Science
Cybersecurity	Certificate
Computer Technology	Certificate
Data Analytics	Certificate
ENGINEERING	
Engineering Transfer	Associate of Science
ENVIORNMENTAL SCIENCE PROGRAM	
Enviornmental Science	Associate of Arts
GEOLOGY PROGRAM	
Geology Designation	Associate of Science[1]
INFORMATION TECHNOLOGY PROGRAM	
Information Technology	Associate of Applied Science
Computer Service and Support	Certificate
Healthcare	Certificate
Network Security	Certificate
MATHEMATICS PROGRAM	
Mathematics Designation	Associate of Science[1]
PHYSICS PROGRAM	
Physics Designation	Associate of Science[1]

[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.

Biology

Associate of Science Degree

Center for Math & Science
CCD.edu/Biology

Biology Designation

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		
CHE 111	General College Chemistry I with Lab: GT-SC1 [1]	5
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 201	Calculus I: GT-MA1 [1,3]	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 218	Environmental Ethics: GT-AH3	
	Subtotal	16
Second Semester		
BIO 111	General College Biology I with Lab: GT-SC1	5
CHE 112	General College Chemistry II with Lab: GT-SC1	5
ENG 122	English Composition II: GT-CO2 [2]	3
	Subtotal	13
Third Semester		
BIO 112	Gen College Biology II with Lab: GT-SC1	5
PHY 111	Physics Algebra-Based I with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 218	Environmental Ethics: GT-AH3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
GEO 105	World Regional Geography: GT-SS2	
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
	Subtotal	16
Fourth Semester		
PHY 112	Physics Algebra-Based II with Lab: GT-SC1	5
Choose One History Course (GT-HI1)		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 121	U.S. History to Reconstruction: GT-HI1	
HIS 122	U.S. History Since the Civil War: GT-HI1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
GEO 105	World Regional Geography: GT-SS2	
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
Choose One Elective		4
BIO 208	General College Microbiology with Lab GT-SC1	
BIO 220	General Zoology with Lab: GT-SC1	
BIO 221	Botany I with Lab: GT-SC1	
BIO 224	Genetics	
	Subtotal	15
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Requires prerequisite coursework: MAT 121 and MAT 122; see your academic advisor for specific information.

NOTE: You are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if you

anticipate transferring to a four-year institution or completing graduate work in the science 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.

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.

Chemistry

Associate of Science Degree

Center for Math & Science
CCD.edu/Chemistry

Chemistry Designation

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, you will explore calculus, physics, chemistry, atoms, chemical bonds and learn how matter interacts with forces that give matter its basics. Career paths for chemistry degree holders include research, quality control, drug research, chemical engineering and national defense.

COURSE MAP

Course	Title	Credits
First Semester		
CHE 111	General College Chemistry I with Lab: GT-SC1 [1]	5
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 201	Calculus I: GT-MA1 [1,3]	5
Choose One Arts & Humanities Course (GT-AH1~ GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
ART 111	Art History Ancient to Medieval: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
	Subtotal	16
Second Semester		
CHE 112	General College Chemistry II with Lab: GT-SC1	5
ENG 122	English Composition II: GT-CO2 [2]	3
MAT 202	Calculus II: GT-MA1	5
	Subtotal	13
Third Semester		
CHE 211	Organic Chemistry I with Lab	5
MAT 203	Calculus III: GT-MA1	4
PHY 211	Physics Calculus Based I with Lab: GT-SC1	5
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
PSY 235	Human Growth and Development: GT-SS3	
ANT 107	Introduction to Archaeology: GT-SS3	
ANT 201	Introduction to Forensic Anthropology: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
	Subtotal	17
Fourth Semester		
CHE 212	Organic Chemistry II with Lab	5
PHY 212	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Elective		1
CHE 185	Independent Study	
CHE 285	Independent Study	
Choose One History Course (GT-HI1)		3
HIS 247	20th Century World History: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 122	U.S. History Since the Civil War: GT-HI1	
HIS 121	U.S. History to Reconstruction: GT-HI1	
HIS 225	Colorado History: GT-HI1	
	Subtotal	14
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Requires prerequisite coursework: MAT 121 and MAT 122; see your academic advisor for specific information.

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 211 and 212, 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.

Computer Information Systems

Associate of Applied Science Degree

Center for Career & Technical Education
CCD.edu/CIS

- Computer Information Systems
- Cybersecurity

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 121	English Composition I: GT-CO1 [1]	3
Choose One Mathematics Course		4
MAT 121	College Algebra: GT-MA1	
MAT 123	Finite Mathematics: GT-MA1	
CIS 118	Introduction to PC Applications [1]	3
Choose One Art Course		3
ART 111	Art History Ancient to Medieval: GT-AH1	
ART 112	Art History Renaissance to Modern: GT-AH1	
ECO 201	Principles of Macroeconomics: GT-SS1	3
	Subtotal	16
Second Semester		
ENG 122	English Composition II: GT-CO2	3
ECO 202	Principles of Microeconomics: GT-SS1	3
BUS 115	Introduction to Business	3
ACC 121	Accounting Principles I	4
CIS 267	Management of Information Systems	3
	Subtotal	16
Third Semester		
Choose One Course		4
MAT 125	Survey of Calculus: GT-MA1	
ACC 122	Accounting Principles II	
MAR 216	Principles of Marketing	3
COM 115	Public Speaking	3
CNG 116	Microcomputer Hardware	3
CNG 124	Networking I: Network +	3
	Subtotal	16
Fourth Semester		
CNG 125	Networking II: Network +	3
CSC 119	Introduction to Programming	3
BUS 216	Legal Environment of Business	3
BUS 217	Business Communication and Report Writing	3
	Subtotal	12
	Total Credits	60

[1] Building Block Course

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	Title	Credits
First Semester		
ENG 121	English Composition I: GT-CO1	3
Choose One Mathematics Course		4
MAT 121	College Algebra: GT-MA1	
MAT 123	Finite Mathematics: GT-MA1	
CRJ 110	Introduction to Criminal Justice: GT-SS3	3
CIS 118	Introduction to PC Applications	3
COM 115	Public Speaking	3
	Subtotal	16
Second Semester		
ENG 122	English Composition II: GT-CO2	3
BIO 105	Science of Biology with Lab: GT-SC1	3
PSM 204	Terrorism, Intelligence, and Justice	3
CIS 267	Management of Information Systems	3
Choose One History Course		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 243	History of Modern China: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
	Subtotal	15
Third Semester		
CNG 131	Principles of Information Assurance	3
CNG 132	Network Security Fundamentals	3
Choose One Course		3
ANT 215	Indians of North America: GT-SS3	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
LIT 205	Ethnic Literature: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
MUS 125	History of Jazz: GT-AH1	
CSC 160	Computer Science I: (Language)	4
CRJ 127	Crime Scene Investigation	3
	Subtotal	16
Fourth Semester		
PSY 101	General Psychology I: GT-SS3	3
PSY 102	General Psychology II: GT-SS3	3
Choose One geyology or astronomy course		4
GEY 111	Physical Geology with Lab: GT-SC1	
GEY 112	Historical Geology with Lab: GT-SC1	
AST 101	Astronomy I with Lab: GT-SC1	
AST 102	Astronomy II with Lab: GT-SC1	
Choose One Multicultural Course		3
ANT 215	Indians of North America: GT-SS3	
COM 220	Intercultural Communication: GT-SS3	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
LIT 205	Ethnic Literature: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
MUS 125	History of Jazz: GT-AH1	
	Subtotal	13
	Total Credits	60

Certificates

Center for Career & Technical Education
CCD.edu/CIS

Community College of Denver currently offers three certificates in computer information systems.

- Computer Technology
- Cybersecurity
- Data Analytics

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 118	Introduction to PC Applications [1]	3
CNG 116	Microcomputer Hardware	3
CNG 120	A+ Certification Preparation	4
	Subtotal	10

Second Semester		
CNG 124	Networking I: Network +	3
CNG 125	Networking II: Network +	3
	Subtotal	6
	Total Credits	16

[1] Building Block Course

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 118	Introduction to PC Applications	3
PHI 205	Business Ethics: GT-AH3	3
PSM 204	Terrorism, Intelligence, and Justice	3
	Subtotal	9
Second Semester		
CNG 124	Networking I: Network +	3
CNG 125	Networking II: Network +	3
CRJ 110	Introduction to Criminal Justice: GT-SS3	3
	Subtotal	9
Third Semester		
CNG 131	Principles of Information Assurance	3
CNG 132	Network Security Fundamentals	3
	Subtotal	6
Fourth Semester		
CNG 256	Vulnerability Assessment I	3
CNG 257	Network Defense and Counter Measures	3
	Subtotal	6
	Total Credits	30

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 118	Introduction to PC Applications	3
MAT 135	Intro to Statistics: GT-MA1	3
	Subtotal	6
Second Semester		
CIS 155	PC Spreadsheet Concepts: Excel	3
CIS 240	Database Design and Development	3
CSC 119	Introduction to Programming	3
	Subtotal	9
Third Semester		
CIS 159	Microsoft Office Specialist Certification Prep: Excel	1
CIS 267	Management of Information Systems	3
OR		
CSC 217	Advanced Python Programming	
	Subtotal	4
	Total Credits	19

Environmental Science

Associate of Science

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 102	FYE Introduction to Sociology II: GT-SS3	3
ENG 121	English Composition I: GT-CO1	3
ENV 101	Environmental Science with Lab: GT-SC1	4
Choose One Mathematics Course (GT-MA1)		5
MAT 121	College Algebra: GT-MA1	
MAT 166	Pre-Calculus: GT-MA1	
MAT 201	Calculus I: GT-MA1	
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2	3
MAT 135	Intro to Statistics: GT-MA1	3
MAT 092	Quant Lab	1
CHE 111	General College Chemistry I with Lab: GT-SC1	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH 4)		3
ART 111	Art History Ancient to Medieval: GT-AH1	
MUS 123	Survey of World Music: GT-AH1	
LIT 205	Ethnic Literature: GT-AH2	
PHI 113	Logic: GT-AH3	
PHI 218	Environmental Ethics: GT-AH3	
	Subtotal	14
Third Semester		
CHE 112	General College Chemistry II with Lab: GT-SC1	5
BIO 111	General College Biology I with Lab: GT-SC1	5
Choose One Arts & Humanities Course		3
ART 111	Art History Ancient to Medieval: GT-AH1	
MUS 123	Survey of World Music: GT-AH1	
LIT 205	Ethnic Literature: GT-AH2	
PHI 113	Logic: GT-AH3	
PHI 218	Environmental Ethics: GT-AH3	
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
COM 220	Intercultural Communication: GT-SS3	
	Subtotal	16
Fourth Semester		
BIO 112	Gen College Biology II with Lab: GT-SC1	5
GEY 111	Physical Geology with Lab: GT-SC1	4
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ECO 201	Principles of Macroeconomics: GT-SS1	
POS 105	Intro to Political Science: GT-SS1	
POS 111	American Government: GT-SS1	
POS 205	International Relations: GT-SS1	
GEO 105	World Regional Geography: GT-SS2	
GEO 106	Human Geography: GT-SS2	

Choose One History Course (GT-HI1)		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 250	African American History: GT-HI1	
	Subtotal	15
	Total Credits	60

Geology

Associate of Science Degree

Geology Designation

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		
CHE 111	General College Chemistry I with Lab: GT-SC1	5
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 201	Calculus I: GT-MA1 [1,3]	5
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
GEO 105	World Regional Geography: GT-SS2	
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
	Subtotal	16
Second Semester		
CHE 112	General College Chemistry II with Lab: GT-SC1	5
ENG 122	English Composition II: GT-CO2 [2]	3
MAT 202	Calculus II: GT-MA1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 218	Environmental Ethics: GT-AH3	
	Subtotal	16
Third Semester		
GEY 111	Physical Geology with Lab: GT-SC1	4
PHY 211	Physics Calculus Based I with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
LIT 205	Ethnic Literature: GT-AH2	
PHI 112	Ethics: GT-AH3	
PHI 218	Environmental Ethics: GT-AH3	
Choose One History Course (GT-HI1)		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 225	Colorado History: GT-HI1	
	Subtotal	15
Fourth Semester		
GEY 112	Historical Geology with Lab: GT-SC1	4
PHY 212	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
GEO 105	World Regional Geography: GT-SS2	
PSY 101	General Psychology I: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
Choose One Elective		1
GEY 108	Geology of National Parks GT-SC2 [4]	
	Subtotal	13
	Total Credits	60

1 Building Block Course

2 You can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Requires prerequisite coursework: MAT 121 and MAT 122. Please see your academic advisor for specific information.

4 GEY 108 is 3 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.

Information Technology

Associate of Applied Science Degree

Center for Career & Technical Education
CCD.edu/IT

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		
CIS 118	Introduction to PC Applications [1]	3
BUS 115	Introduction to Business	3
BUS 217	Business Communication and Report Writing	3
MAT 123	Finite Mathematics: GT-MA1	4

ENG 131	Technical Writing I GT-CO1	3
	Subtotal	16
Second Semester		
COM 115	Public Speaking	3
CNG 124	Networking I: Network +	3
CNG 125	Networking II: Network +	3
CIS 240	Database Design and Development	3
MAR 160	Customer Service	3
	Subtotal	15
Third Semester		
CIS 124	Introduction to Operating Systems	3
CIS 267	Management of Information Systems	3
CNG 116	Microcomputer Hardware	3
CNG 120	A+ Certification Preparation	4
PSY 101	General Psychology I: GT-SS3	3
	Subtotal	16
Fourth Semester		
CSC 119	Introduction to Programming	3
CNG 131	Principles of Information Assurance	3
CNG 132	Network Security Fundamentals	3
ACC 121	Accounting Principles I	4
	Subtotal	13
	Total Credits	60

[1] Building Block Course

Certificates

Center for Career & Technical Education
CCD.edu/IT

Community College of Denver currently offers three certificates in information technology.

- Healthcare
- Computer Service & Support
- Network Security

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 118	Introduction to PC Applications	3
HPR 178	Medical Terminology	2
MAP 110	Medical Office Administration	4
	Subtotal	9
Second Semester		
CNG 116	Microcomputer Hardware	3
CNG 120	A+ Certification Preparation	4
CNG 124	Networking I: Network +	3
CNG 125	Networking II: Network +	3
CNG 289	Capstone	3
	Subtotal	16
	Total Credits	25

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 118	Introduction to PC Applications [1]	3
CNG 124	Networking I: Network +	3
CNG 125	Networking II: Network +	3
	Subtotal	9
Second Semester		
CIS 240	Database Design and Development	3
CIS 267	Management of Information Systems	3
	Subtotal	6
Third Semester		
CIS 124	Introduction to Operating Systems	3
CNG 116	Microcomputer Hardware	3
CNG 120	A+ Certification Preparation	4
CNG 211	Windows Configuration: (OS)	3
	Subtotal	13
	Total Credits	28

[1] Building Block Course

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 118	Introduction to PC Applications [1]	3
CNG 116	Microcomputer Hardware	3
CNG 124	Networking I: Network +	3
CNG 125	Networking II: Network +	3
	Subtotal	12
Second Semester		
CNG 131	Principles of Information Assurance	3
CNG 132	Network Security Fundamentals	3
CNG 209	MS Server Active Directory Configuration	4
CNG 211	Windows Configuration: (OS)	3
	Subtotal	13
	Total Credits	25

[1] Building Block Course

Mathematics

Associate of Science Degree

Center for Math & Science
CCD.edu/Math

Mathematics Designation

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		
MAT 201	Calculus I: GT-MA1 [1,3]	5
ENG 121	English Composition I: GT-CO1 [1,2]	3
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
MUS 120	Music Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
PHI 113	Logic: GT-AH3	
PHI 220	Philosophy of Death and Dying: GT-AH3	
ART 110	Art Appreciation: GT-AH1	
	Subtotal	14
Second Semester		
ENG 122	English Composition II: GT-CO2	3
MAT 202	Calculus II: GT-MA1	5
Choose One History Course (GT-HI1)		3
HIS 205	Women in World History: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 225	Colorado History: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 243	History of Modern China: GT-HI1	
HIS 255	The Middle Ages: GT-HI1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSY 101	General Psychology I: GT-SS3	
ECO 201	Principles of Macroeconomics: GT-SS1	
ECO 202	Principles of Microeconomics: GT-SS1	
PSY 249	Abnormal Psychology: GT-SS3	
PSY 227	Psychology of Death and Dying: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
	Subtotal	14
Third Semester		
PHY 211	Physics Calculus Based I with Lab: GT-SC1	5
MAT 204	Calculus III with Engineer Applications: GT-MA1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
MUS 120	Music Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
PHI 113	Logic: GT-AH3	
PHI 220	Philosophy of Death and Dying: GT-AH3	
ART 110	Art Appreciation: GT-AH1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ECO 201	Principles of Macroeconomics: GT-SS1	
PSY 101	General Psychology I: GT-SS3	
ECO 202	Principles of Microeconomics: GT-SS1	
PSY 249	Abnormal Psychology: GT-SS3	
PSY 227	Psychology of Death and Dying: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
	Subtotal	16
Fourth Semester		
CSC 160	Computer Science I: (Language)	4
PHY 212	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
MUS 120	Music Appreciation: GT-AH1	
HUM 115	World Mythology: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
PHI 113	Logic: GT-AH3	
PHI 220	Philosophy of Death and Dying: GT-AH3	
ART 110	Art Appreciation: GT-AH1	
Choose One Elective		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
	Subtotal	16
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Requires prerequisite coursework: MAT 121 and MAT 122; see an 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.

Physics

Associate of Science Degree

Center for Math & Science
CCD.edu/Physics

Physics Designation

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		
CHE 111	General College Chemistry I with Lab: GT-SC1 [1]	5
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 201	Calculus I: GT-MA1 [1,3]	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
ART 111	Art History Ancient to Medieval: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
	Subtotal	16
Second Semester		
ENG 122	English Composition II: GT-CO2 [2]	3
MAT 202	Calculus II: GT-MA1	5
PHY 211	Physics Calculus Based I with Lab: GT-SC1	5
Choose One Elective		4
CSC 160	Computer Science I: (Language)	
CHE 112	General College Chemistry II with Lab: GT-SC1	
	Subtotal	17
Third Semester		
PHY 212	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Mathematics Course		4
MAT 203	Calculus III: GT-MA1	
MAT 204	Calculus III with Engineer Applications: GT-MA1 [4]	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	

ART 111	Art History Ancient to Medieval: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
PSY 235	Human Growth and Development: GT-SS3	
ANT 107	Introduction to Archaeology: GT-SS3	
ANT 201	Introduction to Forensic Anthropology: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
	Subtotal	15
Fourth Semester		
PHY 213	Physics III: Calculus Based Modern Physics	3
Choose One Mathematics Elective		3
MAT 265	Differential Equations: GT-MA1	
MAT 266	Differential Equations with Linear Algebra [5]	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
ART 111	Art History Ancient to Medieval: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
Choose One History Course (GT-HI1)		3
HIS 247	20th Century World History: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 122	U.S. History Since the Civil War: GT-HI1	
HIS 121	U.S. History to Reconstruction: GT-HI1	
HIS 225	Colorado History: GT-HI1	
	Subtotal	12
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Requires prerequisite coursework: MAT 121 and MAT 122. See an academic advisor for specific information.

4 This course is 5 credit hours.

5 This course is 4 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.

SOCIAL & BEHAVIORAL SCIENCES

Cover a range of professions designed to help individuals and communities through social work, law enforcement and more. 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
ANTHROPOLOGY PROGRAM	
Anthropology Designation	Associate of Arts[1]
CRIMINAL JUSTICE PROGRAM	
Criminal Justice Designation	Associate of Arts[1]
Criminal Justice	Associate of Applied Science
Homeland Security	Certificate
HUMAN SERVICES PROGRAM	
Human Services Transfer Degree	Associate of Applied Science
Human Services Pre-Social Work Degree	Associate of Applied Science
Human Services	Certificate
PARALEGAL PROGRAM	
Paralegal	Associate of Applied Science
Paralegal Transfer	Associate of Applied Science
General Paralegal	Certificate
POLITICAL SCIENCE PROGRAM	
Political Science Designation	Associate of Arts[1]
PSYCHOLOGY DESIGNATION	
Psychology Designation	Associate of Arts[1]
Psychology Designation	Associate of Science[1]
SOCIOLOGY DESIGNATION	
Sociology Designation	Associate of Arts[1]

Anthropology

Associate of Arts Degree

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Anthropology

Anthropology Designation
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		
ANT 101	Cultural Anthropology: GT-SS3 [1]	3
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 135	Intro to Statistics: GT-MA1 [1,3]	3
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
COM 220	Intercultural Communication: GT-SS3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
HUM 115	World Mythology: GT-AH2	
MUS 120	Music Appreciation: GT-AH1	
PHI 114	Comparative Religions: GT-AH3	
THE 105	Theatre Appreciation: GT-AH1	
ART 110	Art Appreciation: GT-AH1	
LIT 205	Ethnic Literature: GT-AH2	
	Subtotal	15
Second Semester		
ANT 107	Introduction to Archaeology: GT-SS3	3
ENG 122	English Composition II: GT-CO2 [2]	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 111	General College Biology I with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
AST 101	Astronomy I with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
SOC 101	Introduction to Sociology I: GT-SS3	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
GEO 106	Human Geography: GT-SS2	
Choose One History Course (GT-HI1)		3
HIS 112	The World: 1500-Present: GT-HI1	
HIS 205	Women in World History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 250	African American History: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
	Subtotal	16
Third Semester		
ANT 111	Biological Anthropology with Lab: GT-SC1	4
Choose One Anthropology Course (GT-SS3)		3
ANT 215	Indians of North America: GT-SS3 (Choose One ANT Course (GT-SS3))	
ANT 225	Anthropology of Religion: GT-SS3	
ANT 250	Medical Anthropology: GT-SS3	
ANT 201	Introduction to Forensic Anthropology: GT-SS3	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	
GEY 112	Historical Geology with Lab: GT-SC1	
BIO 224	Genetics	
PHY 105	Conceptual Physics with Lab: GT-SC1	
BIO 116	Introduction to Human Disease: GT-SC2	
GEY 108	Geology of National Parks GT-SC2	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 246	Literature of Women: GT-AH2	
ART 111	Art History Ancient to Medieval: GT-AH1	
MUS 123	Survey of World Music: GT-AH1	
PHI 112	Ethics: GT-AH3	

SPA 211	Spanish Language III: GT-AH4	
HUM 121	Humanities: Early Civilization: GT-AH2	
Choose One Elective		3
AST 155	Astronomy of Ancient Cultures: GT-SC2	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
SPA 111	Spanish Language I [4]	
ANT 240	Environmental Anthropology	
ANT 255	Anthropology of Energy	
FRE 111	French Language I [4]	
	Subtotal	17
Fourth Semester		
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
WST 225	Women and Social Action: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
GEO 105	World Regional Geography: GT-SS2	
PSY 235	Human Growth and Development: GT-SS3	
WST 249	Women's Sexuality: GT-SS3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
POS 205	International Relations: GT-SS1	
SOC 207	Environmental Sociology: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
POS 225	Comparative Government: GT-SS1	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
ECO 201	Principles of Macroeconomics: GT-SS1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 112	Art History Renaissance to Modern: GT-AH1	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
SOC 205	Sociology of Family Dynamics: GT-SS3	
SPA 212	Spanish Language IV: GT-AH4	
LIT 259	Survey of African American Literature: GT-AH2	
PHI 218	Environmental Ethics: GT-AH3	
Choose One Elective		3
AEC 125	History of Architecture	
SPA 112	Spanish Language II	
WST 240	Goddesses and Women in Ancient World: GT-SS3	
PSY 226	Social Psychology: GT-SS3	
ANT 137	Southwest US Archaeology	
ENG 201	English Composition III: GT-CO3	
	Subtotal	12
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 One GT-MA1 course; prefer MAT 135: Introduction to Statistics, except: University of Colorado Denver requires either MAT 135: Introduction to Statistics or MAT 121: College Algebra; Western State Colorado University requires MAT 121: College Algebra.

4 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.

Criminal Justice

Associate of Arts Degree

Center for Career & Technical Education
CCD.edu/Criminal-Justice

Criminal Justice

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 110	Introduction to Criminal Justice: GT-SS3 [1]	3
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 135	Intro to Statistics: GT-MA1 [1,3]	3
Choose One Communications Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
Choose One Arts & Humanities Course (GT-AH1~AH4) [4]		3
ART 111	Art History Ancient to Medieval: GT-AH1	
ART 110	Art Appreciation: GT-AH1	
ART 112	Art History Renaissance to Modern: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
	Subtotal	15
Second Semester		
CRJ 125	Policing Systems	3
CRJ 145	Correctional Process	3
ENG 122	English Composition II: GT-CO2 [2]	3
SOC 101	Introduction to Sociology I: GT-SS3	3
Choose One Natural & Physical Sciences (GT-SC1~GT-SC2) [5]		4
ANT 101	Cultural Anthropology: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
POS 111	American Government: GT-SS1	
	Subtotal	16
Third Semester		
CRJ 127	Crime Scene Investigation	3
CRJ 205	Principles of Criminal Law	3
BIO 105	Science of Biology with Lab: GT-SC1	4
Choose One Elective		3
SOC 207	Environmental Sociology: GT-SS3	
SOC 231	Sociology of Deviant Behavior: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
ANT 201	Introduction to Forensic Anthropology: GT-SS3	
Choose One Arts & Humanities course (GT-AH1~GT-AH4) [4]		3
PHI 112	Ethics: GT-AH3	
PHI 111	Intro to Philosophy: GT-AH3	
HUM 121	Humanities: Early Civilization: GT-AH2	

LIT 205	Ethnic Literature: GT-AH2	
	Subtotal	16
Fourth Semester		
GEY 111	Physical Geology with Lab: GT-SC1	4
Choose One History Course (GT-HI1)		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
Choose One Social & Behavioral Sciences (GT-SS3)		3
POS 125	American State and Local Government: GT-SS1	
SOC 231	Sociology of Deviant Behavior: GT-SS3	
ANT 201	Introduction to Forensic Anthropology: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
Choose One Elective		3
POS 111	American Government: GT-SS1	
POS 125	American State and Local Government: GT-SS1	
PSY 217	Human Sexuality: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
SOC 231	Sociology of Deviant Behavior: GT-SS3	
	Subtotal	13
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 One GT Pathways course (GT-MA1), prefer MAT 135: Introduction to Statistics, except: Colorado Mesa University requires either MAT 120: Mathematics for the Liberal Arts or MAT 121: College Algebra; University of Northern Colorado requires MAT 135: Introduction to Statistics.

4 Must be from two different categories. (GT-AH1~GT-AH4)

5 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

Center for Career & Technical Education
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		
HUM 121	Humanities: Early Civilization: GT-AH2	3
ENG 121	English Composition I: GT-CO1	3
MAT 107	Career Math	3
SOC 215	Contemporary Social Problems: GT-SS3	3
BIO 116	Introduction to Human Disease: GT-SC2	3
	Subtotal	15
Second Semester		
CRJ 110	Introduction to Criminal Justice: GT-SS3	3
CRJ 125	Policing Systems	3
CRJ 145	Correctional Process	3
CRJ 205	Principles of Criminal Law	3
CRJ 236	CRJ Research Methods	3
	Subtotal	15
Third Semester		
CRJ 127	Crime Scene Investigation	3
CRJ 135	Judicial Function	3
CRJ 210	Constitutional Law	3
CRJ 230	Criminology	3
CRJ 231	Introduction to Forensic Science and Criminalistics	3
	Subtotal	15
Fourth Semester		
CRJ 257	Victimology	3
CRJ 275	Special Topics	3
PSM 110	School Violence	3
PSM 104	Introduction to Emergency Management	3
PSM 204	Terrorism, Intelligence, and Justice	3
	Subtotal	15
	Total Credits	60

Certificate

Center for Career & Technical Education
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 110	Introduction to Criminal Justice: GT-SS3 [1]	3
CRJ 125	Policing Systems	3
CRJ 145	Correctional Process	3
CRJ 205	Principles of Criminal Law	3
CRJ 236	CRJ Research Methods	3
	Subtotal	15
Second Semester		
Choose One Elective		3
CRJ 127	Crime Scene Investigation	
CRJ 135	Judicial Function	
CRJ 230	Criminology	
CRJ 231	Introduction to Forensic Science and Criminalistics	
CRJ 257	Victimology	
PSM 204	Terrorism, Intelligence, and Justice	
Choose One Elective		3
CRJ 127	Crime Scene Investigation	
CRJ 135	Judicial Function	
CRJ 230	Criminology	
CRJ 231	Introduction to Forensic Science and Criminalistics	
CRJ 257	Victimology	
CRJ 275	Special Topics	
PSM 204	Terrorism, Intelligence, and Justice	
Choose One Elective		3
CRJ 230	Criminology	
CRJ 135	Judicial Function	
CRJ 257	Victimology	
CRJ 127	Crime Scene Investigation	
CRJ 231	Introduction to Forensic Science and Criminalistics	
PSM 204	Terrorism, Intelligence, and Justice	
Choose One Elective		3
CRJ 230	Criminology	

CRJ 135	Judicial Function	
CRJ 257	Victimology	
CRJ 127	Crime Scene Investigation	
CRJ 231	Introduction to Forensic Science and Criminalistics	
PSM 204	Terrorism, Intelligence, and Justice	
Choose One Elective		3
CRJ 230	Criminology	
CRJ 135	Judicial Function	
CRJ 257	Victimology	
CRJ 127	Crime Scene Investigation	
CRJ 231	Introduction to Forensic Science and Criminalistics	
PSM 204	Terrorism, Intelligence, and Justice	
	Subtotal	15
	Total Credits	30

[1] Building Block Course

Human Services

Associate of Applied Science

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Human-Services

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

- Human Services Transfer Degree
- Human Services Pre-Social Work Degree

Human Services

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. The CCD human services program is accredited by the Council for Standards in Human Service Education (www.cshse.org).

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 121	English Composition I: GT-CO1 [1]	3
HSE 106	Survey of Human Services [1]	3
HSE 107	Interviewing Principles	3
HSE 108	Introduction to Therapeutic Systems [1]	3
MAT 135	Intro to Statistics: GT-MA1 [1,3]	3
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2	3
HSE 205	Human Services for Groups	3
HSE 206	Human Services for Families	3
HSE 226	Case Management for Human Services Practitioners	3
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
	Subtotal	15
Third Semester		
HSE 188	Human Services Practicum I [1]	4
Choose One Natural & Physical Sciences Course (GT-SC1)		4
AST 101	Astronomy I with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
LIT 115	Introduction to Literature I: GT-AH2	
Choose One Social & Behavioral Sciences Course (GT-SS1 or GT-SS2)		3
POS 105	Intro to Political Science: GT-SS1	
POS 111	American Government: GT-SS1	
GEO 105	World Regional Geography: GT-SS2	
GEO 106	Human Geography: GT-SS2	
Choose One History Course (GT-HI1) [2]		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
	Subtotal	17
Fourth Semester		
HSE 288	Human Services Practicum II	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 111	Art History Ancient to Medieval: GT-AH1	
ART 112	Art History Renaissance to Modern: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
HUM 115	World Mythology: GT-AH2	
PHI 112	Ethics: GT-AH3	
Choose One Social & Behavioral Course (GT-SS3)		3
PSY 235	Human Growth and Development: GT-SS3	
PSY 238	Child Development: GT-SS3	
SOC 101	Introduction to Sociology I: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
AST 102	Astronomy II with Lab: GT-SC1	
BIO 111	General College Biology I with Lab: GT-SC1	
GEO 111	Physical Geography: Landforms with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
CHE 101	Introduction to Chemistry I with Lab: GT-SC1	
GEY 112	Historical Geology with Lab: GT-SC1	
	Subtotal	14
	Total Credits	61

[1] Building Block Course

[2] Fulfills MSU Denver's Global Diversity requirement.

[3] Guaranteed Transfer Math Course: MAT 135 recommended.

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 121	English Composition I: GT-CO1 [1,4]	3
HSE 105	Introduction to Social Welfare [2]	3
HSE 106	Survey of Human Services [1]	3
MAT 135	Intro to Statistics: GT-MA1 [1,4]	3
Choose One Communications Course [4]		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2 [4]	3
HSE 107	Interviewing Principles [1]	3
HSE 108	Introduction to Therapeutic Systems [1]	3
POS 111	American Government: GT-SS1 [4]	3
PSY 101	General Psychology I: GT-SS3 [4]	3
	Subtotal	15
Third Semester		
BIO 105	Science of Biology with Lab: GT-SC1 [4]	4
HSE 205	Human Services for Groups	3
HSE 206	Human Services for Families	3
PSY 102	General Psychology II: GT-SS3 [4]	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
LIT 115	Introduction to Literature I: GT-AH2	
	Subtotal	16
Fourth Semester		
HSE 275	Special Topics	1
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 111	Art History Ancient to Medieval: GT-AH1	
ART 112	Art History Renaissance to Modern: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
HUM 115	World Mythology: GT-AH2	
PHI 112	Ethics: GT-AH3	
Choose One Natural & Physical Sciences (GT-SC1)		4
AST 101	Astronomy I with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
GEY 112	Historical Geology with Lab: GT-SC1	
Choose One Elective		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
Choose One Elective		3
SOC 101	Introduction to Sociology I: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
	Subtotal	14
	Total Credits	60

1 Building Block Course
2 Fulfills Global Diversity Requirement at MSU Denver
3 Fulfills Volunteer Experience Requirement
4 These courses are required prerequisites for admission to MSU Denver's social work program.

Certificate

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Human-Services

Human Services

The human services certificate prepares you for entry-level positions as social and human service assistants. All courses required for the human services certificate can also be applied to the Associate of Applied Science (A.A.S.) human services transfer degree or the A.A.S. human services pre-social work degree. Please consult with the human services department chair or an academic advisor to verify the transferability of courses.

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

COURSE MAP

Course	Title	Credits
First Semester		
HSE 106	Survey of Human Services [1]	3
HSE 107	Interviewing Principles [1]	3
HSE 108	Introduction to Therapeutic Systems [1]	3
Choose One GT Pathways Course		3
ENG 121	English Composition I: GT-CO1	
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
	Subtotal	12
Second Semester		
HSE 188	Human Services Practicum I	4
Choose One Human Services Course		3
HSE 105	Introduction to Social Welfare	
HSE 205	Human Services for Groups	
HSE 206	Human Services for Families	
HSE 226	Case Management for Human Services Practitioners	
Choose One Human Services Course		3
HSE 105	Introduction to Social Welfare	
HSE 205	Human Services for Groups	
HSE 206	Human Services for Families	
HSE 226	Case Management for Human Services Practitioners	
Choose One GT Pathways Course		3
ENG 122	English Composition II: GT-CO2	
SOC 101	Introduction to Sociology I: GT-SS3	
ANT 101	Cultural Anthropology: GT-SS3	
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
	Subtotal	13
	Total Credits	25

1 Building Block Course

Paralegal

Associate of Applied Science

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Paralegal

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

- Paralegal
- Paralegal Transfer Degree

Paralegal

The Associate of Applied Science in paralegal prepares you for entry into the paralegal field. Emphasis is placed on practical skills such as interviewing, research and document drafting.

NOTE: Due to accreditation standards and CCD's graduation requirement, beginning fall 2009 semester, CCD will accept a maximum of 2 CCCOnline PAR courses to apply toward the A.A.S. paralegal course requirements: PAR 115 and one PAR elective course. Please see a paralegal faculty advisor or your academic advisor for assistance.

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 121	English Composition I: GT-CO1 [1]	3
MAT 107	Career Math (or higher math course) [1]	3
PAR 115	Introduction to Law [1]	3
PAR 201	Civil Litigation [1]	3
Choose One Elective		3
PAR 116	Torts	
PAR 117	Family Law	
PAR 118	Contracts	
PAR 125	Property Law	
PAR 126	Administrative Law	
CIS 118	Introduction to PC Applications	
	Subtotal	15
Second Semester		
COM 115	Public Speaking	3
ENG 122	English Composition II: GT-CO2	3
PAR 202	Evidence	3
PAR 211	Legal Research [1]	3
Choose One Paralegal Course		3
PAR 205	Criminal Law	
PAR 206	Business Organizations	
PAR 208	Probate and Estates	
PAR 210	Sexual Orientation and the Law	
PAR 217	Environmental Law	
PAR 218	Bankruptcy Law	
	Subtotal	15
Third Semester		
PAR 209	Constitutional Law	3
PAR 212	Legal Writing [1]	3
Choose One Elective		3
PAR 116	Torts	
PAR 117	Family Law	
PAR 118	Contracts	
PAR 125	Property Law	
PAR 126	Administrative Law	
CIS 135	Complete PC Word Processing: Word	
Choose One Paralegal Course		3
PAR 205	Criminal Law	
PAR 206	Business Organizations	
PAR 208	Probate and Estates	
PAR 210	Sexual Orientation and the Law	
PAR 217	Environmental Law	
PAR 218	Bankruptcy Law	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
POS 105	Intro to Political Science: GT-SS1	
POS 111	American Government: GT-SS1	
SOC 101	Introduction to Sociology I: GT-SS3	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
HIS 247	20th Century World History: GT-HI1	
	Subtotal	15
Fourth Semester		
PAR 280	Internship	3
PAR 289	Capstone	3
Choose One Elective		3
PAR 116	Torts	
PAR 117	Family Law	
PAR 118	Contracts	
PAR 125	Property Law	
PAR 126	Administrative Law	
CIS 118	Introduction to PC Applications	
Choose One Elective		3
PAR 205	Criminal Law	
PAR 206	Business Organizations	
PAR 208	Probate and Estates	
PAR 210	Sexual Orientation and the Law	
PAR 217	Environmental Law	
CIS 135	Complete PC Word Processing: Word	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
LIT 115	Introduction to Literature I: GT-AH2	
	Subtotal	15
	Total Credits	60

[1] Building Block Course

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.

NOTE: Due to accreditation standards and CCD's graduation requirement, beginning fall 2009 semester, CCD will accept a maximum of two CCCOnline PAR courses to apply toward the A.A.S. paralegal course requirements: PAR 115 and one PAR elective course. Please see a paralegal faculty advisor or your academic advisor for assistance.

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		
COM 115	Public Speaking	3
ENG 121	English Composition I: GT-CO1 [1]	3
MAT 135	Intro to Statistics: GT-MA1 (Or any other Guaranteed Transfer Math Course (GT-MA1)) [1]	3
PAR 115	Introduction to Law [1]	3

Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 110	Art Appreciation: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
PHI 111	Intro to Philosophy: GT-AH3	
LIT 115	Introduction to Literature I: GT-AH2	
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2	3
PAR 201	Civil Litigation [1]	3
PAR 202	Evidence	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 111	Art History Ancient to Medieval: GT-AH1	
ART 112	Art History Renaissance to Modern: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
HUM 115	World Mythology: GT-AH2	
PHI 112	Ethics: GT-AH3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
POS 105	Intro to Political Science: GT-SS1	
SOC 101	Introduction to Sociology I: GT-SS3	
ECO 201	Principles of Macroeconomics: GT-SS1	
	Subtotal	15
Third Semester		
PAR 211	Legal Research	3
Choose One Elective		3
PAR 116	Torts	
PAR 117	Family Law	
PAR 118	Contracts	
PAR 125	Property Law	
PAR 126	Administrative Law	
CIS 135	Complete PC Word Processing: Word	
Choose One Paralegal Course		3
PAR 205	Criminal Law	
PAR 206	Business Organizations	
PAR 208	Probate and Estates	
PAR 210	Sexual Orientation and the Law	
PAR 217	Environmental Law	
PAR 218	Bankruptcy Law	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
AST 101	Astronomy I with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
POS 111	American Government: GT-SS1	
SOC 102	FYE Introduction to Sociology II: GT-SS3	
ECO 202	Principles of Microeconomics: GT-SS1	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
	Subtotal	16
Fourth Semester		
PAR 209	Constitutional Law	3
PAR 212	Legal Writing	3
Choose One Paralegal Course		3
PAR 116	Torts	
PAR 117	Family Law	
PAR 205	Criminal Law	
PAR 206	Business Organizations	
PAR 208	Probate and Estates	
PAR 217	Environmental Law	
Choose One History Course (GT-HI1)		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 121	U.S. History to Reconstruction: GT-HI1	
HIS 122	U.S. History Since the Civil War: GT-HI1	
HIS 236	US History Since 1945: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1)		3
AST 102	Astronomy II with Lab: GT-SC1	
AST 155	Astronomy of Ancient Cultures: GT-SC2	
GEY 112	Historical Geology with Lab: GT-SC1	
GEY 108	Geology of National Parks GT-SC2	
BIO 116	Introduction to Human Disease: GT-SC2	
BIO 103	Principles of Animal Biology: GT-SC2	
	Subtotal	15
Fifth Semester		
PAR 280	Internship	3
PAR 289	Capstone	3
	Subtotal	6
	Total Credits	67

[1] Building Block Course

Certificates

Center for Performing Arts, Behavioral & Social Sciences
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.

NOTE: Due to accreditation standards and CCD's graduation requirement, beginning fall 2009 semester, CCD will accept a maximum of two CCCOnline PAR courses to apply toward the paralegal certificate course requirements: PAR 115 and one PAR elective course. Please see your academic advisor for advising information on this program.

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 115	Introduction to Law [1]	3
PAR 201	Civil Litigation [1]	3
PAR 202	Evidence	3
PAR 211	Legal Research [1]	3
PAR 212	Legal Writing [1]	3
	Subtotal	15
Second Semester		
PAR 209	Constitutional Law	3
PAR 280	Internship	3
PAR 289	Capstone	3
Choose One Elective		3
CIS 135	Complete PC Word Processing: Word	
PAR 116	Torts	
PAR 117	Family Law	
PAR 118	Contracts	
PAR 125	Property Law	
PAR 126	Administrative Law	

Choose One Paralegal Course		3
PAR 205	Criminal Law	
PAR 206	Business Organizations	
PAR 208	Probate and Estates	
PAR 210	Sexual Orientation and the Law	
PAR 217	Environmental Law	
PAR 218	Bankruptcy Law	
	Subtotal	15
	Total Credits	30

[1] Building Block Course

Political Science

Associate of Arts Degree

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Poli-Sci

Political Science Designation

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		
ENG 121	English Composition I: GT-CO1 [1,2]	3
POS 105	Intro to Political Science: GT-SS1 [1]	3
MAT 135	Intro to Statistics: GT-MA1	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 112	Art History Renaissance to Modern: GT-AH1	
LIT 201	World Literature to 1600: GT-AH2	
LIT 212	American Literature After Civil War: GT-AH2	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 115	World Mythology: GT-AH2	
Choose One Elective		3
HIS 225	Colorado History: GT-HI1	
ANT 101	Cultural Anthropology: GT-SS3	
ECO 201	Principles of Macroeconomics: GT-SS1	
PHI 113	Logic: GT-AH3	
SOC 218	Sociology of Diversity: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
	Subtotal	15
Second Semester		
ECO 201	Principles of Macroeconomics: GT-SS1	3
ENG 122	English Composition II: GT-CO2 [2]	3
POS 111	American Government: GT-SS1	3
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 112	Art History Renaissance to Modern: GT-AH1	
LIT 201	World Literature to 1600: GT-AH2	
LIT 212	American Literature After Civil War: GT-AH2	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 115	World Mythology: GT-AH2	
Choose One Elective		3
HIS 247	20th Century World History: GT-HI1	
HIS 236	US History Since 1945: GT-HI1	
ECO 201	Principles of Macroeconomics: GT-SS1	
PHI 113	Logic: GT-AH3	
SOC 218	Sociology of Diversity: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
	Subtotal	15
Third Semester		
ECO 202	Principles of Microeconomics: GT-SS1	3
POS 225	Comparative Government: GT-SS1	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 111	General College Biology I with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
GEO 111	Physical Geography: Landforms with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
Choose One Elective		3
ART 110	Art Appreciation: GT-AH1	
MUS 123	Survey of World Music: GT-AH1	
LIT 225	Introduction to Shakespeare: GT-AH2	
SOC 215	Contemporary Social Problems: GT-SS3	
HIS 260	US Foreign Relations History: GT-HI1	
LIT 246	Literature of Women: GT-AH2	
Choose One Elective		3
PSY 205	Psychology of Gender: GT-SS3	
PSY 269	Psychology of Leadership	
COM 220	Intercultural Communication: GT-SS3	
COM 125	Interpersonal Communication	
COM 115	Public Speaking	
WST 240	Goddesses and Women in Ancient World: GT-SS3	
	Subtotal	16
Fourth Semester		
POS 205	International Relations: GT-SS1	3
POS 280	Internship	1
Choose One History Course (GT-HI1)		3
HIS 122	U.S. History Since the Civil War: GT-HI1	
HIS 112	The World: 1500-Present: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 249	History of Islamic Civilization: GT-HI1	
HIS 205	Women in World History: GT-HI1	
HIS 260	US Foreign Relations History: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 111	General College Biology I with Lab: GT-SC1	
ANT 111	Biological Anthropology with Lab: GT-SC1	
GEO 111	Physical Geography: Landforms with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
Choose One Elective		3
PSY 205	Psychology of Gender: GT-SS3	
PSY 269	Psychology of Leadership	
COM 220	Intercultural Communication: GT-SS3	
COM 125	Interpersonal Communication	
COM 115	Public Speaking	
WST 240	Goddesses and Women in Ancient World: GT-SS3	
	Subtotal	14
	Total Credits	60

[1] Building Block Course

[2] Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122

[3] One gtPathways mathematics course (GT-MA1), but not MAT 155 or 156

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

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Psychology

Psychology Designation

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 121	English Composition I: GT-CO1 [1,2]	3
Choose One Math Course based on your institutional transfer choice:		3-4
MAT 135	Intro to Statistics: GT-MA1 [1,3]	
MAT 121	College Algebra: GT-MA1	
PSY 101	General Psychology I: GT-SS3 [1]	3
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
MUS 120	Music Appreciation: GT-AH1	
ART 110	Art Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 103	Introduction to Film Art: GT-AH2	
	Subtotal	15-16
Second Semester		
ENG 122	English Composition II: GT-CO2	3
PSY 102	General Psychology II: GT-SS3	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
Choose One History Course (GT-HI1)		3
HIS 112	The World: 1500-Present: GT-HI1	
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 121	U.S. History to Reconstruction: GT-HI1	
HIS 122	U.S. History Since the Civil War: GT-HI1	
Choose One Social & Behavioral Science Course (GT-SS1~GTSS3)		3
PSY 235	Human Growth and Development: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
PSY 226	Social Psychology: GT-SS3	
PSY 231	Positive Psychology: GT-SS3	
PSY 255	Brain and Behavior	
PSY 265	Psychology of Personality: GT-SS3	
	Subtotal	16
Third Semester		
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
ART 111	Art History Ancient to Medieval: GT-AH1	
THE 215	Playwriting: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
SCI 155	Integrated Science with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course		3
PSY 235	Human Growth and Development: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
PSY 255	Brain and Behavior	
PSY 231	Positive Psychology: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
Choose One Course		3
PSY 235	Human Growth and Development: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
PSY 226	Social Psychology: GT-SS3	
PSY 231	Positive Psychology: GT-SS3	
PSY 205	Psychology of Gender: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
Choose One Psychology Course		3
PSY 249	Abnormal Psychology: GT-SS3	
PSY 235	Human Growth and Development: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
PSY 251	Introduction to Evolutionary Psychology	
PSY 238	Child Development: GT-SS3	
	Subtotal	16
Fourth Semester		
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
PHI 114	Comparative Religions: GT-AH3	
PHI 220	Philosophy of Death and Dying: GT-AH3	
Choose One Psychology Course		3
PSY 235	Human Growth and Development: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
PSY 226	Social Psychology: GT-SS3	
PSY 231	Positive Psychology: GT-SS3	
PSY 205	Psychology of Gender: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
WST 200	Introduction to Women`s Studies: GT-SS3	
SOC 220	Sociology of Religion: GT-SS3	
PSY 226	Social Psychology: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
SOC 216	Sociology Of Gender: GT-SS3	
ANT 107	Introduction to Archaeology: GT-SS3	
Choose One Psychology Course		4
PSY 249	Abnormal Psychology: GT-SS3	
PSY 235	Human Growth and Development: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	

PSY 265	Psychology of Personality: GT-SS3	
PSY 251	Introduction to Evolutionary Psychology	
PSY 238	Child Development: GT-SS3	
	Subtotal	13
	Total Credits	60-61

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122

3 One GT Pathways course (GT-MA1), prefer MAT 135: Introduction to Statistics, except: Colorado Mesa University requires either MAT 120: Mathematics for the Liberal Arts or MAT 121: College Algebra; Colorado State University – Pueblo prefers MAT 121: College Algebra; Fort Lewis College requires MAT 135: Intro to Statistics; University of Colorado Boulder requires MAT 121: College Algebra or higher; University of Colorado Colorado Springs requires MAT 121: College Algebra; Western State Colorado University requires MAT 121: College Algebra.

4 No more than two courses from any one category

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

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Psychology

Psychology Designation

COURSE MAP

Course	Title	Credits
First Semester		
PSY 101	General Psychology I: GT-SS3 [1]	3
MAT 121	College Algebra: GT-MA1 [1]	4
ENG 121	English Composition I: GT-CO1 [1,2]	3
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [3]		3
MUS 120	Music Appreciation: GT-AH1	
ART 110	Art Appreciation: GT-AH1	
THE 105	Theatre Appreciation: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 103	Introduction to Film Art: GT-AH2	
	Subtotal	16
Second Semester		
BIO 111	General College Biology I with Lab: GT-SC1	5
ENG 122	English Composition II: GT-CO2	3
PSY 102	General Psychology II: GT-SS3	3
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
PSY 235	Human Growth and Development: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
PSY 226	Social Psychology: GT-SS3	
PSY 231	Positive Psychology: GT-SS3	
PSY 255	Brain and Behavior	
PSY 265	Psychology of Personality: GT-SS3	
	Subtotal	14
Third Semester		
CHE 111	General College Chemistry I with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [3]		3
PHI 114	Comparative Religions: GT-AH3	
ART 111	Art History Ancient to Medieval: GT-AH1	
THE 215	Playwriting: GT-AH1	
PHI 220	Philosophy of Death and Dying: GT-AH3	
MUS 120	Music Appreciation: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
Choose One Elective		3
PSY 235	Human Growth and Development: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
PSY 226	Social Psychology: GT-SS3	
PSY 231	Positive Psychology: GT-SS3	
PSY 205	Psychology of Gender: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
Choose One Elective		3
PSY 265	Psychology of Personality: GT-SS3	
PSY 255	Brain and Behavior	
PSY 251	Introduction to Evolutionary Psychology	
PSY 238	Child Development: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
PSY 240	Health Psychology: GT-SS3	
	Subtotal	14
Fourth Semester		
Choose One Elective		3
PHI 111	Intro to Philosophy: GT-AH3	
PHI 112	Ethics: GT-AH3	
Choose One History Course (GT-HI1)		3
HIS 112	The World: 1500-Present: GT-HI1	
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 121	U.S. History to Reconstruction: GT-HI1	
HIS 122	U.S. History Since the Civil War: GT-HI1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 107	Introduction to Archaeology: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
SOC 220	Sociology of Religion: GT-SS3	
PSY 226	Social Psychology: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
SOC 216	Sociology Of Gender: GT-SS3	
Choose One Elective		3
PSY 265	Psychology of Personality: GT-SS3	
PSY 255	Brain and Behavior	
PSY 231	Positive Psychology: GT-SS3	
PSY 249	Abnormal Psychology: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
PSY 235	Human Growth and Development: GT-SS3	
Choose One Elective		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
SCI 155	Integrated Science with Lab: GT-SC1	
	Subtotal	16
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 Must be from two different categories (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

4 If you plan to transfer to University of Colorado Denver, you must take these courses.

5 If you are intending to transfer to University of Colorado Denver, you must take this elective.

6 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.

Sociology

Associate of Arts Degree

Center for Performing Arts, Behavioral & Social Sciences
CCD.edu/Sociology

Sociology Designation

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		
SOC 101	Introduction to Sociology I: GT-SS3 [1]	3
ENG 121	English Composition I: GT-CO1 [1,2]	3
MAT 135	Intro to Statistics: GT-MA1 [1,3]	3
Choose one Communication Class		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
HUM 115	World Mythology: GT-AH2	
MUS 120	Music Appreciation: GT-AH1	
PHI 114	Comparative Religions: GT-AH3	
THE 105	Theatre Appreciation: GT-AH1	
ART 110	Art Appreciation: GT-AH1	
LIT 205	Ethnic Literature: GT-AH2	
	Subtotal	15
Second Semester		
ENG 122	English Composition II: GT-CO2 [2]	3
SOC 102	FYE Introduction to Sociology II: GT-SS3	3
Choose One History Course (GT-HI1)		3
HIS 112	The World: 1500-Present: GT-HI1	
HIS 205	Women in World History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 250	African American History: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
GEO 112	Physical Geography - Weather and Climate with Lab: GT-SC1	
AST 101	Astronomy I with Lab: GT-SC1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
PSY 101	General Psychology I: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
GEO 106	Human Geography: GT-SS2	
	Subtotal	16
Third Semester		
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
LIT 246	Literature of Women: GT-AH2	
ART 111	Art History Ancient to Medieval: GT-AH1	
MUS 123	Survey of World Music: GT-AH1	
PHI 112	Ethics: GT-AH3	
SPA 211	Spanish Language III: GT-AH4	
HUM 121	Humanities: Early Civilization: GT-AH2	
Choose One Natural & Physical Sciences Course (GT-SC1)		4
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	
GEY 112	Historical Geology with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
BIO 116	Introduction to Human Disease: GT-SC2	
GEY 108	Geology of National Parks GT-SC2	
Choose One Sociology Course		3
SOC 218	Sociology of Diversity: GT-SS3	
SOC 231	Sociology of Deviant Behavior: GT-SS3	
SOC 207	Environmental Sociology: GT-SS3	
SOC 215	Contemporary Social Problems: GT-SS3	
SOC 237	Sociology of Death and Dying: GT-SS3	
SOC 220	Sociology of Religion: GT-SS3	
Choose One Sociology Course		3
SOC 205	Sociology of Family Dynamics: GT-SS3	
SOC 216	Sociology Of Gender: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
SOC 231	Sociology of Deviant Behavior: GT-SS3	
SOC 207	Environmental Sociology: GT-SS3	
SOC 215	Contemporary Social Problems: GT-SS3	
Choose One Elective		3
PSY 226	Social Psychology: GT-SS3	
SPA 111	Spanish Language I	
CRJ 110	Introduction to Criminal Justice: GT-SS3	
SOC 203	Urban Socio-Anthropology	
PSY 226	Social Psychology: GT-SS3	
SOC 265	Violence and Culture	
	Subtotal	16
Fourth Semester		
SOC 275	Special Topics	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 112	Art History Renaissance to Modern: GT-AH1	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
THE 211	Development of Theatre Greek to Renaissance: GT-AH1	
SPA 212	Spanish Language IV: GT-AH4	
LIT 259	Survey of African American Literature: GT-AH2	
PHI 218	Environmental Ethics: GT-AH3	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
WST 249	Women's Sexuality: GT-SS3	
ANT 225	Anthropology of Religion: GT-SS3	
WST 225	Women and Social Action: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
PSY 235	Human Growth and Development: GT-SS3	
PSY 217	Human Sexuality: GT-SS3	
Choose One Sociology Course		3
SOC 218	Sociology of Diversity: GT-SS3	
SOC 231	Sociology of Deviant Behavior: GT-SS3	
SOC 207	Environmental Sociology: GT-SS3	
SOC 215	Contemporary Social Problems: GT-SS3	
SOC 237	Sociology of Death and Dying: GT-SS3	

SOC 220	Sociology of Religion: GT-SS3	
	Subtotal	13
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

3 One GT Pathways course (GT-MA1)-prefer MAT 135: Introduction to Statistics, except: Adams State University prefers MAT 121: College Algebra; Colorado Mesa University requires either MAT 120: Mathematics for the Liberal Arts or MAT 121: College Algebra; University of Colorado Denver requires MAT 121: College Algebra or MAT 123: Finite Mathematics or MAT 135: Intro to Statistics; Western State Colorado University requires MAT 120: Math for Liberal Arts

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.

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 100 or higher (ex. MAT 121). 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 100s are designated for freshman level; 200s 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 100 (ex. CCR 092) 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 121 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 121-111 = Section 111 of English Composition I). This number is not indicative of the number of sections offered at CCD.

CERTIFICATES & 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

- Degrees with Designation Degrees
- Associate of Arts Degrees
- Associate of Science Degrees
- Associate of General Studies Degree
- Bachelor & Associate of Applied Science Degrees & Certificates

Degrees with Designation/Statewide Transfer Degrees

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), fermentation science, French, geography, geology, history, mathematics, music, philosophy, physics, political science, psychology (both A.A. and A.S.), sociology, Spanish, studio art, and theater.

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 Designation	Associate of Arts
Art History Designation	Associate of Arts
Studio Art Designation	Associate of Arts
Biology Designation	Associate of Science
Business Designation	Associate of Arts
Chemistry Designation	Associate of Science
Communication Designation	Associate of Arts
Criminal Justice Designation	Associate of Arts
Early Childhood Teacher Education Designation	Associate of Arts
Economics Designation	Associate of Arts
Elementary Education Designation	Associate of Arts
English-Literature Emphasis Designation	Associate of Arts
French Designation	Associate of Arts
Geography Designation	Associate of Arts
Geology Designation	Associate of Science
History Designation	Associate of Arts
Mathematics Designation	Associate of Science
Music Designation	Associate of Arts
Philosophy Designation	Associate of Arts
Physics Designation	Associate of Science
Political Science Designation	Associate of Arts
Psychology Designation	Associate of Arts
Psychology Designation	Associate of Science
Sociology Designation	Associate of Arts
Spanish Designation	Associate of Arts
Theatre Designation	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 Degree

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 121	English Composition I: GT-CO1 [1,2]	3
CCR 094	Studio 121	
SOC 102	FYE Introduction to Sociology II: GT-SS3	3
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
COM 220	Intercultural Communication: GT-SS3	
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
MUS 123	Survey of World Music: GT-AH1	
MUS 120	Music Appreciation: GT-AH1	
PHI 111	Intro to Philosophy: GT-AH3	
PHI 112	Ethics: GT-AH3	
THE 105	Theatre Appreciation: GT-AH1	
ART 110	Art Appreciation: GT-AH1	
Choose One Elective		3
HUM 115	World Mythology: GT-AH2	
LIT 115	Introduction to Literature I: GT-AH2	
HUM 123	Humanities: Modern World: GT-AH2	
SPA 111	Spanish Language I [6]	
FRE 111	French Language I [6]	
THE 111	Acting I	
	Subtotal	15

Second Semester

ENG 122	English Composition II: GT-CO2 [2]	3
Choose One Math Course		3
MAT 120	Math for Liberal Arts: GT-MA1	
MAT 135	Intro to Statistics: GT-MA1	
MAT 092	Quant Lab	
Choose One History Course (GT-HI1)		3
HIS 236	US History Since 1945: GT-HI1	
HIS 205	Women in World History: GT-HI1	
HIS 225	Colorado History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 247	20th Century World History: GT-HI1	
HIS 250	African American History: GT-HI1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 101	Cultural Anthropology: GT-SS3	
JOU 105	Introduction to Mass Media: GT-SS3	
ETH 200	Introduction to Ethnic Studies: GT-SS3	
POS 105	Intro to Political Science: GT-SS1	
PSY 101	General Psychology I: GT-SS3	
COM 220	Intercultural Communication: GT-SS3	
Choose One Elective		3
SOC 101	Introduction to Sociology I: GT-SS3	
ANT 225	Anthropology of Religion: GT-SS3	
GEO 105	World Regional Geography: GT-SS2	
ART 111	Art History Ancient to Medieval: GT-AH1	
FRE 112	French Language II [6]	
SPA 112	Spanish Language II [6]	
	Subtotal	15

Third Semester

Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
LIT 246	Literature of Women: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
HUM 121	Humanities: Early Civilization: GT-AH2	
HUM 103	Introduction to Film Art: GT-AH2	
SPA 211	Spanish Language III: GT-AH4	
FRE 211	French Language III: GT-AH4	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
CRJ 110	Introduction to Criminal Justice: GT-SS3	
PSY 265	Psychology of Personality: GT-SS3	
SOC 218	Sociology of Diversity: GT-SS3	
WST 200	Introduction to Women`s Studies: GT-SS3	
POS 205	International Relations: GT-SS1	
GEO 106	Human Geography: GT-SS2	
Choose One Natural & Physical Science Course		4
ANT 111	Biological Anthropology with Lab: GT-SC1	
BIO 105	Science of Biology with Lab: GT-SC1	
GEO 111	Physical Geography: Landforms with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
PHY 105	Conceptual Physics with Lab: GT-SC1	
Choose One Elective		3
PHI 114	Comparative Religions: GT-AH3	
ART 112	Art History Renaissance to Modern: GT-AH1	
MUS 121	Music History Medieval thru Classical Period: GT-AH1	
ENG 221	Creative Writing I GT-AH1	
PSY 255	Brain and Behavior	
Choose One Elective		3
PSY 226	Social Psychology: GT-SS3	
SOC 220	Sociology of Religion: GT-SS3	
ECO 201	Principles of Macroeconomics: GT-SS1	
POS 111	American Government: GT-SS1	
PSY 102	General Psychology II: GT-SS3	
WST 240	Goddesses and Women in Ancient World: GT-SS3	
	Subtotal	16

Fourth Semester

Choose One Guaranteed Transfer Elective (GT-AH1~GT-AH4, GT-SS1~GT-SS3, GT-HI1)		3
SPA 212	Spanish Language IV: GT-AH4	
FRE 212	French Language IV: GT-AH4	
LIT 202	World Literature After 1600: GT-AH2	
POS 205	International Relations: GT-SS1	
ECO 202	Principles of Microeconomics: GT-SS1	
PHI 220	Philosophy of Death and Dying: GT-AH3	
Choose One Natural & Physical Science Course		3
GEY 108	Geology of National Parks GT-SC2	
AST 155	Astronomy of Ancient Cultures: GT-SC2	
BIO 103	Principles of Animal Biology: GT-SC2	
BIO 116	Introduction to Human Disease: GT-SC2	
Choose One Elective Course		3
SOC 216	Sociology Of Gender: GT-SS3	
HIS 215	Women in U.S. History: GT-HI1	
MUS 123	Survey of World Music: GT-AH1	
MUS 122	Music History Romantic Period to Present: GT-AH1	
THE 108	Theatre Script Analysis: GT-AH1	
PSY 235	Human Growth and Development: GT-SS3	
Choose One Elective Course		3
PHI 113	Logic: GT-AH3	
ANT 107	Introduction to Archaeology: GT-SS3	
HUM 122	Humanities: Medieval-Modern: GT-AH2	
PSY 217	Human Sexuality: GT-SS3	
PHI 218	Environmental Ethics: GT-AH3	
LIT 205	Ethnic Literature: GT-AH2	
Choose One Elective Course		2
ART 207	Art History 1900 to Present: GT-AH1	
ENG 201	English Composition III: GT-CO3	
HIS 249	History of Islamic Civilization: GT-HI1	
PSY 265	Psychology of Personality: GT-SS3	
WST 225	Women and Social Action: GT-SS3	
POS 215	Current Political Issues: GT-SS1	
	Subtotal	14
	Total Credits	60

1 Building Block Course

2 Students can take ENG 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122.

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).

5 This course is 4 credit hours.

6 This course is 5 credit hours.

7 This course is 3 credit hours.

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 Degree

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 credit to a four-year institution or professional program.

COURSE MAP

Course	Title	Credits
First Semester		
ENG 121	English Composition I: GT-CO1 (or ENG 122 and a GT-CO3)	3
CCR 094	Studio 121	
SOC 102	FYE Introduction to Sociology II: GT-SS3	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
AST 102	Astronomy II with Lab: GT-SC1	
BIO 111	General College Biology I with Lab: GT-SC1	
CHE 111	General College Chemistry I with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
PHY 111	Physics Algebra-Based I with Lab: GT-SC1	
Choose One Mathematics Course (GT-MA1)		3-5
MAT 121	College Algebra: GT-MA1	
MAT 093	Algebra Lab	
MAT 166	Pre-Calculus: GT-MA1	
MAT 201	Calculus I: GT-MA1	
	Subtotal	13-16
Second Semester		
ENG 122	English Composition II: GT-CO2	3
PHI 113	Logic: GT-AH3	3
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
AST 102	Astronomy II with Lab: GT-SC1	
CHE 112	General College Chemistry II with Lab: GT-SC1	
BIO 112	Gen College Biology II with Lab: GT-SC1	
ENV 101	Environmental Science with Lab: GT-SC1	
GEY 111	Physical Geology with Lab: GT-SC1	
PHY 112	Physics Algebra-Based II with Lab: GT-SC1	
Choose One Mathematics Course (GT-MA1)		5
MAT 166	Pre-Calculus: GT-MA1	
MAT 201	Calculus I: GT-MA1	
	Subtotal	15-16
Third Semester		
Choose One History Course (GT-HI1)		3
HIS 101	Western Civilization: Antiquity-1650: GT-HI1	
HIS 102	Western Civilization: 1650-Present: GT-HI1	
HIS 111	The World: Antiquity-1500: GT-HI1	
HIS 205	Women in World History: GT-HI1	
HIS 244	History of Latin America: GT-HI1	
HIS 249	History of Islamic Civilization: GT-HI1	
Choose One Communication Course		3
COM 115	Public Speaking	
COM 125	Interpersonal Communication	
COM 220	Intercultural Communication: GT-SS3	
Choose One Science Elective Course (GT-SC1)		4-5
BIO 111	General College Biology I with Lab: GT-SC1	
BIO 201	Human Anatomy & Physiology with Lab I: GT-SC1	
CHE 111	General College Chemistry I with Lab: GT-SC1	
CHE 211	Organic Chemistry I with Lab	
PHY 111	Physics Algebra-Based I with Lab: GT-SC1	
PHY 211	Physics Calculus Based I with Lab: GT-SC1	
Choose One Mathematics Course (GT-MA1)		5
MAT 201	Calculus I: GT-MA1	
MAT 202	Calculus II: GT-MA1	
	Subtotal	15-16
Fourth Semester		
Choose One Arts & Humanities Course (GT-AH1) (GT-AH2) (GT-AH4)		3
ART 111	Art History Ancient to Medieval: GT-AH1	
LIT 205	Ethnic Literature: GT-AH2	
LIT 259	Survey of African American Literature: GT-AH2	
MUS 123	Survey of World Music: GT-AH1	
MUS 125	History of Jazz: GT-AH1	
Choose One Social & Behavioral Sciences Course (GT-SS1) (GT-SS2)		3
ECO 201	Principles of Macroeconomics: GT-SS1	
ECO 202	Principles of Microeconomics: GT-SS1	
GEO 105	World Regional Geography: GT-SS2	
GEO 106	Human Geography: GT-SS2	
POS 105	Intro to Political Science: GT-SS1	
POS 205	International Relations: GT-SS1	
Choose One Natural & Physical Sciences Course (GT-SC1)		4-5
BIO 112	Gen College Biology II with Lab: GT-SC1	
BIO 202	Human Anatomy & Physiology II with Lab: GT-SC1	
CHE 112	General College Chemistry II with Lab: GT-SC1	
CHE 212	Organic Chemistry II with Lab	
PHY 112	Physics Algebra-Based II with Lab: GT-SC1	
PHY 212	Physics Calculus-Based II with Lab: GT-SC1	
Choose One Mathematics Course (GT-MA1)		5
MAT 202	Calculus II: GT-MA1	
	Subtotal	15-16
	Total Credits	58-64

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		
COM 115	Public Speaking	3
OR		
COM 125	Interpersonal Communication	
OR		
COM 220	Intercultural Communication: GT-SS3	
ENG 121	English Composition I: GT-CO1 [1, 2]	3
MAT 120	Math for Liberal Arts: GT-MA1 [1, 3]	4
Choose One Arts & Humanities Course (GT-AH1~GT-AH4) [4]		3
Choose One Elective [6]		3
	Subtotal	16
Second Semester		
ENG 122	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 122 and an additional GT-CO3 course instead of ENG 121 and ENG 122
3. MAT 120 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 155 and SCI 156, both must be taken to fulfill the natural and physical science requirement
6. A minimum of 6 credits must be either 100 level Gt courses or 200 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.

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.

Bachelor & Associate of Applied Science Degrees & Certificates A-Z List

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
Digital Design Media	Associate of Applied Science
Sustainable Design	Associate of Applied Science
Contemporary Building Technology	Certificate
Digital Design Media	Certificate
Sustainable Design	Certificate
Revit	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
Retail Management	Certificate
BUSINESS TECHNOLOGY PROGRAM	
Administrative Professional	Associate of Applied Science
Healthcare Administration	Associate of Applied Science
Administrative Assistant	Certificate
Office Assistant	Certificate
Healthcare Administration	Certificate
COMPUTER INFORMATION SYSTEMS PROGRAM	
Computer Information Systems	Associate of Applied Science
Computer Technology	Certificate
Computer Information Systems Certificate in Cybersecurity	Certificate
CRIMINAL JUSTICE PROGRAM	
Criminal Justice	Associate of Applied Science
Homeland Security	Certificate
DENTAL HYGIENE PROGRAM	
Dental Hygiene	Associate of Applied Science
Dental Hygiene	Bachelor of Applied Science
EARLY CHILDHOOD EDUCATION PROGRAM	
Early Childhood Education	Associate of Applied Science
Early Childhood Education Director	Certificate
Early Childhood Education Teacher, Level I	Certificate
Early Childhood Education Teacher, Level II	Certificate
ENGINEERING GRAPHICS PROGRAM	
Inventor	Certificate
Solidworks	Certificate
Scanned Input 3D Modeling	Certificate
FABRICATION WELDING PROGRAM	
Fabrication Welder	Associate of Applied Science
Basic Welding	Certificate
Intermediate Welding	Certificate
ARC Welder	Certificate
Fabrication Welder	Certificate
FOOD, NUTRITION & WELLNESS PROGRAM	
Nutrition	Associate of Applied Science
Food, Nutrition & Wellness	Certificate
GRAPHIC DESIGN PROGRAM	
Graphic Design	Associate of Applied Science
Graphic Design	Certificate
HUMAN SERVICES PROGRAM	
Human Services Transfer Degree	Associate of Applied Science
Human Services Pre-Social Work Degree	Associate of Applied Science
Human Services	Certificate
INFORMATION TECHNOLOGY PROGRAM	
Information Technology	Associate of Applied Science
Computer Service and Support	Certificate
Healthcare	Certificate
Network Security	Certificate
JOURNALISM PROGRAM	
Multi-Media Journalism	Certificate
MACHINE TECHNOLOGY PROGRAM	
CNC Manufacturing	Associate of Applied Science
CNC Management	Associate of Applied Science
Basic Machining	Certificate
Intermediate Machining	Certificate
CNC Machine Tool Operator	Certificate
Industrial Maintenance Technologies	Certificate
Multi-Axis Lathe	Certificate
CNC Wire EDM	Certificate
Five Axis Milling Machine	Certificate
MEDICAL ASSISTING PROGRAM	
Medical Assisting	Associate of Applied Science
Medical Assisting	Certificate
Phlebotomy	Certificate
NURSING PROGRAMS	
Nurse Aide	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
SURGICAL TECHNOLOGY PROGRAM	
Surgical Technology	Associate of Applied Science
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.

Accounting (ACC)

ACC 101 | 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 115 | 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.

ACC 121 | 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 122 | 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 121 with a grade of C or better

ACC 125 | 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 101 or ACC 121 with a grade of C or better

Note: This class will be offered in the spring semester only.

ACC 131 | 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.

Prerequisite: ACC 101 or ACC 121 with a grade of C or better

Note: This class will be offered in the fall semester only.

ACC 132 | 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 133 | 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 132 with a grade of C or better

Note: This class will be offered in the spring semester only.

ACC 135 | 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 101 or ACC 121, and CIS 118 with a grade of C or better

Note: This class will be offered in the fall semester only.

ACC 216 | 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 121 and ACC 122 with a grade of C or better

Note: This class will be offered in the spring semester only.

ACC 226 | 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 121 and ACC 122 with a grade of C or better

Note: This class will be offered in the fall semester only.

ACC 280 | 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.

Prerequisite: ACC 121 and ACC 122 with a grade of C or better and instructor permission

Note: This class will be offered in the spring semester only.

Advanced Academic Achievement (AAA)

AAA 050 | Semester Survival
Lecture Credit: 2

Emphasizes basic study skills in order to bolster their chances of completing the current semester successfully.

AAA 090 | 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 101 | 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 109 | 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 175 | Special Topics
Lecture Credit: 0-12

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

American Sign Language (ASL)

ASL 121 | 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 122 if planning to enroll in the Interpreter Preparation Program.

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better, or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ASL 122 | 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 121 proficiency test at 80% or better prior to acceptance into the Interpreting and Transliterating Preparation program.

Prerequisite: Grade of C or better in ASL 121, or program chair permission.

ASL 123 | 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 122 with more emphasis on expressive skills in signing.

Prerequisite: Grade of C or better in ASL 122, or permission of program chair.

ASL 275 | Special Topics
Lecture Credit: 0-12

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

ASL 285 | 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: Program chair permission.

Anthropology (ANT)

ANT 101 | 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

ANT 107 | 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

ANT 111 | Biological Anthropology with Lab: GT-SC1
Lecture/Lab Credit: 4

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

ANT 126 | 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.

ANT 137 | 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.

ANT 175 | Special Topics
Lecture Credit: 1-12

Studies human cultural patterns and learned behavior. Includes linguistics, social and political organization, religion, culture and personality, culture change, and applied anthropology.

Prerequisite: This course may require prerequisites or permission of instructor

ANT 201 | Introduction to Forensic Anthropology: GT-SS3
Lecture Credit: 3

Studies the basic principles of forensic anthropology, an applied field within the discipline of physical anthropology. The course includes the study of the human skeleton, practical application of physical anthropology and archaeology, and judicial procedure, as they relate to the identification of human remains within a medico-legal context. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ANT 211 | Cultural Resource Management
Lecture Credit: 3

Introduces the cultural resources management requirements of the federal government. This course explores the history, purposes, and goals of historic preservation through an examination of cultural, archaeological, and historical resources of the American Southwest.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

ANT 215 | Indians 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: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ANT 225 | 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: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ANT 240 | 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: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ANT 250 | 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: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ANT 255 | 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: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ANT 260 | Sex, Gender, and Culture
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 masculinity, femininity, and sexuality, variations in the sexual division of labor and economic stratification, gender differences in ritual and religion, and the impact of gender issues in contemporary global culture change.

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ANT 275 | Special Topics
Lecture Credit: 0-12

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: This course may require prerequisites or permission of instructor

ANT 285 | 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: ENG 121 with a grade of C or better

Architecture/Engineering/ (AEC)

AEC 100 | 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 102 | 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 116 or AEC 121 or chair permission

AEC 104 | Architectural Drawing Theory
Studio Art Credit: 4

Print reading, construction assemblies, terminology, isometric drawings, orthographic projections and oblique sketching.

AEC 116 | 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 121 | 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 122 | 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 116 or AEC 121 or Chair Permission
Corequisite: AEC 121 or AEC 102 or Chair Permission

AEC 123 | 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 116 with a grade of C or better or with chair permission.
Corequisite: AEC 116 with a grade of C or better or with chair permission.

AEC 125 | 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 175 | Special Topics
Lecture Credit: 2-12

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

Prerequisite: This course requires chair permission.

AEC 205 | 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 121 with a grade of C or better or chair permission

AEC 215 | Elementary Site Planning
Lecture Credit: 3

Acquaints the student with basic surveying principles, building site analysis and associated drawings. Emphasis is placed on systems of land survey, topographical analysis, zoning and site requirements, and other factors that influence building site development. Students complete problems in building construction surveying.

Prerequisite: AEC 116 with a grade of C or better or chair permission

AEC 218 | 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 116 with a grade of C or better or with chair permission.

AEC 219 | 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 218 or chair permission

AEC 221 | Building Electrical/Mechanical Systems
Lecture Credit: 3

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

Prerequisite: AEC 123 with a grade of C or better or with chair permission.

AEC 225 | 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 115 or CAD 224 with a C or better; AEC 100, AEC 104 and AEC 116 with a grade of C or better, or with chair permission.

AEC 228 | Contracts and the Legal Environment
Lecture Credit: 3

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

Prerequisite: AEC 116 and AEC 121 with a grade of C or better or chair permission

AEC 236 | 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 116, AEC 102, or chair permission

AEC 275 | Special Topics
Lecture Credit: 3-6

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

Prerequisite: This course requires chair permission.

AEC 280 | 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 287 | 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: Permission of Chair

AEC 289 | 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 chair permission.

Arts (Visual) (ART)

ART 110 | 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 111 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ART 112 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ART 121 | Drawing I
Studio Art Credit: 3

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

ART 124 | Watercolor I
Studio Art Credit: 3

Provides on introduction to the basic techniques and unique aspects of materials involved in the use of either transparent or opaque water media or both. Color theory is included.

Prerequisite: ART 121 with a grade of C or better

ART 128 | Figure Drawing I
Studio Art Credit: 3

Introduces the basic techniques of drawing the human figure.

Prerequisite: ART 121 with a grade of C or better

ART 131 | 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 132 | Visual Concepts 3-D Design
Studio Art Credit: 3

Focuses on learning to apply the elements and principles of design to three dimensional problems.

Prerequisite: ART 131 with a grade of C or better

ART 134 | 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 138 | Film Photography I
Studio Art Credit: 3

Introduces black and white film photography as a fine art medium and develops skills necessary for basic camera and lab operations.

ART 139 | 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 151 | Painting I
Studio Art Credit: 3

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

Prerequisite: ART 131 with a grade of C or better

ART 175 | Special Topics
Lecture Credit: 0-12 Studio Art Credit: 0-12

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: This class can be taken either as a lecture or a studio art class.

ART 207 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

ART 221 | Drawing II
Studio Art Credit: 3

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

Prerequisite: ART 121 with a grade of C or better

ART 238 | Film Photography II
Studio Art Credit: 3

This course is a further exploration in film camera and lab operations with an emphasis on individual creativity. It includes the development of a comprehensive portfolio.

Prerequisite: ART 138 with a grade of C or better

ART 239 | 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 139 with a grade of C or better

ART 251 | Painting II
Studio Art Credit: 3

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

Prerequisite: ART 151 and ART 131 with a grade of C or better, or program chair permission

ART 252 | Painting III
Studio Art Credit: 3

Provides continued exploration of techniques, materials, and concepts used in opaque painting processes in oil or acrylic painting, with emphasis on composition and content development.

Prerequisite: ART 121 and ART 251 with a grade of C or better

ART 253 | Painting IV
Studio Art Credit: 3

Explores advanced techniques, materials, and concepts used in opaque painting processes, with emphasis on the development of themes and a cohesive body of work.

Prerequisite: ART 121 and ART 252 with a grade of C or better, or program chair permission

ART 255 | Mural Painting I
Studio Art Credit: 3

This course introduces the student to the history, techniques, materials and concepts of mural painting with an emphasis on composition and content development.

Prerequisite: ART 121, ART 131, and ART 151 with a grade of C or better, or instructor permission

ART 275 | Special Topics
Lecture Credit: 0-12 Studio Art Credit: 0-12

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

Prerequisite: This course may require prerequisites or permission of instructor

Note: This class can be taken either as a lecture or a studio art class.

ART 280 | 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.

Prerequisite: Instructor Permission

ART 285 | 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.

Prerequisite: Instructor permission

Astronomy (AST)

AST 101 | Astronomy I with Lab: 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

AST 102 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

AST 155 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

Biology (BIO)

BIO 103 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

BIO 105 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

BIO 106 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

BIO 111 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) and grade of C or better in MAT 050 or higher; or MAT 103 or higher as a corequisite; or equivalent math assessment score placement

BIO 112 | 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: BIO 111 with a grade of C or better

BIO 116 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

BIO 175 | Special Topics
Lecture Credit: 0-12

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

BIO 201 | 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: Demonstrated college readiness in both English and math (CCD.edu/CollegeReady).

BIO 202 | 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 201 with a grade of C or better

BIO 204 | 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: Grade of C or better in BIO 111 or BIO 201

BIO 208 | General College Microbiology with Lab GT-SC1
Lecture Credit: 4 Lab Credit: 1

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

Prerequisite: C or better in BIO 111

BIO 216 | 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 202 with a grade of C or better

BIO 220 | 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 111 or BIO 105 with a grade of C or better

BIO 221 | Botany I with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Studies nonvascular and vascular plants, emphasizing photosynthetic pathways, form and function, reproduction, physiology, genetics, diversity, evolution, and ecology. This course requires mandatory 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 111 with a grade of C or better

BIO 224 | 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 111 with a grade of C or better

BIO 228 | 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.

Prerequisite: Instructor permission

BIO 265 | 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.

Prerequisite: Grade of C or better in BIO 111

BIO 269 | 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.

Prerequisite: BIO 111 with a grade of C or better

BIO 275 | Special Topics
Lecture Credit: 0-12

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.

Prerequisite: This course may require prerequisites or permission of instructor

BIO 285 | 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.

Prerequisite: Variable

Business Administration (BUS)

BUS 110 | Working for Yourself
Lecture Credit: 2

Introduces small business start-up and offers practical training designed to provide students with a fundamental understanding of the special concerns of self-employment. The course also provides an overview of the subjects needed to become an entrepreneur, including financing, law, insurance, government regulations, record keeping, and taxes. Guest speakers with expertise in the various topics add to the weekly discussion.

BUS 115 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady) or CCR 092 with a grade of C or better
Corequisite: You may take this course with CCR 094

BUS 116 | 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 175 | Special Topics in Business
Lecture Credit: 1-3

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.

Prerequisite: This course may require prerequisites or permission of instructor

BUS 203 | 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.

Prerequisite: BUS 115 with a grade of C or better

BUS 216 | 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.

Prerequisite: BUS 115 or CIS 118 with a grade of C or better

BUS 217 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

BUS 226 | 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.

Prerequisite: Grade of C or better in BUS 115 and demonstrated college readiness in Reading and Math (CCD.edu/CollegeReady)

BUS 287 | 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 100 | Computer Keyboarding
Lecture Credit: 1

Designed for students who have minimal or no keyboarding skills. Introduces the touch method of keyboarding, as well as the basic operation and functions of the equipment. Emphasizes learning the alphanumeric keyboard, proper technique, and speed control.

BTE 102 | Keyboarding Applications I
Lecture/Lab Credit: 2

Designed for students with minimal keyboarding skills. Introduces letters, tables, memos, and manuscripts. Emphasizes speed and accuracy.

Prerequisite: BTE 100 with a grade of C or better, or instructor permission (keyboarding skills of 20 wpm)

BTE 103 | Keyboarding Applications II
Lecture/Lab Credit: 3

Reinforces basic keyboarding formats and procedures. Productivity and decision-making skills are exercised. Emphasizes speed and accuracy.

Prerequisite: BTE 102 with a grade of C or better (keyboarding skills of 30 wpm)

BTE 108 | 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.

BTE 111 | Keyboarding Speedbuilding I
Lecture/Lab Credit: 2

Designed to increase speed and improve accuracy in keyboarding on the PC through the use of correct techniques and concentrated effort.

Prerequisite: BTE 100 with a grade of C or better, or instructor permission

BTE 112 | Keyboarding Speedbuilding II
Lecture/Lab Credit: 2

Continues the skill building sets from BTE 111. This course is designed to further increase speed and improve accuracy in keyboarding on the PC through the use of correct techniques and concentrated effort.

Prerequisite: BTE 111 with a grade of C or better, or instructor permission

BTE 117 | Legal Terminology and Procedures
Lecture/Lab Credit: 3

Introduces legal terminology and its proper usage in legal documents, legal instruments, and legal correspondence. Emphasis will be placed on definition of legal terms and expressions, correct spelling of terms, correct pronunciation, proper usage in a legal context, and legal procedures. The student will gain a basic understanding of the various areas of the law and career opportunities.

BTE 120 | Introduction to Business Practices
Lecture/Lab Credit: 3

Examines business practices in the workplace.

BTE 125 | Records Management
Lecture/Lab Credit: 3

Instructs on how records are created, stored, and retrieved. Covers the basic filing rules - classifying, indexing, coding, storing, and retrieving as applied to basic methods - alphabetic, chronological, subject, numeric, and geographic. Emphasizes `hands-on` records management through the use of simulations, which includes manual and/or computer software.

BTE 156 | Business Mathematics with Calculators
Lecture/Lab Credit: 4

Covers basic business mathematics using the touch system on electronic calculators to solve business problems.

Prerequisite: Math assessment score of 30 (EA) or better or equivalent Math assessment score placements

BTE 187 | Cooperative Education/Internship
Internship Credit: 2

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 sites that are related to their program of study. They work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor/coordinator.

Prerequisite: Chair permission

BTE 225 | Office Management
Lecture/Lab Credit: 3

Emphasis is placed on functions of the office. Includes office organization, work in the office, office layout, equipment and supplies, procurement and control, work flow, forms design, record storage and retrieval systems, personnel administration and problems, and government control.

BTE 257 | Managing Office Technology
Lecture/Lab Credit: 3

Utilizes modern technological software applications to research, explore, and report on current concepts of the cooperative computing environment and how office productivity is affected by modern technology.

BTE 287 | Cooperative Education/Internship
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 sites that are related to their program of study. They work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor/coordinator.

Prerequisite: Chair permission

Note: This class will be offered in the fall semester only.

Chemistry (CHE)

CHE 101 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) and grade of C or better in MAT 055, MAT 099, MAT 120, or MAT 135; or equivalent Math assessment placement scores

CHE 109 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) and grade of C or better in MAT 055, MAT 099, MAT 120, or MAT 135; or equivalent Math assessment placement scores

Note: Recommended for health science career areas, specifically pre-dental hygiene.

CHE 111 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady); and corequisite or prerequisite in MAT 121 or a college level math score of 63 or better, or equivalent ACT/SAT scores

CHE 112 | 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 111 AND MAT 121 with a grade of C or better, or CHE 111 with a grade of C or better and with an English assessment score of 95 or better or a writing assessment equivalent placement score, and a Math assessment score of 63 (CLM) or better.

CHE 175 | Special Topics
Lecture Credit: 1-12

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

CHE 185 | 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.

Prerequisite: Variable

CHE 211 | Organic Chemistry I with Lab
Lecture Credit: 4 Lab Credit: 1

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 112 with a grade of C or better

CHE 212 | Organic Chemistry II with Lab
Lecture Credit: 4 Lab Credit: 1

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 211 with a grade of C or better

CHE 285 | 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.

Prerequisite: Variable

Chinese (CHI)

CHI 101 | Conversational Chinese I
Lecture Credit: 3

Introduces beginning students to conversational Chinese and focuses on understanding and speaking Chinese. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

CHI 102 | Conversational Chinese II
Lecture Credit: 3

Continues the sequence for students who wish to understand and speak Chinese. Covers basic conversational patterns, expressions, and grammar.

Prerequisite: CHI 101 with a grade of C or better

CHI 111 | 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.

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better, or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

CHI 112 | 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 111 with a grade of C or better, or a placement score of 282 or better.

CHI 211 | Chinese Language III
Lecture Credit: 3

Focuses on the further development of functional proficiency in listening, speaking, reading and writing the Chinese language

Prerequisite: CHI 112 with a grade of C or better, or a placement score of 346 or better

CHI 212 | Chinese Language IV
Lecture Credit: 3

Focuses on the further development of functional proficiency in listening, speaking, reading and writing the Chinese language. A continuation of Chinese III.

Prerequisite: CHI 211 with a grade of C or better, or a placement score of 404 or better.

CHI 275 | Special Topics
Lecture Credit: 0-12

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

CHI 285 | 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: Program chair permission

College Composition and Reading (CCR)

CCR 092 | Composition & Reading
Lecture Credit: 5

Integrates and contextualizes college level reading and writing.

CCR 093 | Studio D
Lecture Credit: 3

Integrates and contextualizes reading and writing strategies tailored to a co-requisite 100-level course within one or more of the four discipline strands. The four discipline strands are defined as Communications, Science, Social Science, and Arts and Humanities. Non-GT courses are not eligible for this consideration.

Prerequisite: Grade of C or better in CCR 092 or ENG 060 or REA 060 or ESL 053 or ESL 054 or equivalent English, Reading, and Writing assessment score placements.

CCR 094 | Studio 121
Lecture Credit: 3

Integrates and contextualizes reading and writing strategies tailored to co-requisite ENG 121 coursework.

Corequisite: ENG 121

Communication (COM)

COM 105 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 115 | 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.

Prerequisite: Recommended: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 125 | Interpersonal Communication
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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 126 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 130 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 175 | Special Topics
Lecture Credit: 0-12

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

COM 176 | Special Topics
Lecture Credit: 0-12

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

COM 215 | Gender Communication
Lecture Credit: 3

Examines contemporary theories and research in gendered communication. The course will involve reading and discussion in areas of gender differences in self-perception, social and media images of men and women, language usage and nonverbal behavior differences among genders. Relevant concepts include verbal communication, nonverbal communication, context, language, perception, and conflict.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 216 | Advanced Public Speaking
Lecture Credit: 3

Emphasizes the continued study of rhetorical theory and analysis as it relates to public speaking.

Prerequisite: COM 115 with a grade of C or better

COM 217 | Group Communication
Lecture Credit: 3

Examines group communication theories with an emphasis on leadership and group behaviors. The course provides opportunities for group participation.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 220 | 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 course is a part of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 225 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 226 | Oral Interpretation
Lecture Credit: 3

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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

COM 275 | Special Topics
Lecture Credit: 0-12

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

COM 280 | 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.

Prerequisite: Grade of C or better in ENG 121 AND Grade of C of better in COM 115, 125, or 220 AND Instructor Permission

COM 285 | 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: Instructor permission

Computer Assisted Design (CAD)

CAD 101 | 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 102 | 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 101 with a grade of C or better, or chair permission

CAD 108 | Introduction to MicroStation
Lecture/Lab Credit: 3

Introduces basic computer-aided drafting using the Bentley MicroStation software. Students learn specific computer-aided drafting methods. A final project incorporates the basic drafting techniques to the production of a small floor plan. Course employs a PC platform.

Corequisite: Chair Permission

CAD 115 | 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 153 | 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 101 with a grade of C or better, or chair permission

CAD 175 | Special Topics
Lecture/Lab Credit: 3

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

CAD 217 | 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.

Prerequisite: CAD 240 with a C or better or chair permission

CAD 219 | 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 222 | 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 227 with a grade of C or better, or chair permission

CAD 224 | Revit Architecture
Lecture 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 225 | 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 227 | 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 224 with a grade of C or better, or chair permission

CAD 240 | 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.

Prerequisite: CAD 101 with a grade of C or better, or chair permission

CAD 244 | 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 240 with a grade of C or better, or chair permission

CAD 246 | 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.

CAD 255 | 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.

Prerequisite: CAD 101 with a grade of C or better, or chair permission

CAD 259 | 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 255 with a grade of C or better, or chair permission

CAD 262 | 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 240 with a grade of C or better

CAD 264 | 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 262 with a grade of C or better

CAD 280 | 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: CAD 262 with a C or better

CAD 289 | Capstone
Lecture/Lab Credit: 6

A demonstrated culmination of learning within a given program of study.

Prerequisite: CAD 264 3D Scanning with a C or better

Computer Information Systems (CIS)

CIS 101 | Alternative I/O for Computers
Lecture Credit: 1

Focuses on teaching alternative methods for interacting with a computer. Individualized for each student, the course covers such programs as Dragon NaturallySpeaking, Dragon Dictate, or Job Access with Speech (JAWS). It is designed for students who have little or no previous computer experience.

CIS 110 | 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 114 | Computing for Health IT
Lecture Credit: 3

This is an introductory course in Computer Information Systems for Healthcare professionals. The focus of the class will be on computers as applied to Healthcare needs. The class will cover data representation, data communication, data storage, networking architecture and security. Network security will be covered as it relates to Electronic Health Records and Healthcare Privacy issues. The class will provide an introduction to computer programming and database management.

CIS 117 | 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.

Prerequisite: Grade of C or better in CCR 092 or equivalent English and writing assessment score placements; or CIS 110 with a grade of C or better; or instructor permission

CIS 118 | 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 124 | 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.

Prerequisite: CIS 118 with a grade of C or better

CIS 130 | 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 135 | 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.

Prerequisite: CIS 118 with a grade of C or better

CIS 136 | Microsoft Office Specialist Certification: Word
Lecture Credit: 1

Prepares students for the Microsoft Office Specialist certification examination for Word. Students use software to determine strengths and weaknesses and elect to review and prepare for either the Core or Expert level exam.

Prerequisite: BTE 103 or CIS 135 with a grade of C or better, or instructor permission based on prior experience

CIS 140 | Microsoft Outlook
Lecture Credit: 1

Introduces the functions used in Microsoft Outlook including e-mail messages, calendar, contacts, tasks, journals, and notes.

CIS 145 | 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.

Prerequisite: CIS 118 with a grade of C or better, or instructor permission

CIS 149 | Microsoft Office Specialist Certification Prep: Access
Lecture Credit: 1

Prepares students for the Microsoft Office Specialist certification examination for Access. Students use software to determine strengths and weaknesses and elect to review and prepare for the Core level Certification exam.

Prerequisite: CIS 145 with a grade of C or better, or instructor permission based on prior experience

CIS 155 | 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.

Prerequisite: CIS 118 with a grade of C or better, or instructor permission

CIS 159 | 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.

Prerequisite: CIS 155 with a grade of C or better, or instructor permission

CIS 165 | 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.

Prerequisite: CIS 118 with a grade of C or better, or instructor permission

CIS 169 | Microsoft Office Specialist Certification Prep: PowerPoint
Lecture Credit: 1

Prepares students for the Microsoft Office Specialist certification examination for PowerPoint. Students use software to determine strengths and weaknesses and elect to review and prepare for the Core level Certification exam.

Prerequisite: CIS 165 with a grade of C or better, or instructor permission based on prior experience

CIS 218 | 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.

Prerequisite: CIS 155 with a grade of C or better, and BTE 103 or CIS 135 with a grade of C or better, or instructor permission

CIS 220 | 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.

Prerequisite: CSC 119 with a grade of C or better, or CSC 119 as a corequisite, or instructor permission

CIS 240 | 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.

Prerequisite: CIS 118 with a grade of C or better

CIS 243 | 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.

Prerequisite: CSC 119 with a grade of C or better, or instructor permission

CIS 267 | 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.

Prerequisite: CIS 118 with a grade of C or better

CIS 287 | 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.

Prerequisite: Instructor permission

Computer Network Technologies (CNG)

CNG 104 | 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.

Prerequisite: CIS 118 with a grade of C or better, or instructor permission

CNG 116 | 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.

Prerequisite: CIS 118

CNG 120 | 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.

Prerequisite: CNG 116 with a grade of C or better, or CNG 116 as a corequisite

CNG 124 | 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.

Prerequisite: CIS 118 with a grade of C or better

CNG 125 | 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 124 with a grade of C or better, or CNG 124 as a corequisite

CNG 131 | 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 132 | 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.

Prerequisite: CNG 124 with a grade of C or better

CNG 201 | 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.

Prerequisite: CIS 118

CNG 209 | 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.

Prerequisite: CNG 124 with a grade of C or better

CNG 211 | 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: CIS 124 or CNG 124 with a grade of C or better, or instructor permission, or CIS 124 as a corequisite

CNG 256 | 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 132 with a grade of C or better or permission from the instructor
Corequisite: CNG 257

CNG 257 | 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 132 with a grade of C or better or permission of instructor
Corequisite: CNG 256

CNG 275 | Special Topics
Lecture Credit: 0-12

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

Prerequisite: This course may require prerequisites or permission of instructor

CNG 289 | Capstone
Lecture Credit: 3

Provides a demonstrated culmination of learning within a given program of study.

Prerequisite: Chair permission required.

Computer Science (CSC)

CSC 105 | 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 119 | 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.

Prerequisite: Demonstrated college readiness in math (CCD.edu/CollegeReady)
Corequisite: CIS 118 or instructor permission

CSC 150 | Visual Basic Programming: 6.0
Lecture Credit: 3

Introduces programming and applications development for the Microsoft Windows Programming environment using Visual Basic 6.0.

Prerequisite: CSC 119 with a grade of C or better, or instructor permission

CSC 160 | 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: Grade of C or better in MAT 121, math assessment score of 63 (CLM) or better, or equivalent ACT/SAT scores

CSC 161 | 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 160 with a grade of C or better, or instructor permission

CSC 175 | Special Topics
Lecture Credit: 2-12

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

CSC 217 | Advanced Python Programming
Lecture Credit: 3

Continues program development and problem-solving not covered in CSC119: Introduction to Programming. Students will create larger programs in the areas of advanced expression, iterator objects, parsing, and GUI applications.

CSC 240 | 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 119 with a grade of C or better, or instructor permission

CSC 246 | 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 119 with a grade of C or better

Computer Web Base (CWB)

CWB 110 | 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.

Prerequisite: CIS 118 with a grade of C or better, or CIS 118 as a corequisite, or instructor permission

CWB 125 | Introduction to Technical Applications
Lecture Credit: 3

Introduces the student to the more common scripting languages used in web development. This allows for the development of dynamic, interactive and responsive web pages. Both client-side and server-side scripting is introduced. Using topics learned in this course, the student will be able to develop web pages that look, feel and have the usability of desktop applications.

Prerequisite: CWB 110 with a grade of C or better, or CWB 110 as a corequisite, or instructor permission

CWB 130 | 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.

Prerequisite: CIS 118 with a grade of C or better, or CIS 118 as a corequisite, or instructor permission

CWB 204 | 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 110 with a grade of C or better, or CWB 110 as a corequisite, or instructor permission

CWB 206 | 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.

Corequisite: CIS 145

CWB 275 | Special Topics
Lecture Credit: 3

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

Criminal Justice (CRJ)

CRJ 110 | 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 112 | 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 110 with a grade of C or better

CRJ 125 | 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 127 | 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 135 | 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.

Prerequisite: CRJ 110 with a grade of C or better

CRJ 145 | 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 146 | 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 152 | 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 201 | 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 205 | 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 209 | 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 210 | 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 230 | 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 231 | 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 236 | 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 257 | 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 275 | Special Topics
Lecture Credit: 0-12

Provides students with the ability to pursue in depth exploration of special topics of interest.

Dental Hygiene (DEH)

DEH 100 | Dental Hygiene Basics and Terminology
Lecture Credit: 1

Introduces incoming dental hygiene students to the terminology they will need to build upon as they progress through the program. This includes dental terminology with specific relevance to dental hygiene, HIPAA and its legal basis, procedures and protocols relevant to a dental hygiene school setting including rudimentary ethical considerations.

Prerequisite: Admission into the Dental Hygiene Program

DEH 101 | 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: DEH 100 with a grade of C or better
Corequisite: DEH 102, DEH 103, DEH 104, DEH 111, DEH 116, and DEH 123

DEH 102 | Preclinical Dental Hygiene Care
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: DEH 100 with a grade of C or better
Corequisite: DEH 101, DEH 103, DEH 104, DEH 111, DEH 116, and DEH 123

DEH 103 | 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: DEH 100 with a grade of C or better
Corequisite: DEH 101, DEH 102, DEH 104, DEH 111, DEH 116, and DEH 123

DEH 104 | Dental Radiology
Lecture/Lab Credit: 3

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: DEH 100 with a grade of C or better
Corequisite: DEH 101, DEH 102, DEH 103, DEH 111, DEH 116, and DEH 123

DEH 111 | 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: DEH 100 with a grade of C or better
Corequisite: DEH 101, DEH 102, DEH 103, DEH 104, DEH 116, and DEH 123

DEH 116 | Preventive Dentistry and Special Needs Patients
Lecture Credit: 2

Focuses on application of the basic sciences in maintaining healthy oral tissues for all patient populations. Emphasizes plaque and plaque related diseases and the basic philosophy involved in controlling and/or preventing disease. Addresses the role of the dental hygienist in etiology, epidemiology of disease, primary preventive efforts, oral health education, nutrition and dietary measures, and preventive agents.

Prerequisite: DEH 100 with a grade of C or better
Corequisite: DEH 101, DEH 102, DEH 103, DEH 104, DEH 111, and DEH 123

DEH 122 | 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: DEH 101, DEH 102, DEH 103, DEH 104, DEH 111, DEH 116, and DEH 123 with a grade of C or better
Corequisite: DEH 126, DEH 132, DEH 153, DEH 170, and DEH 213

DEH 123 | 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: DEH 100 with a grade of C or better
Corequisite: DEH 101, DEH 102, DEH 103, DEH 104, DEH 111, and DEH 116

DEH 126 | 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: DEH 101, DEH 102, DEH 103, DEH 104, DEH 111, DEH 116, and DEH 123 with a grade of C or better
Corequisite: DEH 122, DEH 132, DEH 153, DEH 170, and DEH 213

DEH 132 | 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: DEH 101, DEH 102, DEH 103, DEH 104, DEH 111, DEH 116, and DEH 123 with a grade of C or better
Corequisite: DEH 122, DEH 126, DEH 153, DEH 170, and DEH 213

DEH 133 | Local Anesthesia
Lecture Credit: 1 Lab Credit: 1

Provides a working knowledge of the theory and practice of local anesthesia as applied to the practice of dentistry/dental hygiene. Emphasizes mastery of the armamentarium and techniques of regional anesthesia. Covers the knowledge and skills necessary to administer local anesthetics proficiently and safely.

Prerequisite: DEH 122, DEH 126, DEH 132, DEH 153, DEH 170, and DEH 213 with a grade of C or better
Corequisite: DEH 138, DEH 150, and DEH 171

DEH 138 | Nitrous Oxide/Oxygen Sedation
Lecture Credit: .5 Lab Credit: .5

Provides a working knowledge of the latest equipment and methods of nitrous oxide/oxygen sedation administration in the dental office.

Prerequisite: DEH 122, DEH 126, DEH 132, DEH 153, DEH 170, and DEH 213 with a grade of C or better
Corequisite: DEH 133, DEH 150, and DEH 171

DEH 150 | 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: DEH 122, DEH 126, DEH 132, DEH 153, DEH 170, and DEH 213 with a grade of C or better
Corequisite: DEH 133, DEH 138, and DEH 171

DEH 153 | 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: DEH 101, DEH 102, DEH 103, DEH 104, DEH 111, DEH 116, and DEH 123 with a grade of C or better
Corequisite: DEH 122, DEH 126, DEH 132, DEH 170, and DEH 213

DEH 170 | 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: DEH 101, DEH 102, DEH 103, DEH 104, DEH 111, DEH 116, and DEH 123 with a grade of C or better
Corequisite: DEH 122, DEH 126, DEH 132, DEH 153, and DEH 213

DEH 171 | 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: DEH 122, DEH 126, DEH 132, DEH 153, DEH 170, and DEH 213 with a grade of C or better
Corequisite: DEH 133, DEH 138, and DEH 150

DEH 175 | Special Topics
Lecture Credit: 1-12

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

Prerequisite: This course may require prerequisites or permission of instructor

DEH 202 | 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: DEH 133, DEH 138, DEH 150, and DEH 171 with a grade of C or better
Corequisite: DEH 204, DEH 242, DEH 268, and DEH 270

DEH 204 | 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: DEH 133, DEH 138, DEH 150, and DEH 171 with a grade of C or better
Corequisite: DEH 202, DEH 242, DEH 268, and DEH 270

DEH 213 | 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: DEH 101, DEH 102, DEH 103, DEH 104, DEH 111, DEH 116, and DEH 123 with a grade of C or better
Corequisite: DEH 122, DEH 126, DEH 132, DEH 153, and DEH 170

DEH 221 | 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: DEH 202, DEH 204, DEH 242, DEH 268, and DEH 270 with a grade of C or better
Corequisite: DEH 225, DEH 271, DEH 282, and DEH 285

DEH 225 | 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: DEH 202, DEH 204, DEH 242, DEH 268, and DEH 270 with a grade of C or better
Corequisite: DEH 221, DEH 271, DEH 282, and DEH 285

DEH 242 | 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: DEH 133, DEH 138, DEH 150, and DEH 171 with a grade of C or better
Corequisite: DEH 202, DEH 204, DEH 268, and DEH 270

DEH 266 | 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: Third-semester DEH coursework with a grade of C or better
Corequisite: Fourth-semester DEH course work

DEH 268 | 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: DEH 133, DEH 138, DEH 150, and DEH 171 with a grade of C or better
Corequisite: DEH 202, DEH 204, DEH 242, and DEH 270

DEH 270 | 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: DEH 133, DEH 138, DEH 150, and DEH 171 with a grade of C or better
Corequisite: DEH 202, DEH 204, DEH 242, and DEH 268

DEH 271 | Clinical Practice of Dental Hygiene III
Clinical Credit: 7

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: DEH 202, DEH 204, DEH 242, DEH 268, and DEH 270 with a grade of C or better
Corequisite: DEH 221, DEH 225, DEH 282, and DEH 285

DEH 282 | 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: DEH 202, DEH 204, DEH 242, DEH 268, and DEH 270 with a grade of C or better
Corequisite: DEH 221, DEH 225, DEH 271, and DEH 285

DEH 285 | 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: DEH 202, DEH 204, DEH 242, DEH 268, and DEH 270 with a grade of C or better
Corequisite: DEH 221, DEH 225, DEH 271, and DEH 282

Note: Students must receive a B or better in this course.

DEH 301 | 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: Students must be enrolled in the Bachelor of Applied Science in Dental Hygiene program.

DEH 302 | 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: Students must be enrolled in the Bachelor of Applied Science in Dental Hygiene program.

DEH 345 | 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: Students must be enrolled in the Bachelor of Applied Science in Dental Hygiene program.

DEH 355 | 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: Grade of C or better in DEH 301 and DEH 302

DEH 375 | Special Topics
Lecture Credit: 2

Provides student with a vehicle to pursue in depth exploration of a special topic of interest.

Prerequisite: This course may require prerequisites or permission of instructor

DEH 387 | 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: Grade of C or better in DEH 301 and DEH 302

DEH 475 | Special Topics
Lecture Credit: 1

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

DEH 481 | Public Health 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: Grade of C or better in DEH 325 and DEH 425

DEH 482 | Public Health 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: Grade of C or better in DEH 481

Dietetic Technology (DIT)

DIT 121 | Nutrition for Dietary Managers
Lecture Credit: 4

Focuses on the study of normal nutrition in the individual, nutrition education, nutritional assessment, care plans, principles of therapeutic nutrition, diet modification, and quality assurance for clinical nutrition services. This course is part of the Association of Nutrition and Foodservice Professionals accredited training program for the Certified Dietary Manager, Certified Food Protection Professional (CDM, CFPP).

Prerequisite: Program Chair Approval

DIT 123 | Management for Dietary Managers
Lecture Credit: 4

Focuses on the study of foodservice, sanitation and safety, personnel and communications, and business operations required to manage a foodservice department located in continuous care retirement communities, long-term care facilities, hospitals, schools, and correctional institutions. This course is part of the Association of Nutrition and Foodservice Professionals accredited training program for the Certified Dietary Manager, Certified Food Protection Professional (CDM, CFPP).

Prerequisite: Program Chair Approval

DIT 180 | Field Experience: Nutrition
Internship Credit: 2

Offers field experience in the study and application of nutrition therapy through modified diets, nutrition screening and nutrition assessments. This course is part of the Association of Nutrition and Foodservice Professionals accredited training program for the Certified Dietary Manager, Certified Food Protection Professional (CDM, CFPP).

Prerequisite: Program Chair Approval

DIT 181 | Field Experience: Human Resources Management
Internship Credit: 1

Offers field experience in the study and application of personnel management, policies, and evaluation and communication within a foodservice department. This course is part of the Association of Nutrition and Foodservice Professionals accredited training program for the Certified Dietary Manager, Certified Food Protection Professional (CDM, CFPP).

Prerequisite: Program Chair Approval

DIT 182 | Field Experience: Sanitation and Management of Food Systems
Internship Credit: 1

Offers field experience in the study and application of sanitation principles, food protection, Hazard Analysis and Critical Control Point (HACCP) guidelines, and safety inspections of food preparation equipment and use by employees to meet regulatory guidelines in a foodservice department. This course is part of the Association of Nutrition and Foodservice Professionals accredited training program for the Certified Dietary Manager, Certified Food Protection Professional (CDM, CFPP).

Prerequisite: Program Chair Approval

Early Childhood Education (ECE)

ECE 101 | 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 102 | 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.

Corequisite: ECE 101

Note: A background check will be required for this course.

ECE 103 | Guidance Strategies for Young Children
Lecture Credit: 3

Explores guidance theories, applications, goals, and techniques, as well as factors that influence behavioral expectations of children. This course includes classroom management and pro-social skills development of young children in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

ECE 108 | 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 111 | Infant and Toddler Theory and Practice
Lecture Credit: 3

Presents an overview of theories, applications (including observations), and issues pertinent to infant and toddler development in group and/or family settings. Includes state requirements for licensing, health, safety and nutrition. Focuses on birth through age three.

ECE 112 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 188 | Practicum: Early Childhood Education
Practicum Credit: 0-12

Provides students with field experience in early childhood programs.

Prerequisite: Grade of C or better in CCR 092, ENG 060, or equivalent English & writing assessment score placements.

Note: A background check will be required for this course.

ECE 205 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 209 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 220 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 226 | Creativity and the Young Child
Lecture Credit: 3

Provides an emphasis on encouraging and supporting creative self expression and problem solving skills in children. Explores creative learning theories and research. Focuses on developmentally appropriate curriculum strategies in all developmental domains. Addresses ages birth through age 8.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 228 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 236 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better
Corequisite: ECE 238

ECE 238 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better
Corequisite: ECE 236

Note: This course has an early childhood laboratory component.

ECE 240 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 241 | Administration: Human Relations for Early Childhood Education
Lecture Credit: 3

Focuses on the human relations component of an early childhood professional's responsibilities. Includes director-staff relationships, staff development, leadership strategies, parent-professional partnerships and community interaction.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 256 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 260 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

ECE 275 | Special Topics
Lecture Credit: 1-6

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

Prerequisite: This course may require prerequisites or permission of instructor

ECE 288 | Practicum: Early Childhood Education
Practicum Credit: 3

Provides students with advanced field experience opportunities in early childhood education programs.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady) or ECE 101 or ECE 103 with a grade of C or better

Note: This class will be offered in the spring semester only.

Economics (ECO)

ECO 175 | Special Topics
Lecture Credit: 2-12

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

ECO 201 | 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.

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

ECO 202 | Principles of Microeconomics: GT-SS1
Lecture Credit: 3

Studies the firm, the nature of cost, and how these relate to the economy as a whole. Analyzes economic models of the consumer, perfect competition, monopoly, oligopoly and monopolistic competition. Explores economic issues including market power, population growth, positive and negative externalities, income distribution, poverty and welfare, discrimination, and international economic interdependence. This course is one of the Statewide Guaranteed Transfer courses. GT-SS1

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

Education (EDU)

EDU 187 | 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 188 | 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 221 | 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. Includes current issues of educational reform, technology as it relates to education and considerations related to becoming a teacher in the state of Colorado. Special interest will be paid to the topic of diversity in the K-12 school system.

Prerequisite: Grade of C or better in CCR 092, ENG 060 and REA 060, or equivalent English and writing assessment score placements; and grade of C or better in MAT 060 or equivalent Math assessment score placement

EDU 222 | Effective Teaching
Lecture Credit: 1

Focuses on strategies for becoming an effective teacher. Topics include course goals and objectives, the first day, planning a lesson, higher levels of thought, test design and grading, assessment, and teaching and learning styles.

EDU 230 | 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 231 | Introduction to Bilingual Education
Lecture Credit: 4

Focuses on bilingual and multicultural education with emphasis on the linguistically and culturally diverse learner. Covers historical perspectives, philosophical frameworks, legal implications, subject matter methodologies and current issues which impact bilingual educational programs.

EDU 232 | Literacy in the Multicultural/Multilingual Classroom
Lecture Credit: 3

Introduces students to the theories, methods, and techniques for teaching reading and language to children from diverse cultural and linguistic backgrounds. Includes field experience applying coursework with children.

EDU 233 | 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 242 | Expressive Arts in the Elementary Classroom
Lecture Credit: 3

Explores the integration of visual arts, music, and physical education/ movement into the self-contained elementary classroom curriculum based upon the theory of multiple intelligences. Familiarizes the student with the Colorado Model Content Standards for each area, basic curriculum development, and the opportunities to practice their skills with students through field experiences.

EDU 250 | 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.

Prerequisite: Program chair permission

EDU 260 | Adult Learning and Teaching
Lecture Credit: 3

Examines the philosophy of community colleges and/or secondary schools and the roles and responsibilities of the faculty member within the college/ school community. Introduces basic instructional theories and applications, with particular emphasis on adult learners. Includes syllabus development, learning goals and outcomes, and lesson plans. Emphasizes teaching to a diverse student body, classroom management, assessment and instructional technology.

Prerequisite: Program chair permission

EDU 261 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/ CollegeReady)

EDU 289 | Capstone
Lecture Credit: 12

Focuses on a demonstrated culmination of learning within a given program of study.

Engineering (EGG)

EGG 106 | 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 151 | 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: EGG 106

Engineering Graphics Technology (EGT)

EGT 103 | 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 101 with a grade of C or better, or instructor permission

EGT 106 | Introduction to Axonometric Views
Lecture/Lab Credit: 3

Introduces the principles of pictorial practices. Covers axonometric projection (isometric, oblique/cabinet and cavalier) and perspective drawing (one and two point perspectives).

Prerequisite: EGT 103 with a grade of C or better, or instructor permission

EGT 107 | Introduction to Sections and Auxiliary Views
Lecture/Lab Credit: 3

Introduces the principles of how parts are represented in 2D space by using sectional views of parts to clarify internal detail, and projection of inclined plains that need to be shown in their true shape and size.

Prerequisite: EGT 103 with a grade of C or better, or instructor permission

EGT 160 | Introduction to Industrial Drafting and Design
Lecture/Lab Credit: 3

Introduces the drafting principles that are expected to be understood by drafters in both the mechanical and architectural disciplines.

Prerequisite: CAD 102 with a grade of C or better, or instructor permission

EGT 205 | 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: EGT 160 with a grade of C or better, or instructor permission

EGT 280 | 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.

EGT 289 | Capstone
Lecture Credit: 0-12

A demonstrated culmination of learning within a given program of study.

Engineering Technology (ENT)

ENT 275 | Special Topics
Lecture Credit: 3

Allows flexible utilization and covers specific topics and current issues in the Engineering Technology field. Includes "as-needed" for credit appropriate to the topic(s) selected. Each individual offering of this course includes a complete description of the topic(s) selected in a course syllabus unique to that particular offering.

Prerequisite: This course may require prerequisites or permission of instructor

English (ENG)

ENG 121 | 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 121 for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT- CO1 category.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

ENG 122 | 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 122 for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT - CO2 category.

Prerequisite: ENG 121 with a grade of C or better, or ACTE score of 26 or better, or SATV score of 600 or better

ENG 131 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

ENG 175 | Special Topics
Lecture Credit: 0-12

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

ENG 201 | 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 201 for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT- CO3 category.

Prerequisite: ENG 122 with a grade of C or better, or instructor permission

ENG 221 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

ENG 222 | Creative Writing II
Lecture Credit: 3

Provides continued development of written expression in such forms as poetry, fiction, and/or nonfiction writing.

Prerequisite: ENG 221 with a grade of C or better, or instructor permission

ENG 226 | Fiction Writing
Lecture Credit: 3

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

Prerequisite: ENG 221 with a grade of C or better, or instructor permission

ENG 227 | Poetry Writing
Lecture Credit: 3

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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

ENG 230 | 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.

Prerequisite: ENG 221 with a grade of C or better, or instructor permission

ENG 275 | Special Topics
Lecture Credit: 0-12

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

ENG 285 | 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: Instructor permission

English As A Second Language (ESL)

ESL 001 | Spelling
Lecture Credit: 3

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

Prerequisite: ESL 041 or ESL 071 with a grade of C or better, or LOEP Reading Score of 50+

ESL 011 | Basic Pronunciation
Lecture Credit: 3

Provides listening and speaking activities that help students recognize and produce English vowel and consonant sounds and common stress and intonation patterns.

Prerequisite: LOEP Reading or Language Use score of 50+.

ESL 012 | Intermediate Pronunciation
Lecture Credit: 3

Provides listening, speaking and reading activities that help students recognize and produce a variety of stress and intonation patterns in English. Helps students to produce problematic English sounds.

Prerequisite: ESL 041 or ESL 071 with a grade of C or better, or LOEP Reading or language use assessment score of 70+

ESL 021 | Basic Grammar
Lecture Credit: 3

Develops competency in basic grammatical structures through oral and written practice.

Prerequisite: LOEP Language Use score of 50-69

ESL 022 | Intermediate Grammar
Lecture Credit: 3

Builds on basic grammar structures. This course develops competency in intermediate grammar structures with continued emphasis on oral and written communication.

Prerequisite: ESL 021 or ESL 071 with a grade of C or better, or LOEP Language Use score of 70-89

ESL 023 | Advanced Grammar
Lecture Credit: 3

Builds on intermediate level grammar structures. This course develops competency in advanced grammatical structures with increased emphasis on written communication.

Prerequisite: ESL 022 with the grade of C or better or ESL 072 with the grade of C or better or LOEP Language Use score 90-109

ESL 031 | Basic Listening & Speaking
Lecture Credit: 3

Focuses on listening and speaking activities that help the student communicate more competently. Provides practice with pronunciation, vocabulary, and basic grammatical patterns.

Prerequisite: LOEP Listening score of 50-69

ESL 032 | Intermediate Listening & Speaking
Lecture Credit: 3

Teaches listening, pronunciation, and conversation skills. Increases speed and accuracy in speaking through free and guided conversational practice.

Prerequisite: ESL 031 with the grade of C or better or ESL 071 with the grade of C or better or LOEP Listening score of 70-89

ESL 033 | Advanced Listening & Speaking
Lecture Credit: 3

Provides students with opportunities to increase the listening and speaking skills required in academic and work situations. Emphasizes vocabulary building, listening and note taking strategies, as well as questioning, discussion, and presentation skills.

Prerequisite: ESL 032 with the grade of C or better or ESL 072 with the grade of C or better or LOEP Listening score of 90-109

ESL 041 | Basic Reading
Lecture Credit: 3

Improves comprehension of simple written texts through vocabulary building and reading strategies.

Prerequisite: LOEP Reading assessment score of 50-69

ESL 042 | Intermediate Reading
Lecture Credit: 3

Helps the student read more quickly and accurately and understand a variety of intermediate level reading material.

Prerequisite: ESL 041 with the grade of C or better or ESL 071 with the grade of C or better or LOEP Reading assessment score of 70-89

ESL 043 | Advanced Reading
Lecture Credit: 3

Prepares the student for academic reading assignments. Assists the student to read more accurately and critically through the development of vocabulary knowledge and reading skills. Introduces research skills.

Prerequisite: ESL 042 with the grade of C or better or ESL 072 with the grade of C or better or LOEP Reading assessment score of 90-109

ESL 051 | Basic Composition
Lecture Credit: 3

Serves as an open-entry, open-exit course of study from basic to intermediate to advanced (5 levels) in speaking, listening, reading, and writing English.

Prerequisite: LOEP Language Use score of 50-69
Corequisite: ESL 021.

ESL 052 | Intermediate Composition
Lecture Credit: 3

Introduces the fundamentals of paragraph organization and development. Assists the student in developing sentence variety and grammatical competency within well-organized paragraphs.

Prerequisite: ESL 021 with the grade of C or better or ESL 071 with the grade of C or better or LOEP Language Use score of 70-89; co-requisite or prerequisite of ESL 022

ESL 053 | Advanced Composition
Lecture Credit: 3

Reviews paragraph organization and develops the skill of writing essays using selected rhetorical modes. Emphasizes accurate use of advanced grammatical structures. Includes summarizing, paraphrasing, and research writing.

Prerequisite: ESL 052 with the grade of C or better or ESL 072 with a grade of C or better or LOEP Language Use score of 90-109 or Writing assessment score of 053

ESL 054 | ESL Reading and Composition
Lecture Credit: 5-6

Integrates reading and composition skills. The course reviews paragraph organization and develops the skill of writing essays using selected rhetorical modes. It emphasizes accurate use of advanced grammatical structures. Includes summarizing, paraphrasing, and research writing. In addition, the course focuses on strategies for vocabulary development, improved reading comprehension, and enrichment.

Prerequisite: ESL 052, ESL 022, and ESL 042 with a grade of C or better or ESL 072 with a grade of C or better or LOEP Language Use score of 90-109 and ESL REA score of 90-109 or Writing assessment score of 053 and REA score of 90-109

ESL 055 | Computer Basics for ESL
Lecture Credit: 2

Introduces the basic skills for computer use, including word processing, text entry, document appearance, editing, spelling, and printing.

Prerequisite: ESL 041 or ESL 071 with a grade of C or better, or LOEP Reading assessment score of 46+

ESL 071 | Basic Language Skills
Lecture Credit: 9

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

Prerequisite: LOEP Reading, Language Use and Listening assessment scores of 50-69 or permission of ESL program chair

ESL 072 | Intermediate Language Skills
Lecture Credit: 9

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

Prerequisite: Prerequisite: ESL 021, ESL 031, and ESL 041 or ESL 071 with a grade of C or better or LOEP Reading, Language Use and Listening assessment scores of 70-89 or permission of ESL program chair

ESL 175 | Special Topics
Lecture Credit: 1-12

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

Prerequisite: Successful completion (C or better) of ESL 072 or permission of program chair

Environmental Science (ENV)

ENV 101 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

ENV 275 | Special Topics
Lecture Credit: 1-12

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

Ethnic Studies (ETH)

ETH 200 | Introduction to Ethnic Studies: GT-SS3
Lecture Credit: 3

Introduces students to the issues of race and ethnicity. Emphasizes ethnic relations in the United States as it pertains to four major groups: Americans of African, Asian, Latino and Native descent. Explores issues of racial and ethnic identity, racism and discrimination, stereotyping, prejudice, segregation, colonialism, integration and acculturation. This course is one of the Statewide Guaranteed Transfer courses. GT-SS3

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

Fermentation Science (FER)

FER 101 | Craft Beer Brewing
Lecture Credit: 3 Lab Credit: 1

Examines fermentation science of craft beer brewing industry with an emphasis on wort production, yeast fermentation process, beer contaminants and how to avoid them, brewery cleaning, maintenance and environmental impact. The laboratory experience includes basic microbiological/scientific techniques and brewery experiences. Students MUST be 21 or older to enroll in this class.

Prerequisite: Demonstrated college readiness in English and Math or co-requisite in MAT 055

FER 201 | Wine Fundamentals
Lecture Credit: 4

Examines the manufacture of wines, styles of wines in global wine regions, microbiological science of wine fermentation and organoleptic perception of wines. Class activities emphasize reading wine labels, using language to describe different wines, and descriptions of common wine defects through sensory analysis of wines. Students must be 21 years or older to take this class.

Prerequisite: Grade of C or better in MAT 050, MAT 099, MAT 120, or MAT 135; or MAT 055 as a corequisite or equivalent Math assessment score placement

FER 203 | Fermented Foods Science
Lecture Credit: 3 Lab Credit: 1

Explores the history and science of fermented foods. Course includes food fermentation lab experiences with dairy, vegetables, sugars and grains. Examines how fermented foods have been used for preservation of food, health attributes and cultural significance.

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady) or concurrent enrollment in MAT 055

French (FRE)

FRE 101 | 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 102 | 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.

Prerequisite: FRE 101 with a grade of C or better

FRE 111 | 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.

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better, or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

FRE 112 | 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 111 with a grade of C or better, or a placement score of 282 or better

FRE 211 | 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 112 with a grade of C or better, or a placement score of 346 or better.

FRE 212 | 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 211 with a grade of C or better, or a placement score of 404 or better.

FRE 275 | Special Topics
Lecture Credit: 0-12

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

FRE 285 | 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: Program chair permission

Geographic Information Systems (GIS)

GIS 105 | ArcView GIS
Lecture Credit: 3

Introduces the fundamentals of GIS including cartographic principles, hardware, and software requirements, raster, and vector data structures, and data sources, accuracy, and acquisition, spatial data databases and spatial analysis. Hands-on experience with vector data utilizing ArcView software includes use of map scales, coordinate systems, determining spatial relationships, map features and attributes, map overlays, and basic operations with databases. Student will learn to create charts and graphs and full map layouts. A final project is required

GIS 131 | Global Positioning Systems for Global Information Systems
Lecture Credit: 3

Introduces the terminology, hardware, and technological principles of GPS. Students will receive an introduction in the fundamentals of using a basic hand-held GPS unit. Data will be integrated with pre-existing spatial data. Fundamentals of mapping and map reading will be covered. Garmin GPS units will be used initially, followed with Trimble GeoExplorers and Pathfinder Office software. Final student projects integrate GPS data within ArcView projects.

Geography (GEO)

GEO 105 | 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 106 | 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 107 | 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 111 | 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

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

GEO 112 | 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

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

GEO 175 | Special Topics
Lecture Credit: 2-12

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

Geology (GEY)

GEY 108 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

GEY 111 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

GEY 112 | 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: Demonstrated college readiness in English (CCD.edu/CollegeReady)

GEY 135 | 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: GEY 111 with a grade of C or better

GEY 175 | Special Topics
Lecture Credit: 3

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.

Prerequisite: This course may require prerequisites or permission of instructor

Health And Wellness (HWE)

HWE 100 | 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 124 | 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 143 | 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.

Health Professions (HPR)

HPR 101 | 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 102 | 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 104 | 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 106 | 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 108 | Dietary Nutrition
Lecture Credit: 1

Studies the basic nutritional principles in clinical practice in health care. The course will cover factors which influence the nutritional status of individuals, methods of nutritional assessment and support, and diet modification for specific disease states.

HPR 112 | 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.

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

HPR 113 | Advanced Phlebotomy
Lecture/Lab Credit: 4

Focuses on advanced phlebotomy skills including laboratory protocols, specimen processing and point of care documentation. This course provides opportunities for the student to master learned skills.

HPR 137 | 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.

Prerequisite: BIO 106 with a grade of C or better OR co-requisite of BIO 106

HPR 175 | Special Topics
Lecture Credit: 1

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

HPR 178 | Medical Terminology
Lecture Credit: 2

Introduces the student to the structure of medical terms with emphasis on using and combining the most common prefixes, roots and suffixes. Includes terms related to major body systems, oncology, psychiatry, as well as clinical laboratory and diagnostic procedures and imaging. Class structure provides accepted pronunciation of terms and relative use in the healthcare setting.

HPR 180 | 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 190 | Basic EKG Interpretation
Internship Credit: 4

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.

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

History (HIS)

HIS 101 | 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

HIS 102 | 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

HIS 111 | 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

HIS 112 | 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

HIS 121 | 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

HIS 122 | 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

HIS 175 | Special Topics
Lecture Credit: 0-12

Focuses on the exploration of current topics, issues and activities related to one or more aspects of history.

Prerequisite: This course may require prerequisites or permission of instructor

HIS 203 | 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

HIS 205 | 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

HIS 215 | 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

HIS 225 | 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

HIS 235 | 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

HIS 236 | 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

HIS 239 | The Sixties in America
Lecture Credit: 3

Explores the political, social, and cultural history of 1960s America.

HIS 240 | Cold War Era in World History
Lecture Credit: 3

Examines the Cold War as a political, ideological, economic, and military contest on global scale.

HIS 243 | 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

HIS 244 | 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

HIS 246 | 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.

HIS 247 | 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

HIS 249 | 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

HIS 250 | 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

HIS 255 | 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

HIS 259 | 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

HIS 260 | 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

HIS 261 | 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.

HIS 275 | Special Topics
Lecture Credit: 0-12

Focuses on the exploration of current topics, issues and activities related to one or more aspects of history.

Prerequisite: This course may require prerequisites or permission of instructor

HIS 285 | 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.

Human Services (HSE)

HSE 105 | 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 106 | 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 107 | 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 106 with a grade of C or better, or HSE 106 as a corequisite
Corequisite: HSE 108

HSE 108 | 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 106 with a grade of C or better, or HSE 106 as a corequisite
Corequisite: HSE 107

HSE 188 | 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 107 and HSE 108 with a grade of C or better

HSE 205 | 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.

Prerequisite: HSE 107 and HSE 108 with a grade of C or better

HSE 206 | 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.

Prerequisite: HSE 107 and HSE 108 with a grade of C or better

HSE 226 | 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 106 with a grade of C or better

HSE 275 | Special Topics
Lecture Credit: 0-12

This course 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

HSE 285 | 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 288 | 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 188 with a grade of C or better

Humanities (HUM)

HUM 103 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

HUM 115 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

HUM 121 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

HUM 122 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

HUM 123 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

HUM 175 | Special Topics
Lecture Credit: 0-12

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

HUM 220 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

HUM 275 | Special Topics
Lecture Credit: 0-12

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

HUM 285 | 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)

Journalism (JOU)

JOU 105 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

JOU 106 | Media News and Reporting
Lecture Credit: 3

Introduces news writing, reporting and interviewing with an emphasis on clarity, accuracy, completeness, timeliness and fairness.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

JOU 121 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

JOU 175 | Special Topics
Lecture Credit: 0-12

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

JOU 206 | Intermediate Newswriting and Editing
Lecture Credit: 3

Presents how to gather information as an investigative reporter through research of local, state and federal government publications, how to cover police beat and city hall, how our courts and regulatory agencies function, and how to cover other challenges as the environment, religion, science, medical, public safety and business.

Prerequisite: JOU 106 with a grade of C or better

JOU 225 | 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.

Prerequisite: ENG 121 with a grade of C or better

JOU 231 | Introduction to Public Relations
Lecture Credit: 4

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.

Prerequisite: ENG 121 with a grade of C or better

JOU 241 | 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.

Prerequisite: ENG 121 with a grade of C or better

JOU 280 | 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.

Prerequisite: Grade of C or better in ENG 121 AND grade of C or better in JOU 105 AND Instructor Permission

JOU 285 | 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: Instructor permission

Literature (LIT)

LIT 115 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 126 | 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.

Prerequisite: Demonstrated college readiness in English (www.ccd.edu/collegeready)

LIT 175 | Special Topics
Lecture Credit: 0-12

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

LIT 201 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 202 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 205 | Ethnic 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 211 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 212 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 225 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 235 | Science Fiction
Lecture Credit: 3

Examines the techniques and issues of science fiction through a close reading a variety of writers in the genre.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

LIT 246 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 255 | Children`s Literature
Lecture Credit: 3

Evaluates the criteria for selecting appropriate literature for children through exploration of genres, age levels, values taught through literature, and the literary and artistic quality of various texts.

Prerequisite: Demonstrated college readiness in English and reading (CCD.edu/CollegeReady)

LIT 259 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

LIT 267 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

LIT 275 | Special Topics
Lecture Credit: 0-12

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

LIT 285 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

Machine Technologies (MAC)

MAC 100 | 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 101 | 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.

Corequisite: MAC 100 with a grade of C or better

MAC 102 | Print Reading for Machinists
Lecture/Lab 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.

Corequisite: MAC 100 with a grade of C or better

MAC 110 | 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.

Corequisite: MAC 101 with a grade of C or better

MAC 111 | 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.

Prerequisite: MAC 110 and MAT 108 with a grade of C or better

MAC 120 | 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.

Corequisite: MAC 101 with a grade of C or better

MAC 121 | 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.

Prerequisite: MAC 120 and MAT 108 with a grade of C or better

MAC 141 | 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.

Prerequisite: Chair permission

MAC 145 | 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.

Prerequisite: MAC 100 with a grade of C or better

MAC 178 | Machining Workshop
Lab Credit: 1-6

Provides students with an experiential learning opportunity.

Prerequisite: MAC 110 or MAC 120 with a grade of C or better

MAC 201 | 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.

Prerequisite: MAC 203 with a grade of C or better

MAC 202 | 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.

Prerequisite: MAC 201 with a grade of C or better

MAC 203 | 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.

Corequisite: MAC 100

MAC 205 | 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.

Prerequisite: MAC 203 with a grade of C or better

MAC 206 | 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.

Prerequisite: MAC 205 with a grade of C or better

MAC 240 | 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.

Prerequisite: MAC 205 with a grade of C or better

MAC 245 | 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.

Corequisite: MAC 240 with a grade of C or better

MAC 250 | 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.

Prerequisite: MAC 102 with a grade of C or better

MAC 251 | 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).

Prerequisite: MAC 245 with a grade of C or better, or chair permission

MAC 252 | 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.

Prerequisite: MAC 100 with a grade of C or better, and chair permission

MAC 253 | 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).

Prerequisite: MAC 251 with a grade of C or better, or chair permission

MAC 257 | 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.

Prerequisite: MAC 253 with a grade of C or better, or chair permission

MAC 259 | Introduction to the 5-Axis Milling Machine
Lecture/Lab Credit: 2

Covers knowledge, basic operation and theory of the 5-axis milling machine.

Prerequisite: MAC 245 with a grade of C or better, or chair permission

MAC 260 | 5-Axis Milling Machine Operation
Lecture/Lab Credit: 3

Covers preparation, operation and maintenance of the 5-axis milling machine.

Prerequisite: MAC 259 with a grade of C or better, or chair permission

MAC 261 | 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.

Prerequisite: MAC 260 with a grade of C or better, or chair permission

MAC 262 | Introduction to Multi-Axis Lathe
Lecture/Lab Credit: 2

Covers basic operation and theory of the multi-axis lathe.

Prerequisite: MAC 245 with a grade of C or better, or chair permission

MAC 263 | Multi-Axis Lathe Operation
Lecture/Lab Credit: 3

Covers preparation, operation and maintenance for the multi-axis lathe.

Prerequisite: MAC 262 with a grade of C or better, or chair permission

MAC 264 | 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.

Prerequisite: MAC 263 with a grade of C or better, or chair permission

MAC 278 | Machining Workship
Lab Credit: 3

Provides students with an experiential learning opportunity.

Prerequisite: MAC 205 and MAC 108 with a grade of C or better; CCR 092, CCR 093, CCR 094 or equivalent English and writing assessment scores; MAT 055 or equivalent math assessment score.

MAC 280 | 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.

Prerequisite: MAC 201 and MAC 205 with a grade of C or better, a grade point average of 2.5 or better, and chair permission

Management (MAN)

MAN 116 | 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.

Prerequisite: BUS 115 with a grade of C or better

MAN 128 | 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 160 | 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.

Prerequisite: ACC 101 and BUS 115 with a grade of C or better

MAN 175 | Special Topics
Lecture Credit: 2-12

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.

Prerequisite: This course may require prerequisites or permission of instructor

MAN 200 | 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.

Prerequisite: BUS 115 with a grade of C or better

MAN 216 | 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.

Prerequisite: ACC 101 with a grade of C or better; and BUS 115 with a grade of C or better, or CIS 118 with a grade of C or better

MAN 224 | 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.

Prerequisite: BUS 115 with a grade of C or better

MAN 225 | 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.

Prerequisite: BUS 115 with a grade of C or better

MAN 226 | 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.

Prerequisite: BUS 115 with a grade of C or better

MAN 241 | 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.

Prerequisite: MAN 226 with a grade of C or better

MAN 242 | 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.

Prerequisite: MAN 241 with a grade of C or better

Manufacturing Technology (MTE)

MTE 101 | 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.

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

MTE 120 | 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.

Prerequisite: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

MTE 230 | 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: CAD 101 with a grade of C or better

MTE 244 | 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: CAD 101 with a grade of C or better

MTE 276 | Special Topics
Lecture Credit: 3-6

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

Marketing (MAR)

MAR 111 | 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.

Prerequisite: BUS 115 with a grade of C or better

MAR 117 | 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.

Prerequisite: BUS 115 with a grade of C or better, or BUS 115 as a corequisite

MAR 160 | 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.

Prerequisite: Grade of C or better in BUS 115; and demonstrated college readiness in English (CCD.edu/CollegeReady)

MAR 216 | 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.

Prerequisite: BUS 115 or CIS 118 with a grade of C or better

MAR 220 | 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.

Prerequisite: BUS 115 with a grade of C or better

MAR 240 | 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.

Prerequisite: BUS 115 with a grade of C or better

Mathematics (MAT)

MAT 025 | Algebraic Literacy Lab
Lab Credit: 1

Supports skill development for students registered in MAT 055 Algebraic Literacy. Topics covered in this course include those defined in MAT 055 and/or any prerequisite skills needed by the student. For students with Accuplacer score EA 45-59, this course is a required corequisite with MAT 055 Algebraic Literacy.

Corequisite: Students must co-enroll in a corresponding section of MAT055. MAT 025 is a structured study experience for MAT 055 students.

MAT 050 | 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 055 | 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 MAT 121 College Algebra and MAT 123 Finite Math.

Prerequisite: Accuplacer score of EA 60+. Students with Accuplacer scores below EA 60 are required to co-enroll in MAT 025, a structured study experience for MAT 055 students.

MAT 091 | Applied Quantitative Lab
Lab Credit: 1

Supports skill development for students registered in MAT 103, MAT 107, MAT 108, MAT 109, or MAT 112. Topics covered in the course include those defined in MAT 103/107/108/109/112 and/or any pre-requisite skills needed by the student. Students with NGAccuplacer AR scores 255-264 or TradAccuplacer scores EA 30-59 or AR 40+, who are advised into MAT 103/107/108/109/112, are required to co-enroll in this course.

Corequisite: Students must co-enroll in a corresponding section of MAT 103, 107, MAT 108 or MAT 112. MAT 091 is a structured study experience for MAT 103, 107, MAT 108 or MAT 112 students.

MAT 092 | Quant Lab
Lab Credit: 1

Supports skill development for students registered in MAT 120, MAT 135, MAT 155, or MAT 156. Topics covered in this course include those defined in MAT 120/135/155/156 and/or any pre-requisite skills needed by the student. Students with NGAccuplacer scores QAS 230-239 or TradAccuplacer scores EA 80-84, who are advised into MAT 120, MAT 135, MAT 155, or MAT 156, are required to co-enroll in this course.

Corequisite: Students must co-enroll in a corresponding section of MAT 120, MAT 135, or MAT 155. MAT 092 is a structured study experience for MAT 120, MAT 135, or MAT 155 students.

MAT 093 | Algebra Lab
Lab Credit: 1

Supports skill development in students registered in MAT 121 College Algebra or MAT 123 Finite Math. Topics covered in this course include those defined in MAT 121/123 and/or any prerequisite skills needed by the student. Students with NGAccuplacer AAF scores 235 to 244 who are advised into MAT 121 or 123 are required to co-enroll in this course.

Corequisite: Students must co-enroll in a corresponding section of MAT 121 or MAT 123. MAT 093 is a structured study experience for MAT 121 or MAT 123 students.

MAT 103 | 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: Demonstrated college readiness in math or corequisite of support lab (CCD.edu/CollegeReady)

MAT 107 | 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: Demonstrated college readiness in math or corequisite of support lab (CCD.edu/CollegeReady)

MAT 108 | 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: Demonstrated college readiness in math or corequisite of support lab (CCD.edu/CollegeReady)

MAT 112 | Financial Mathematics
Lecture Credit: 3

Covers the fundamentals of financial mathematics. Topics include pricing, taxes, insurance, interest, annuities, amortization, and investments.

Prerequisite: Demonstrated college readiness in math or corequisite of support lab (CCD.edu/CollegeReady)

MAT 120 | 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: Demonstrated college readiness in math or corequisite of support lab (CCD.edu/CollegeReady)

MAT 121 | 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: Demonstrated college readiness in math or corequisite of support lab (CCD.edu/CollegeReady)

MAT 122 | 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: Grade of C or better in MAT 121, math assessment score of 280 (NGAF) or better, or equivalent ACT/SAT scores

MAT 123 | 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: Demonstrated college readiness in math or corequisite of support lab (CCD.edu/CollegeReady)

MAT 125 | 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: Grade of C or better in MAT 121 or MAT 123, or math assessment score of 280 (NGAF) or better, or equivalent ACT/SAT scores

Note: This class is for business students, not science/engineering students.

MAT 135 | 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: Demonstrated college readiness in English and demonstrated college readiness in Math or corequisite of math support lab (www.ccd.edu/collegeready)

MAT 155 | Integrated Math I
Lecture Credit: 3

Engages students in the concepts of school mathematics, including the recognition of numerical and geometric patterns and their application to a variety of mathematical situations; mathematical problem-solving, reasoning, critical thinking, and communication; algebraic thinking, representation, analysis, manipulation, generalizations and extensions.

Prerequisite: Demonstrated college readiness in math or corequisite of support lab (CCD.edu/CollegeReady)

Note: This course is designed for students who are seeking an A.A. degree with an emphasis in education.

MAT 156 | Integrated Math II
Lecture Credit: 3

Furthers MAT 155 concepts and will include fundamentals of probability, statistics, and Euclidean geometry. Mathematical problem-solving, reasoning, critical thinking and communication will continue to be an integral part of this sequence.

Prerequisite: Grade of C or better in MAT 155

Note: This course is designed for students who are seeking an AA degree with an emphasis in education.

MAT 166 | 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: Grade of C or better in MAT 121, or Math assessment score of 280 (NGAF) or better, or equivalent ACT/SAT scores

MAT 175 | Special Topics
Lecture Credit: 1-12

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

MAT 201 | 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: Grade of C or better in MAT 122 or MAT 166, or math assessment score of 28 (ACMT), or equivalent ACT/SAT scores

MAT 202 | 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: Grade of C or better in MAT 201

MAT 203 | 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: Grade of C or better in MAT 202

MAT 204 | 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: Grade of C or better in MAT 202

MAT 255 | Linear Algebra
Lecture Credit: 3

Explores vector spaces, matrices, linear transformations, matrix representation, eigenvalues, and eigenvectors.

Prerequisite: Grade of C or better in MAT 202

MAT 265 | 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: Grade of C or better in MAT 202

MAT 266 | 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: Grade of C or better in MAT 202

MAT 275 | Special Topics
Lecture Credit: 1-12

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

Medical Assisting Professional (MAP)

MAP 110 | Medical Office Administration
Lecture Credit: 4

Introduces the administrative duties specifically used in medical offices.

Prerequisite: Permission of program chair

MAP 120 | 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.

Prerequisite: Permission of program chair

MAP 138 | 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 program chair

MAP 140 | 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 program chair

MAP 150 | 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.

Prerequisite: Permission of program chair

MAP 183 | 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 program chair

MAP 189 | 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.

Prerequisite: Permission of program chair

Medical Office Technology (MOT)

MOT 125 | Basic Medical Sciences I
Lecture Credit: 3

Introduces the anatomy and physiology, pathophysiology and drug therapy of the immune, musculoskeletal, and digestive systems. A discussion of pediatric implications as they relate to clinical physiology will also be covered. The scope of the material is limited for the medical office technology personnel.

MOT 130 | Insurance Billing and Coding
Lab Credit: 3

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-9 codes), thus establishing the medical necessity required for third-party reimbursement.

Prerequisite: Grade of C or better in HPR 178

MOT 133 | Basic Medical Sciences II
Lecture Credit: 3

Description: Introduces the anatomy and physiology, pathophysiology and drug therapy of the cardiovascular, respiratory, dermatology and senses systems. the scope of material is limited for the medical office technology personnel.

MOT 135 | Basic Medical Sciences III
Lecture Credit: 3

Description: Teaches the anatomy and physiology, pathophysiology and drug therapy of the Renal, Reproductive, Neurological, and Endocrine systems. the scope of material is limited for the medical office technology personnel.

MOT 181 | Administrative Assistant
Internship Credit: 1

Provides supervised placement in contracted facility for guided experience in the psychomotor, cognitive and affective learning domains acquired in an educational program. Positions are non-paid.

MOT 182 | Internship: Clinical
Internship Credit: 3

Description: Provides supervised placement in contracted facility for guided experience in the psychomotor, cognitive and affective learning domains acquired in an educational program. Positions are non-paid.

MOT 184 | 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.

MOT 209 | 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.

Multimedia Graphic Design (MGD)

MGD 101 | Introduction to Computer Graphics
Studio Art 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 105 | Typography and Layout
Studio Art 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.

Prerequisite: Grade of C or better in MGD 101 and MGD 116

MGD 111 | Adobe Photoshop I
Studio Art 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.

Prerequisite: Grade of C or better in MGD 101 and MGD 116, or MGD 116 as a corequisite

MGD 112 | Adobe Illustrator I
Studio Art 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.

Prerequisite: Grade of C or better in MGD 101 and MGD 116

MGD 114 | Adobe InDesign
Studio Art 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.

Prerequisite: Grade of C or better in MGD 101 and MGD 116

MGD 116 | Typography I
Studio Art 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.

Prerequisite: Grade of C or better in MGD 101, or MGD 101 as a corequisite

MGD 141 | Web Design I
Studio Art 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.

Prerequisite: Grade of C or better in MGD 101 or instructor permission, and grade of C or better in MGD 116

MGD 203 | Design and Concept
Studio Art 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: Grade of C or better in MGD 105

MGD 213 | Electronic Prepress
Studio Art Credit: 3

Explores in detail the electronic prepress process. Students examine steps for preparing a digital file for trapping, output considerations and proofing techniques. Creating effective electronic designs and efficient use of today`s software programs are also covered.

Prerequisite: Grade of C or better in MGD 105

MGD 241 | Web Design II
Studio Art 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 141

MGD 275 | Special Topics
Studio Art Credit: 0-12

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

Prerequisite: MGD 101 and MGD 116 with a grade of C or better

MGD 285 | 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: Instructor permission

MGD 289 | Capstone
Studio Art Credit: 1-6

A demonstrated culmination of learning within a given program of study.

Prerequisite: MGD 105 with a grade of C or better

Music (MUS)

MUS 100 | 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 106 | 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.

Prerequisite: MUS 100 with a grade of C or better

MUS 110 | 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.

Corequisite: MUS 112 and MUS 131

MUS 111 | Music Theory II
Lecture Credit: 3

Presents chromatic four-part harmony, analysis, ear training, and keyboard harmony.

Prerequisite: MUS 110 with a grade of C or better
Corequisite: MUS 113 and MUS 132

MUS 112 | Ear Training/Sight-singing I Lab
Studio Art Credit: 1

Presents exercises in sight-singing with melodic and rhythmic dictation.

Corequisite: MUS 110 and MUS 131

MUS 113 | Ear Training/Sight-singing II Lab
Studio Art Credit: 1

Presents exercises in sight-singing with melodic and rhythmic dictation.

Prerequisite: MUS 112 with a grade of C or better
Corequisite: MUS 111 and MUS 132

MUS 120 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

MUS 121 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

MUS 122 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

MUS 123 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

MUS 125 | 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 131 | 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.

Prerequisite: MUS 100 with a grade of C or better, or instructor permission

MUS 132 | 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.

Prerequisite: MUS 131 or MUS 141 with a grade of C or better, or instructor permission

MUS 141 | 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.

Prerequisite: MUS 100 with a grade of C or better, or instructor permission

MUS 142 | 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.

Prerequisite: MUS 141 with a grade of C or better, or instructor permission

MUS 151 | Ensemble I
Studio Music Credit: 1

First year, first term. Rehearses and performs various types of musical literature.

MUS 152 | Ensemble II
Studio Music Credit: 1

Rehearses and performs various types of musical literature. First year, second term.

Prerequisite: MUS 151 with a grade of C or better, or instructor permission

MUS 153 | Ensemble III
Studio Music Credit: 1

Rehearses and performs various types of musical literature. First year, third term.

Prerequisite: MUS 152 with a grade of C or better, or instructor permission

MUS 154 | Ensemble IV
Studio Music Credit: 1

Rehearses and performs various types of musical literature. First year, fourth term.

Prerequisite: MUS 153 with a grade of C or better, or instructor permission

MUS 161 | 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 162 | Computer Music Applications II
Lecture Credit: 3

Designed to build on MUS 161. Course will further explore the Digital Audio Work (DAW) environment. Advanced music notation software techniques, creating unique synthesizer timbres, and audio/video synchronization will be among the topics explored.

Prerequisite: MUS 161 with a grade of C or better, or instructor permission

MUS 163 | 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 167 | 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 175 | Special Topics
Lecture Credit: 0-12

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

MUS 210 | 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

Prerequisite: MUS 111 with a grade of C or better, or instructor permission
Corequisite: MUS 212

MUS 211 | 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.

Prerequisite: MUS 210 and MUS 212 with a grade of C or better, or instructor permission
Corequisite: MUS 213

MUS 212 | 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.

Prerequisite: MUS 111 and MUS 113 with a grade of C or better
Corequisite: MUS 210

MUS 213 | 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.

Prerequisite: MUS 210 and MUS 212 with a grade of C or better
Corequisite: MUS 211

MUS 241 | 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.

Prerequisite: MUS 142 with a grade of C or better and instructor permission

MUS 242 | 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.

Prerequisite: MUS 241 with a grade of C or better and instructor permission

MUS 244 | 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.

Prerequisite: MUS 242 with a grade of C or better

MUS 251 | Ensemble I
Studio Music Credit: 1

Rehearses and performs various types of musical literature. Second year, first term.

Prerequisite: MUS 152 with a grade of C or better

MUS 252 | Ensemble II
Studio Music Credit: 1

Rehearses and performs various types of musical literature. Second year, second term.

Prerequisite: MUS 251 with a grade of C or better

MUS 275 | Special Topics
Lecture Credit: 0-12

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).

Prerequisite: This course may require prerequisites or permission of instructor

MUS 285 | 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: Instructor permission

Nurse Aide (NUA)

NUA 101 | 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 170

NUA 102 | Certification Exam Prep
Lecture Credit: 0.5

Helps prepare the student for the state certification exam through mock testing.

Prerequisite: Grade of C or better in NUA 101 and NUA 170

NUA 170 | Nurse Aide Clinical Experience
Clinical Credit: 1

Applies knowledge and skill gained in NUA 101 to patient care.

NUA 171 | 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 101 and NUA 170. The student will learn skills that enhance communication, cultural competency, end of life care, critical thinking and organizational skills.

Prerequisite: Grade of C or better in NUA 101 and NUA 170

NUA 180 | Home Health Aide Internship
Internship Credit: 0.25-6

Prepares the nurse aide for entry-level into the home health care setting.

Prerequisite: Grade of C or better in NUA 101 and NUA 170, or a current and unencumbered Colorado Nurse Aide license
Corequisite: NUA 105

Nursing (NUR)

NUR 101 | 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 102 | 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 103 | Basic Health Assessment for the Practical Nurse
Lecture/Lab Credit: 1

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 104 | 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 105 | Practical Nursing Arts and Skills
Lecture/Lab Credit: 6

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 110 | 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 111 | 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 113 | Basic Concepts of Maternal-Newborn Nursing
Lecture/Lab Credit: 2

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 114 | Basic Concepts of Pediatric Nursing
Lecture/Lab Credit: 2

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 115 | 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 116 | 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 170 | Clinical I
Internship Credit: 3

Offers the clinical practicum to apply the related nursing theory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 171 | Clinical II
Internship Credit: 2

Offers the clinical practicum to apply the related nursing theory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 172 | Clinical III
Internship Credit: 1

ffers the clinical practicum to apply the related nursing theory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 173 | Clinical IV
Internship Credit: 3

Offers the clinical practicum to apply the related nursing theory.

Prerequisite: Acceptance into the Practical Nursing program.

NUR 213 | 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.

Occupational Safety Technician (OSH)

OSH 116 | 30HR OSHA Voluntary Compliance
Lecture Credit: 3

Provides a 30-Hour OSHA certification course for general industry. Participants will review the current OSHA standards contained in 29 CFR 1910 and participants that complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

Paralegal (PAR)

PAR 115 | Introduction to Law
Lecture Credit: 3

Provides an understanding of the role of paralegals, issues facing paralegals, the working of the legal system, and ethical questions. Legal terminology and an overview of the substantive areas of law will be discussed.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 116 | Torts
Lecture Credit: 3

Focuses on tort law, including negligence, intentional torts, and strict liability, with an emphasis on personal injury litigation.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 117 | Family Law
Lecture Credit: 3

Emphasizes domestic law, common property, dissolutions, adoptions, legal separation, and other family law issues.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 118 | Contracts
Lecture Credit: 3

Examines the basic principles of contract law.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 125 | 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 126 | 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 201 | Civil Litigation
Lecture Credit: 3

Focuses on an intensive study of the legal process including the Federal and Colorado Rules of Civil Procedure.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 202 | Evidence
Lecture Credit: 3

Introduces the student to State and Federal Rules of Evidence and application to the trial process.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 205 | Criminal Law
Lecture Credit: 3

Introduces basic concepts of criminal law and criminal procedure, including Colorado statutes and Rules of Procedure.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 206 | Business Organizations
Lecture Credit: 3

Focuses on the study of the major types of business organizations.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 208 | 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 209 | Constitutional Law
Lecture Credit: 3

Emphasizes the study of the powers of government as they are allocated and defined by the United States Constitution.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 210 | Sexual Orientation and the Law
Lecture Credit: 3

Provides the substantive legal knowledge that students need to understand the relationship between American law and sexual minorities. Includes a comprehensive understanding of the unique legal issues facing lesbians and gay men, and covers the practical application of the law to these situations.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 211 | 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 212 | Legal Writing
Lecture Credit: 3

Enables the student to practice the content and conventions of legal writing.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

PAR 217 | 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 218 | 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 275 | Special Topics
Lecture Credit: 0-12

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

PAR 280 | 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 115, PAR 201, PAR 211 and PAR 212 with a grade of C or better

PAR 285 | 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 289 | Capstone
Lecture Credit: 3

Emphasizes a synthesis of the information and skills that students learned throughout their paralegal studies.

Prerequisite: PAR 115, PAR 201, PAR 211 and PAR 212 with a grade of C or better

Philosophy (PHI)

PHI 111 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 112 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 113 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 114 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 115 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 116 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 175 | Special Topics
Lecture Credit: 0-12

To be determined by instructor

Prerequisite: This course may require prerequisites or permission of instructor

PHI 205 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 214 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 218 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 220 | 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

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better; or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

PHI 275 | Special Topics
Lecture Credit: 0-12

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

PHI 285 | Independent Study
Independent Study Credit: 0-12

Focuses on directed readings and independent study on specific philosophical topics.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

Physical Education (PED)

PED 175 | Special Topics
Lecture Credit: 1-12

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

Physics (PHY)

PHY 105 | 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: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

PHY 111 | 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 211. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: Grade of C or better in CCR 092 or ENG 060, or equivalent English and writing assessment score placements.
Corequisite: MAT 122 or MAT 166

PHY 112 | Physics Algebra-Based II with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Expands upon PHY 111 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 111 and MAT 122 or MAT 166 with a grade of C or better

PHY 175 | Special Topics
Lecture Credit: 1-12

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

PHY 211 | 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 201 with a grade of C or better
Corequisite: MAT 202

PHY 212 | Physics Calculus-Based II with Lab: GT-SC1
Lecture Credit: 4 Lab Credit: 1

Expands upon PHY 211 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 211 and MAT 202 with a grade of C or better

PHY 213 | Physics III: Calculus Based Modern Physics
Lecture Credit: 3

Expands upon PHY 212 and explores twentieth century advances in physics. Topics may include special and general relativity, quantum theory, atomic physics, solid state physics, nuclear physics, semiconductor physics and cosmology.

Prerequisite: PHY 212 with a grade of C or better

Political Science (POS)

POS 105 | 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

POS 111 | American Government: GT-SS1
Lecture Credit: 3

Includes the background of the U.S. Constitution, the philosophy of American government, general principles of the Constitution, federalism, and civil liberties. Examines public opinion and citizen participation, political parties, interest groups, and the electoral process, and the structure and functions of the national government. This course is one of the Statewide Guaranteed Transfer courses. GT-SS1

POS 125 | 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

POS 136 | American Presidency
Lecture Credit: 3

Focuses on the office of the president as a branch of government. Examines the individuals who have occupied and shaped the presidency, and changes in the office itself.

POS 175 | Special Topics
Lecture Credit: 1-12

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

POS 205 | 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

POS 215 | 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

POS 225 | 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

POS 280 | 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.

Prerequisite: Grade of B or better in POS 105 or POS 111, or chair permission

Psychology (PSY)

PSY 101 | 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

PSY 102 | 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

PSY 175 | Special Topics
Lecture Credit: 1-12

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

PSY 200 | 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.

Prerequisite: ENG 121 and MAT 120 with a grade of C or better

PSY 205 | 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: ENG 121 with a grade of C or better

PSY 207 | 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: ENG 121 with a grade of C or better

PSY 217 | 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: ENG 121 with a grade of C or better

PSY 226 | 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: ENG 121 with a grade of C or better

PSY 227 | 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: ENG 121 with a grade of C or better

PSY 231 | 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: ENG 121 with a grade of C or better

PSY 235 | 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: ENG 121 with grade of C or better

PSY 238 | 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: ENG 121 with a grade of C or better

PSY 240 | 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: ENG 121 with a grade of C or better

PSY 249 | 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: ENG 121 and PSY 101 or PSY 102 with a grade of C or better

PSY 251 | 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: ENG 121 and PSY 101 or PSY 102 with a grade of C or better

PSY 255 | 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: ENG 121 with a grade of C or better

PSY 258 | 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: ENG 121 and PSY 101 with a grade of C or better

PSY 265 | 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: ENG 121 and PSY 102 with a grade of C or better

PSY 268 | 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: ENG 121 and PSY 101 or PSY 102 with a grade of C or better

PSY 269 | 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: ENG 121 and PSY 101 or PSY 102 with a grade of C or better

PSY 275 | Special Topics
Lecture Credit: 0-12

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

PSY 285 | 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: ENG 121 with a grade of C or better

Public Security Management (PSM)

PSM 104 | 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 105 | 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 110 | 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 132 | 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 133 | 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 204 | 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 221 | 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 222 | Forensic Computer Analysis: Computer Forensics II
Lecture Credit: 3

Provides the student with enhanced materials built on the foundations of PSM 221 - 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.

Prerequisite: PSM 221 with a grade of C or better

Radiologic Technology, Computed Tomography, and Mammography (RTE)

RTE 101 | 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: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

RTE 111 | Radiographic Patient Care
Lecture Credit: 2

Offers expansion of the information presented in RTE 101, 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.

Prerequisite: BIO 201 and BIO 202, or BIO 106, ENG 121, HPR 178, MAT 121 or higher, PSY 101 or SOC 101 or PSY 235 and RTE 101 with a grade of C or better
Corequisite: RTE 121, RTE 141, and RTE 181

RTE 121 | Radiologic Procedures I
Lecture Credit: 1 Lab Credit: 2

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.

Prerequisite: BIO 201, BIO 202, ENG 121, MAT 121, PHY 105, and PSY 101 or SOC 101

RTE 122 | Radiologic Procedures II
Lecture Credit: 1.5 Lab Credit: 1.5

Introduces additional material covered in RTE 121 including the knowledge of anatomy, pathology, and skills necessary to perform radiographic procedures of the lower extremity, pelvis, spine, and boney thorax.

Prerequisite: RTE 101, RTE 111, RTE 121, RTE 141, and RTE 181 with a grade of C or better
Corequisite: RTE 131, RTE 142, and RTE 182

RTE 131 | 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

Prerequisite: RTE 101, RTE 111, RTE 121, RTE 141, and RTE 181 with a grade of C or better
Corequisite: RTE 122, RTE 142, and RTE 182

RTE 132 | 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 101, RTE 111, RTE 121, RTE 122, RTE 131, RTE 141, RTE 142, RTE 181, RTE 182, and RTE 183 with a grade of C or better
Corequisite: RTE 221 and RTE 281

RTE 141 | Radiographic Equipment and Imaging I
Lecture Credit: 1 Lab Credit: 2

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.

Prerequisite: BIO 201 and BIO 202, or BIO 106, ENG 121, HPR 178, MAT 121 or higher, PSY 101 or SOC 101, or PSY 235 and RTE 101 with a grade of C or better
Corequisite: RTE 111, RTE 121, and RTE 181

RTE 142 | Radiographic Equipment and Imaging II
Lecture Credit: 1.5 Lab Credit: 1.5

Expands upon information covered in RTE 141 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 101, RTE 111, RTE 121, RTE 141, and RTE 181 with a grade of C or better
Corequisite: RTE 122, RTE 131, and RTE 182

RTE 181 | 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.

Prerequisite: BIO 106 or BIO 201 and BIO 202, ENG 121, HPR 178, MAT 121 or higher, PSY 101 or SOC 101, or PSY 235 and RTE 101 with a grade of C or better
Corequisite: RTE 111, RTE 121, and RTE 141

RTE 182 | Radiographic Internship II
Internship Credit: 5

Introduces additional concepts and more complex radiographic procedures than those learned in Clinical Internship I.

Prerequisite: RTE 101, RTE 111, RTE 121, RTE 141, and RTE 181 with a grade of C or better
Corequisite: RTE 122, RTE 131, and RTE 142

RTE 183 | Radiographic Internship III
Internship Credit: 7

Reinforces the basic concepts of Clinical Internship I and II.

Prerequisite: RTE 101, RTE 111, RTE 121, RTE 122, RTE 131, RTE 141, RTE 142, RTE 181, and RTE 182 with a grade of C or better

RTE 221 | Advanced Medical Imaging
Lecture Credit: 1 Lab Credit: 2

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 101, RTE 111, RTE 121, RTE 122, RTE 131, RTE 141, RTE 142, RTE 181, RTE 182, and RTE 183 with a grade of C or better
Corequisite: RTE 231 and RTE 281

RTE 231 | 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 101, RTE 111, RTE 121, RTE 122, RTE 131, RTE 141, RTE 142, RTE 181, RTE 182, and RTE 183 with a grade of C or better
Corequisite: RTE 221 and RTE 281

RTE 250 | Mammography
Lecture/Lab Credit: 3

Introduces the fundamentals of mammography as required for ARRT mammography certification

Prerequisite: ARRT Certified

RTE 257 | 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.

Prerequisite: ARRT registered technologist

RTE 260 | 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).

Prerequisite: ARRT, nuclear medicine or NMTCB, sonography or ARDMS, or radiation therapy.

RTE 275 | Special Topics
Independent Study Credit: 1-12

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

RTE 280 | 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: RTE 257 with a grade of C better

Note: These classes are the Computed Tomography internships I-VI.

RTE 281 | 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 101, RTE 111, RTE 121, RTE 122, RTE 131, RTE 141, RTE 142, RTE 181, RTE 182, and RTE 183 with a grade of C or better
Corequisite: RTE 221 and RTE 231

RTE 282 | 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 101, RTE 111, RTE 121, RTE 122, RTE 131, RTE 141, RTE 142, RTE 181, RTE 182, RTE 183, RTE 221, RTE 231, and RTE 281 with a grade of C or better
Corequisite: RTE 132 and RTE 289

RTE 284 | Advanced Clinical (Specialty)
Internship Credit: 2

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.

Prerequisite: RTE 260

RTE 289 | 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 101, RTE 111, RTE 121, RTE 122, RTE 131 RTE 141, RTE 142, RTE 181, RTE 182, RTE 183, RTE 221, RTE 231, and RTE 281 with a grade of C or better
Corequisite: RTE 132 and RTE 282

RTE 291 | Mammography Internship
Internship Credit: 2

Provides clinical experience for demonstrating and documenting clinical competencies required by the American Registry of Radiologic Technologist for application for registry examination.

Prerequisite: ARRT Certified

Note: These classes are the mammography internships I-V.

Science (SCI)

SCI 155 | 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: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

Note: This class is designed for students who are seeking an A.A. degree with an emphasis in education.

SCI 156 | 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: Demonstrated college readiness in English and math (CCD.edu/CollegeReady)

Note: This class is designed for students who are seeking an A.A. degree with an emphasis in education.

SCI 175 | Special Topics
Lecture Credit: 0-12

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

SCI 275 | Special Topics
Lecture Credit: 0-12

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

Sociology (SOC)

SOC 101 | 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

SOC 102 | FYE 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

Note: Some sections of this course serve as a First Year Experience designed for new students at CCD and will examine careers, career cultures, and the academic tools and techniques necessary for success in college classes.

SOC 201 | Introduction to Gerontology
Lecture Credit: 3

Acquaints students with the major issues and concepts pertinent to the field of gerontology. The course introduces various theoretical perspectives on aging, the changing trends in life expectancy and other demographic considerations, and the interrelationship between elders and key social institutions. It provides an overview of physical, cognitive, and socioemotional factors associated with aging.

Prerequisite: ENG 121; and SOC 101 or SOC 102 with a grade of C or better

SOC 203 | Urban Socio-Anthropology
Lecture Credit: 3

Examines how cities and city life are shaped by cultural, social, political, and economic forces operating at many different levels. Aditionally, SOC 203 examines the history and theoretical roots of urban anthropology and sociology, ethnographic fieldwork in urban environment, and urban social organization in cross-cultural perspectives.

Prerequisite: ENG 121; and ANT 101, SOC 101, or SOC 102 with grade of C or better

SOC 205 | 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: ENG 121; and SOC 101 or SOC 102 with grade of C or better

SOC 207 | 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: ENG 121; and SOC 101 or SOC 102 with a grade of C or better

SOC 215 | 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: ENG 121; and SOC 101 or SOC 102 with a grade of C or better

SOC 216 | 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: ENG 121; and SOC 101 or SOC 102 with a grade of C or better

SOC 218 | 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: ENG 121; and SOC 101 or SOC 102 with a grade of C or better

SOC 220 | 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: ENG 121; and SOC 101 or SOC 102 with a grade of C or better

SOC 223 | Chicanos in a Changing Society
Lecture Credit: 3

Explores the lives and roles of Chicanos and Chicanas (Americans of Mexican descent). It introduces students to the Chicano community, its historical, political and social development. It explores the ways in which Chicano communities interrelate with Anglo and multicultural societies as well as its future prospects.

Prerequisite: ENG 121 with a grade of C or better

SOC 231 | 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: ENG 121; and SOC 101 or SOC 102 with a grade of C or better

SOC 237 | 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: ENG 121; and ANT 101, PSY 101, PSY 102, SOC 101, or SOC 102 with a grade of C or better

SOC 265 | Violence and Culture
Lecture Credit: 3

Examines the concepts, relationships, organizations, and research as they relate to violence in multiple cultural settings. SOC 265 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.

Prerequisite: ENG 121; and ANT 101 or SOC 101 with a grade of C or better

SOC 275 | Special Topics
Lecture Credit: 0-12

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

SOC 285 | 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: ENG 121 with a grade of C or better

SOC 292 | Service Learning
Internship Credit: 3

Prerequisite: C or better in SOC 101
Corequisite: SOC 101

Spanish (SPA)

SPA 101 | 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 102 | 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.

Prerequisite: SPA 101 with a grade of C or better

SPA 111 | 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.

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better, or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

SPA 112 | 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 111 with a grade of C or better, or a placement score of 282 or better

SPA 114 | 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.

Prerequisite: ENG 121 with a C or better; ENG 131 with a C or better, or co-req of ENG 121 or ENG 131
Corequisite: ENG 121 or ENG 131

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 111. If a student is currently enrolled in SPA 111, they must enroll in SPA 112 for the next level of study.

SPA 115 | 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 175 | Special Topics
Lecture Credit: 1-12

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

SPA 211 | 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 112 or SPA 114 with a grade of C or better, or a placement score of 346 or better

Note: There are two tracks for this course, Second Language Learner and Heritage Speaker. Please see details for specific section.

SPA 212 | 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 211 with a grade of C or better, or a placement score of 404 or better

Note: There are two tracks for this course Second Language Learner and Heritage Speaker. Please see details for the specific section.

SPA 215 | Spanish for Professional II
Lecture Credit: 3

Continues SPA 115 in the development of a working knowledge of the target language, cultural behaviors and values useful in various professional fields such as health care, law enforcement, bilingual education, business, and others.

Prerequisite: SPA 115 with a grade of C or better

Note: The specific content of this course may vary. See details for the particular professional focus of a given section.

SPA 261 | Grammar for the Heritage Language Speaker
Lecture Credit: 3

Provides formal grammatical instruction to Foreign Language students whether native or bilingual who want to develop their existing proficiency in the target language.

Prerequisite: Program chair permission

SPA 262 | Composition for the Heritage Language Speaker
Lecture Credit: 3

Provides formal composing instruction to Spanish Language students whether native or bilingual who want to develop their existing proficiency in the target language.

Prerequisite: Program chair permission

SPA 275 | Special Topics
Lecture Credit: 0-12

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

SPA 285 | 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: Program chair permission

Surgical Technology (STE)

STE 100 | Fundamentals of Surgical Technology
Lecture Credit: 6

Emphasizes the theoretical basis of surgical technology practice.

Prerequisite: Acceptance into the Surgical Technology program
Corequisite: STE 101 and STE 110

STE 101 | 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 100 and STE 110

STE 103 | 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 100, STE 101, STE 110

STE 105 | Pharmacology for the Surgical Technologist
Lecture Credit: 2

Covers basic surgical pharmacology including the metric system, pharmacology theory, surgical drugs, and aspects of anesthesia

Prerequisite: Grade of C or better in STE 100, STE 101, and STE 110
Corequisite: STE 115 and STE 181

STE 110 | Surgical Procedures I
Lecture/Lab 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 100 and STE 101

STE 115 | Surgical Procedures II
Lecture/Lab 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: Grade of C or better in STE 100, STE 101, and STE 110
Corequisite: STE 105 and STE 181

STE 120 | 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: Grade of C or better in STE 110 and STE 115

STE 175 | Special Topics
Lecture Credit: 0-12

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

Prerequisite: Acceptance into the Surgical Technology Program

STE 179 | 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: Grade of C or better in STE 100, STE 101, STE 105, STE 110, STE 115, STE 120, STE 181, and STE 182
Corequisite: STE 183

STE 181 | Surgical Internship I
Internship Credit: 4

Allows students to integrate theoretical concepts in a clinical surgical setting.

Prerequisite: Grade of C or better in STE 100, STE 101, and STE 110
Corequisite: STE 105 and STE 115

STE 182 | Internship II
Lecture Credit: 4

Allows students to integrate advanced theoretical concepts in a clinical surgical setting.

Prerequisite: Grade of C or better in STE 100, STE 101, STE 105, STE 110, STE 115, STE 120, and STE 181

STE 183 | Internship III
Lecture Credit: 6

Allows students to integrate advanced theoretical concepts in a clinical surgical setting.

Prerequisite: Grade of C or better in STE 100, STE 101, STE 105, STE 110, STE 115, STE 120, STE 181, and STE 182
Corequisite: STE 179

Theatre (THE)

THE 104 | Basic Costume/Apparel Construction
Lecture Credit: 3

Provides students with training in cutting and sewing techniques, as well as knowledge of fabric types, qualities, uses, and cleaning.

Prerequisite: THE 116

THE 105 | 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 108 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

THE 110 | 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.

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

THE 111 | 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 112 | 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.

Prerequisite: THE 111 with a grade of C or better

THE 115 | Stage Movement for Actors
Lecture 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 116 | Technical Theatre
Lecture 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 129 | 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 131 | 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.

Prerequisite: Instructor permission

THE 132 | 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.

Prerequisite: Instructor permission

THE 141 | Improvisation I
Lecture Credit: 3

Helps students learn improvisation skills for performance and character development. Emphasis is placed on Second City style of improvisation.

THE 150 | 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 151 | Stagecraft I
Lecture Credit: 3

Focuses upon fundamental theories and construction of flats, platforms, stair units, soft scenery and other aspects of Stagecraft.

THE 152 | Production Stage Management I
Lecture 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.

Prerequisite: THE 116

THE 175 | Special Topics
Lecture Credit: 0-12

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

Prerequisite: This course may require prerequisites or permission of instructor

THE 200 | Paint/Draw/Rende/Model Techs
Lecture 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 211 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

THE 212 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

THE 213 | Intermediate Acting I
Lecture Credit: 3

Continues Acting Theatre 112. Emphasis is on artistic concentration of voice and movement. A detailed character biography is required.

THE 215 | 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

Prerequisite: Demonstrated college readiness in English (CCD.edu/CollegeReady)

THE 216 | Theatre Lighting and Design
Lecture 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 218 | Readers Theatre
Lecture Credit: 3

Studies ensemble interpretation of literature¿poetry, prose, and drama, primarily through the medium of the spoken word.

THE 220 | Directing I
Lecture 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.

Prerequisite: THE 105 and THE 111 with a grade of C or better

THE 221 | Set Design for Film & Theatre
Lecture Credit: 3

Emphasizes two- and three-dimensional drawing and designs and color theory. Students construct 3-D models and a theatrical stage set.

THE 226 | Theatre: Sound Operation and Design I
Lecture 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 231 | 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.

Prerequisite: Instructor permission

THE 232 | 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.

Prerequisite: Instructor permission

THE 240 | Theater Voice and Diction
Lecture 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 241 | Stage Properties
Lecture 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 250 | Practical Theatre Technologies
Lecture 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.

Prerequisite: THE 116

THE 275 | Special Topics: Theatre
Lecture Credit: 0-12

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

Prerequisite: This course may require prerequisites or permission of instructor

THE 284 | 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.

Prerequisite: Instructor permission

THE 285 | 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.

Prerequisite: Instructor permission

Veterinary Technology (VET)

VET 101 | Career Development Animals
Lecture Credit: 2

Assists the student in recognizing their career potential in the animal industry. It will supply the tools necessary to be competitive in the animal industry and provides students with the ability to make realistic decisions concerning eduction and occupational objectives.

Prerequisite: Admission into the Veterinary Technology or Veterinary Technology Assistant program

VET 102 | 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 103 | 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 104 | 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 106 | 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: Grade of C or better in VET 108, VET 116, and VET 205.

VET 108 | 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 111 and ENG 121 with a grade of C or better, and admission into the Veterinary Technology program

VET 109 | 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 114 | 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 115 | 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 108, VET 116, and VET 205 with a grade of C or better

VET 116 | 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 117 | 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 120 | 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 134 | 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 108, VET 116, VET 205, and VET 206 with a grade of C or better
Corequisite: VET 280

VET 172 | 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 182

VET 175 | Special Topics
Lecture Credit: 1

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

VET 182 | 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 108, VET 116, VET 120, and VET 205 with a grade of C or better
Corequisite: VET 172

VET 183 | 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: Grade of C or better in VET 101, VET 102, VET 113, VET 114, and VET 120.
Corequisite: VET 101, VET 102, VET 113, VET 114, and VET 120.

Note: The prerequisite courses can be taken either before or concurrently with VET 183.

VET 205 | 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 111 and ENG 121 with a grade of C or better, and admission into the Veterinary Technology program

VET 206 | 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 108, VET 116, and VET 205 with a grade of C or better

VET 223 | 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.

VET 224 | 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 108, VET 116, VET 120, and VET 205 with a grade of C or better

VET 225 | 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 108, VET 115, VET 116, VET 120, VET 182, VET 205, VET 206, VET 223, and VET 224 with a grade of C or better

VET 227 | 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: Grade of C or better in VET 205 and VET 206

VET 238 | 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: Grade of C or better in VET 225, Vet 227, Vet 241, and VET 281
Corequisite: VET 232

VET 239 | Large Animal Nursing
Lecture/Lab Credit: 2

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: C or better in VET 225, VET 227, VET 241, and VET 281

VET 241 | 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: Grade of C or better in VET 223, VET 224, VET 172, and VET 182

VET 242 | 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: Grade of C or better in VET 225, VET 241, and VET 281

VET 243 | 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: Grade of C or better in VET 205 and VET 206

VET 250 | 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 108, VET 115, VET 116, VET 120, VET 134, VET 182, VET 187, VET 205, VET 206, VET 224, VET 225, VET 227, VET 241, and VET 281 with a grade of C or better

VET 280 | 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 116, VET 205, and VET 206 with a grade of C or better
Corequisite: VET 134

VET 281 | 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 182 with a grade of C or better

VET 282 | 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: Grade of C or better in VET 281, VET 225, and VET 241

Welding, Fabrication (WEL)

WEL 100 | 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 101 | 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 100 with a grade of C or better

WEL 102 | 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 100 with a grade of C or better

WEL 103 | 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 101 with a grade of C or better

WEL 104 | Basic Shielded Metal Arc II
Lecture/Lab Credit: 4

Covers performing safety inspections, making minor repairs, adjusting operating parameters, and operating SMAW equipment utilizing E-7018 electrodes. Layout procedures will be practiced during this course.

Prerequisite: WEL 103 with a grade of C or better

WEL 106 | Blueprint Reading for Welders and Fitters
Lecture Credit: 4

Covers interpreting weld symbols on blueprints, identifying proper layout methods and tools, and proper joint design necessary for various welding processes.

Prerequisite: WEL 100 with a grade of C or better

WEL 107 | 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: Program chair approval

WEL 108 | 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: Program Chair approval

WEL 109 | 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: Program chair approval

WEL 110 | 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 104 and MAT 108 with a grade of C or better

WEL 111 | 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 110 with a grade of C or better

WEL 124 | 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 101, WEL 102 and MAT 108 with a grade of C or better

WEL 125 | 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 101, WEL 102 and MAT 108 with a grade of C or better

WEL 162 | Basic Flux Cored Arc Welding
Lecture/Lab Credit: 1

Teaches how to safely set up and operate the flux core arc welding equipment.

Prerequisite: WEL 103 with a grade of C or better and English assessment score of 50 or better, Reading assessment score of 40 or better, and Math assessment score of 59 (EA) or 40 (AR) or better

WEL 175 | Special Topics
Lecture/Lab Credit: 3-4

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

WEL 176 | Special Topics
Lecture/Lab Credit: 3-4

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

WEL 177 | Special Topics
Lecture/Lab Credit: 3-4

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

WEL 178 | Seminar/Workshop
Lecture/Lab Credit: 1-6

Provides students with an experiential learning experience.

Prerequisite: WEL 101, WEL 102, and WEL 106 with a grade of C or better.
Corequisite: Any other welding class, except WEL 100, WEL 101, and WEL 102

WEL 202 | 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 125 with a grade of C or better

WEL 203 | Flux Cored Arc Welding I
Lecture/Lab Credit: 4

Covers safety inspections, minor repairs, operating parameters, operation of FCAW equipment utilizing self shielded wire, and principles of joint design, preparation, and material selection to welding operations.

Prerequisite: WEL 103 with a grade of C or better and English assessment score of 50 or better, reading assessment score of 40 or better; or equivalent English and writing assessment score placements, and math assessment score of 59 (EA) or 40 (AR) or better; or equivalent math assessment score placement.

WEL 204 | Flux Cored Arc Welding II
Lecture/Lab Credit: 4

Covers safety inspections, minor repairs, operating parameters, operating FCAW equipment utilizing gas shielded wire, and applying fundamentals of welding applications and cost estimating to welding, fabrication, and inspection.

Prerequisite: WEL 103 with a grade of C or better and English assessment score of 50 or better, reading assessment score of 40 or better; or equivalent English and writing assessment score placements, and math assessment score of 59 (EA) or 40 (AR) or better; or equivalent math assessment score placement.

WEL 224 | 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 124 with a grade of C or better

WEL 230 | 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 110 and WEL 124 with a grade of C or better, or chair permission

WEL 251 | 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 124

WEL 264 | 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 101

WEL 280 | 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 111, WEL 124, and WEL 125 with a grade of C or better; a grade point average of 2.5 or better; and chair permission

Women's Studies (WST)

WST 200 | 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

WST 225 | 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

WST 240 | 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: Grade of C or better in ENG 121

WST 249 | 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: Grade of C or better in ENG 121

WST 275 | Special Topics
Lecture Credit: 12

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

RIGHTS & 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.

Chief Student Services Officer (CSSO): 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 CSSO 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 Manufacuring 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 onstitutions (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 "Chief 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 CSSO 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 CSSO 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 CSSO or designee shall render a sanction decision. The CSSO 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 CSSO 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 CSSO 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 CSSO 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 CSSO 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 CSSO 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 CSSO or designee with instructions to reconvene to cure the error. In rare cases, where the procedural or substantive error cannot be cured by the CSSO 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 CSSO 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 CSSO 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 CSSO, 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 CSSO 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 CSSO 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 CSSO 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:

Patty Davies, Director of Human Resources
ADA/Sec 504 Coordinator
Administration Building, Room 310
Campus Box 240
P.O. Box 173363
Denver, CO 80217-3363
Telephone: 303.352.3310

or to the

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, 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:

Patty Davies, 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 Grievance Procedure

This Student Grievance Procedure 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

Chief Student Services Officer (CSSO): The college employee designated by the college president to administer student grievances. Grievances alleging discrimination may be referred to:

Patty Davies, Director of Human Resources
Campus Box 240
P.O. Box 173363
Denver, CO, 80217
Administration Building, Room 310
303-352-3310 | Patty.Davies@ccd.edu (patty.davies@ccd.edu).

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 Chief Student Services Officer (CSSO). 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 CSSO 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 CSSO 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 CSSO 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 CSSO 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 CSSO or designee may extend the scheduling timelines described above for good cause.
   e. If the grievance is against the CSSO, the Chief Academic Officer or other person designated by the president shall perform the duties of the CSSO.

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 CSSO or designee. Matters involving grade changes or academic appeals should follow the grade appeal process.

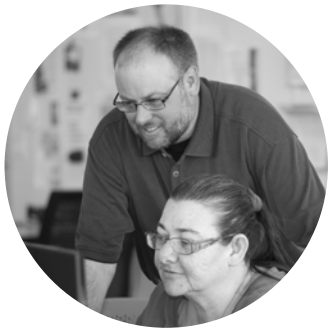
Formal Grievance Procedure

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 CSSO. 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 CSSO determines that the allegation is grievable, a copy of the written grievance must be mailed or hand-delivered to the Respondent(s) by the CSSO within five (5) working days of the filing of the formal grievance.
2. Upon receipt of the notice of a grievable offense, the CSSO 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 CSSO is responsible for keeping all records pertaining to grievances. If the grievance is against the CSSO, the Chief Academic Officer or other person designated by the president shall perform the duties of the CSSO.
3. If the matter is determined to be grievable, the CSSO or designee shall hear the Grievance.
4. The CSSO 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 CSSO 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 CSSO.
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 CSSO. 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 CSSO within three (3) working days following the conclusion of the hearing.
9. The CSSO 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 CSSO 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 CSSO 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.



INDEX

A

A-Z List of Academic Programs 37
About CCD 7
Academic Advising 12
Academic Calendar 5
Academic Information 22
Academic Integrity Policy 24
Academic Pathways 39
Academic Progress Guidelines 25
Academic Renewal Policy 26
Academic Standards 26
Academic Terms 104
Accounting 56
Accounting (ACC) 110
Admission Guidelines 10
Advanced Academic Achievement (AAA) 110
American Sign Language (ASL) 111
Anthropology 92
Anthropology (ANT) 111
Applied Technology 75
Architectural Technologies 76
Architecture/Engineering/ (AEC) 112
Art 40
Arts, Humanities & Design 40
Arts (Visual) (ART) 113
Associate of Arts 105
Associate of General Studies 108
Associate of Science 107
Astronomy (AST) 115

B

Bachelor & Associate of Applied Science Degrees & Certificates 108
Biology 84
Biology (BIO) 115
Business Administration 57
Business Administration (BUS) 117
Business & Public Administration 56
Business Technology (BTE) 117

C

Campus Information 8
CCD Celebrates Student Success 27
CCDConnect 12
Certificates & Degrees 105
Chemistry 85
Chemistry (CHE) 118
Chinese (CHI) 119
College Composition & Reading (CCR) 119
College Opportunity Fund 19
Communication 42
Communication (COM) 119
Computer Assisted Design (CAD) 120
Computer Information Systems 85
Computer Information Systems (CIS) 122
Computer Network Technologies (CNG) 123
Computer Science (CSC) 124
Computer Web Base (CWB) 125
Courses 110
Credit Completion Progress 28
Criminal Justice 93
Criminal Justice (CRJ) 125

D

Degrees with Designation/Statewide Transfer 105
Dental Hygiene 65
Dental Hygiene (DEH) 126
Dietetic Technology (DIT) 129
Diversity at CCD 7

E

Early Childhood Education 61
Early Childhood Education (ECE) 130
Economics 60
Economics (ECO) 131
Education & Teaching 61
Education (EDU) 131
Elementary Education 63
Engineering (EGG) 132
Engineering Graphics & Mechanical Design 78
Engineering Graphics Technology (EGT) 132
Engineering Technology (ENT) 133
English as a Second Language (ESL) 134
English (ENG) 133
English-Literature 43
Enviornmental Science 87
Environmental Science (ENV) 135
Ethnic Studies (ETH) 135

F

Fabrication Welding 80
Fermentation Science (FER) 135
Financial Aid 20
Financial Information 18
French 44
French (FRE) 135

G

Geographic Information Systems (GIS) 136
Geography 45
Geography (GEO) 136
Geology 88
Geology (GEY) 137
Getting Started 11
Graduation Requirements 29
Graphic Design 47

H

Health & Wellness (HWE) 137
Health Professions (HPR) 137
Health Sciences 65
Helpful Contact Information 36
History 48
History (HIS) 138
Home 3
How This Catalog Can Help You Succeed 4
Human Services 95
Human Services (HSE) 140
Humanities (HUM) 140

I

Industry, Manufacturing & Construction 75
Information Technology 88
Institutional Outcomes 7
Integrated Nursing Pathway 68
International Student Enrollment 12

J

Journalism 49
Journalism (JOU) 141

L

Literature (LIT) 142

M

Machine Technologies 82
Machine Technologies (MAC) 143
Management (MAN) 145
Manufacturing Technology (MTE) 145
Marketing (MAR) 146
Mathematics 89
Mathematics (MAT) 146
Medical Assistant Professional (MAP) 148
Medical Assisting 68
Medical Office Technology (MOT) 149
Multimedia Graphic Design (MGD) 149
Music 50
Music (MUS) 150

N

Nurse Aide 69
Nurse Aide (NUA) 152
Nursing (NUR) 152
Nutrition 66

O

Occupational Safety Technician (OSH) 154

P

Paralegal 97
Paralegal (PAR) 154
Philosophy 50
Philosophy (PHI) 155
Phlebotomy 70
Physical Education (PED) 156
Physics 90
Physics (PHY) 156
Political Science 99
Political Science (POS) 157
President's Message 6
Programs & Courses 37
Psychology 100
Psychology (PSY) 157
Public Security Management (PSM) 158

R

Radiologic Technology 70
Radiologic Technology, Computed Tomography & Mammography (RTE) 159
Registering for Classes 12
Rights & Legal Notices 171

S

Science (SCI) 161
Science, Technology, Engineering & Mathematics 84
Social & Behavioral Sciences 92
Sociology 102
Sociology (SOC) 161
Spanish 52
Spanish (SPA) 162
Special Academic Programs 30
Steps to Successful Enrollment 11
Student Support Services 31
Surgical Technology 72
Surgical Technology (STE) 163

T

Theater (THE) 164
Theatre 53
Transfer Guarantees 8
Transfer Options 31
Transferring Credit to CCD 15
Tuition & Fees 18
Tuition Classification (Residency) 16
Tuition Refunds 19
Types of Aid 21

V

Veterinary Technology 72
Veterinary Technology (VET) 166

W

Welcome to CCD 4
Welding, Fabrication (WEL) 168
Women's Studies (WST) 170

COMMUNITY COLLEGE OF DENVER

Start Here.
Go Anywhere!
CCD.edu

Downtown Auraria Campus
1111 W. Colfax Ave., Denver, CO 80204
303.556.2600

Center for Health Sciences at Lowry
1070 Alton Way, Denver, CO 80230
303.365.8300

Advanced Manufacturing Center
2570 31st St., Denver, CO 80216
303.352.3060