CATALOG

2026-2027

ACC

ARAPAHOE COMMUNITY COLLEGE

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About ACC

Message from the President

Our Mission – Your Success

Welcome to Arapahoe Community College! You've made a great choice to continue your education at ACC. For nearly 60 years, ACC has helped students just like you achieve their academic and career goals.

In this catalog is everything you need to get started at ACC. We look forward to supporting you during your exciting journey.

ACC is proud to offer a wide variety of exceptional learning pathways and opportunities, including more than 100 degree and certificate programs. Whether you attend ACC to pursue a new career, upgrade your skills, or plan to transfer to a four-year institution, our programs and student services are the first steps to providing you with the skills and knowledge you need to reach your goals.

ACC is a vibrant and responsive institution focused of increasing the economic and social mobility of our students and our communities. This is done through partnerships with business and industry in the form of internships, apprenticeships, and work-based learning experiences. ACC's lifelong learning opportunities include continuing education for practicing professionals, customized training to meet industry needs, enrichment programming for seniors, and fundamental programs to help students prepare for college coursework.

At ACC, our faculty and staff are committed to helping you succeed on your educational journey. With convenient class times and locations in Littleton, Castle Rock, and Lone Tree - as well as numerous online programs and courses - you're sure to find education that aligns with your busy lifestyle.

I am pleased to welcome you to the ACC family and wish you every success. We're glad you're here!

Warmest regards,

Stephanie J. Fujii, Ph.D.
President

The History of Arapahoe Community College

1964 - A group of Littleton residents research the need for a junior college and present their findings to local school districts. With help from community and business leaders, school officials and citizens, Littleton residents vote to establish a college.

1965 - Arapahoe Junior College is founded on May 4, 1965.

1966 - Arapahoe Junior College opens and welcomes its first 550 students.

1970 - The College joins the Colorado Community College and Occupational Education System and is renamed Arapahoe Community College (ACC).

1970 - The College becomes accredited by the North Central Association of Colleges and Schools

1974 - The Main Building on the Littleton campus is completed.

1977 - An Annex to the Main Building is added.

1979 - The Colorado Gallery of the Arts opens.

1989 - The College acquires and opens the West Alamo Center in downtown Littleton near the main campus; the acquisition is renamed the ACC Art and Design Center.

2000 - ACC expands into Douglas County with the opening of the University Center at Chaparral (UCC) in Parker.

2001 - ACC completes a $13 million renovation of the Main Building on the Littleton Campus to house the Weber Center for Learning Resources (the library) and additional classrooms.

2006 - The College's reaffirmation of accreditation is received by The Higher Learning Commission

2011 - The University Center at Chaparral (UCC) is renamed the Arapahoe Community College **Parker Campus**.

2011 - The College expands again with the opening of the Arapahoe Community College **Castle Rock Campus**. The new campus offers credit and noncredit classes plus Workforce Training programs and facility rentals.

2017 - The College's reaffirmation of accreditation is received by The Higher Learning Commission

2019 - The Arapahoe Community College **Sturm Collaboration Campus at Castle Rock** opens

2022 - Arapahoe Community College sells the Parker Campus to DCSD. ACC partners with DCSD to offer courses at the DCSD Legacy Campus in Lone Tree

2023 - Renovation of ACC's Littleton Campus Annex building begins to create the Health Innovation Center

Our Door is Always Open

Arapahoe Community College is an open-door admissions institution. If you have a high school diploma, General Education Development (GED) certificate, or are not in high school and 17 years of age or older, you may be admitted. Please remember that admission does not guarantee enrollment in any specific programs and courses. You may be required to meet prerequisites designed to help you successfully complete a course of study. Admission may be denied in accordance with the State Board for Community Colleges and Occupational Education Board Policy BP 4-10.

Vision Statement

ACC empowers lives.

Mission Statement

ACC drives new and creative approaches to education, with a focus on building forward-looking pathways to social and economic mobility. By deepening connections with employers, industry, and our community, we ensure that all learners are equipped with the skills and opportunity to thrive.

Values Statement

Life-Long Learning **—** We uphold the highest academic standards and support the growth and success of each individual we serve.

Collaborative Partnerships **—** We foster trusting relationships and respectful communication through collaboration with our students, employees, and external stakeholders.

Integrity **—** We encourage an ethical environment that embraces honesty, respect and personal responsibility.

Inclusion **—** We encourage the free exchange of ideas and an open dialogue in a brave

environment that embraces individual differences.

ACC Institutional Student Learning Outcomes

Preparing learners for life success is an important commitment at Arapahoe Community College. These learning outcomes address the knowledge, skills, and values that are fundamental to the personal and professional growth of our students, employees and community.

Communication — The students will be able to construct, deliver, and engage in effective communication for a variety of audiences and purposes.

Equity and Inclusion — The students will be able to define, describe and analyze various issues related to diversity, equity, and inclusion in their respective disciplines.

Information Management — The students will be able to identify, retrieve and synthesize information in order to think critically, reason logically, and make informed judgments.

Personal Enrichment — The students will be able to analyze and incorporate social accountability and ethical behavior along with continual development of self-concept and identity to obtain meaningful goals.

Quantitative Reasoning — The students will be able to retrieve, interpret and evaluate quantitative information to determine trends, make predictions, and develop informed decisions.

Equity Statement

We welcome and value the identities and experiences of our students, staff, faculty, and surrounding communities. We seek to engage and support historically marginalized groups whom higher education has traditionally failed to serve. We work to foster an equitable and inclusive learning and work environment that supports our students and employees through professional development, programming, reflection, and transformational change of ACC practices, procedures, services, and teaching. We collectively commit to holding ourselves accountable to our equity goals through assessing these efforts with multiple strategies that include voices of those impacted by this work.

Accreditation

Institutional Accreditation

Arapahoe Community College is accredited by The Higher Learning Commission and a member of the North Central Association of Colleges and Schools. The Commission can be reached at 312.263.0456. Web address: www.ncahigherlearningcommission.org.

ACC Program Accreditations

The following programs hold accreditation and / or approval as listed:

- **Automotive Service Technology,** ASE Education Foundation
- **Certified Nursing Assistant,** Colorado State Board of Nursing
- **Emergency Medical Technician,** Colorado State Department of Health, Emergency Medical Services Division
- **Health Information Technology,** American Health Information Management Association
- **Law Enforcement Academy,** Colorado P.O.S.T. (Peace Officer Standard and Training Board)
- **Medical Laboratory Technology,** National Accrediting Agency for Clinical Laboratory Sciences

- **Mortuary Science,** American Board of Funeral Service Education
- **Nursing (Registered),** The Accreditation Commission for Education in Nursing, Inc. and The Colorado State Board of Nursing
- **Paralegal,** American Bar Association
- **Paramedicine,** Commission on Accreditation of Allied Health Education Programs (CAAHEP)
- **Physical Therapist Assistant,** Commission on Accreditation in Physical Therapy Education

Addresses and phone numbers for these accrediting agencies are listed within the description of each specific degree or certificate.

www.arapahoe.edu

The statements in this Catalog outline the current rules, regulations and policies of Arapahoe Community College and the Colorado Community College System. While the provisions of this Catalog will normally be applied as stated, the College reserves the right to make changes at any time. The Web site, therefore, will contain any changes and is the most current source of information and is the basis of the College's contract with its students.

It is the responsibility of each student to stay abreast of changes to his/her area of study as presented on the Arapahoe Community College Web site (http://www.arapahoe.edu).

Getting Started

Registration Checklist

1. Apply for Admission

Complete the ACC Application for Admission:

Online: www.arapahoe.edu\apply
In person: Welcome Center (Littleton Campus), or the front desk at the Parker or Castle Rock campuses

If any of the following categories apply to you, you will also need to include the documents indicated. No additional information is needed for high school graduates, GED holders or high school non-graduates who are 17* years of age or older.

A valid email address is required to apply for admission. You will be notified at that same email address of your acceptance and residency status after you have completed the application. Applications for admission are typically processed within three business days.

Transfer Students: If you wish to transfer credits toward a degree, your official transfer transcript must be sent directly from the transfer institution to Admissions and Records, Arapahoe Community College, P.O. Box 9002, Littleton CO 80160-9002. Hand-delivered transcripts will not be accepted as official for transfer credit evaluation purposes.

International Students: You must provide completed International Student Application Form; proof of high school graduation from an accredited high school or GED; completed International Student Affidavit of Financial Support; and proof of English proficiency. A complete packet of information on international student admission is available from ACC's International Student Advisor at 303.797.5904 and on the website at www.arapahoe.edu/international.

High School Students: Several options exist for you to earn college credits while you are still in high school. Please contact the Student Recruitment and Outreach Office at 303.797.5637 to discuss options.

2. Apply for the College Opportunity Fund (COF)

Students classified as residents receive the most discounted tuition rate by applying for, and authorizing, the COF stipend. For more information about COF, please access the ACC website at arapahoe.edu/tuition-and-financial-aid/college-opportunity-fund-cof, or email admissions@arapahoe.edu.

3. Apply for Financial Aid

Apply for Financial Aid by completing a Free Application for Federal Student Aid (FAFSA) online at www.fafsa.gov. If you have questions about the FAFSA, contact the Financial Aid office at FinAid@arapahoe.edu, or 303.797.5661.

4. Activate Your Student E-mail

All ACC students enrolled in academic courses are assigned a studet e-mail address and ACC communicates with students via e-mail only through this school-issued e-mail address. Activate your student email account by logging into **myACC** and following the instructions in your acceptance letter.

5. Complete Assessment

Take the assessment test in the Testing Center (Room M2210); call 303.797.5993 for hours of operation. If you are a first-time college student, are planning to enroll in college-level English or math, or you are a recent high school graduate, you must complete assessment in English and math unless you meet exemption criteria (see Student Resources & Services - Assessment section of this Catalog for a list of exemption criteria). To receive an exemption, you must present documentation to an Advisor, Testing Center staff or Admissions & Records.

The no-fail, un-timed college placement test assesses your readiness for college-level coursework by measuring skills in reading, English and math. It is required by the Colorado Community College System. Results of the assessment are used in developing a plan for academic success at the College and for initial course selection.

You must present a photo ID when taking the test. There is a charge to take the college placement test. Results are available immediately.

Assessment test accommodations are provided to qualified students with disabilities by contacting Student Access Services (Room M2710 - Main building at the Littleton campus), 303.797.5937, v/tty users should call Relay Colorado at 711.

An appointment is necessary to take the assessment test at the Parker and Castle Rock campuses. While an appointment is strongly encouraged at the Littleton campus as well, some walk-in testing is available.

To schedule an appointment to take the college placement test, please contact the campus nearest you:

- Parker Campus 303.734.4822
- Castle Rock Campus 303.660.3160
- Littleton Campus 303.797.5993

6. Attend New Student Orientation

All students new to college must attend a mandatory New Student Orientation. Sign-up to attend a New Student Orientation session at www.arapahoe.edu/orientation.

Students who have previously attended college (either at ACC or at another institution) since finishing high school are also invited to attend an New Student Orientation, but are not required to do so.

7. Review the ACC Catalog and Student Handbook

Program requirements and important policy information is detailed in the ACC Catalog. Additionally, information about grievances, student discipline, the student code of conduct, and clubs / groups is provided in the Student Handbook. Both documents are available online at:

Online Catalog:
www.arapahoe.edu/departments-and-programs/schedules/catalogs
Online Student Handbook:
http://www.arapahoe.edu/campus-life/student-handbook

8. Meet Your Academic Advisor

Your Academic Advisor will assist you with academic planning, course selection, registration, and career planning. Call the Advising Office at 303.797.5664 to schedule

an advising appointment at the Littleton Campus, call 303.734.4822 to schedule an advising appointment at the Parker Campus, or call 303.660.3160 to schedule an advising appointment at the Castle Rock Campus.

9. Register for Classes

Search and register for courses online through myACC (www.arapahoe.edu/myACC). It is recommended that you meet with an Academic Advisor prior to registration.

10. Connect with Student Access Services

Visit Room M2710 or call 711 v/tty to request academic accommodations and for specialized consultation if needed. Appropriate documentation is required for accommodations.

11. Pay Your Tuition

Pay for your classes with a credit card online via **myACC** or with cash, check or credit card at the Cashier's window (Room M2300 - Main building at the Littleton Campus) by the deadline for each semester. Payment deadlines and payment plan options are provided on the ACC website at www.arapahoe.edu/paymentplan.

12. Get Your Parking Pass and Student Photo ID

Parking Permits may be purchased online through myACC (www.arapahoe.edu/myacc) or in person at the Cashier's Office (Littleton Campus - Main Building). Once purchased, the parking permit may be picked up at the Campus Police office (Littleton Campus - Main Building).

Student Photo ID's may be obtained at Admissions & Records (Littleton Campus - Main Building), or at the front desk of the Parker and Castle Rock campuses.

13. Buy or Rent your Books

Print a copy of your class schedule online via **myACC** (www.arapahoe.edu/myacc). Take your class schedule to the Bookstore (Littleton Campus - Main Building), to purchase your books, or purchase online at www.arapahoe.edu/bookstore.

Options for High School Students

Concurrent Enrollment is a program where ACC partners with school districts to offer college classes to high school students. Concurrent enrollment courses may be offered at the high school during the school day, or students may take classes at an ACC campus. Interested students should check with their high school to learn which options are available to them.High school, home schooled and underage (under 17) students not participating in the Concurrent Enrollment program may also take ACC classes. Contact the Student Recruitment and Outreach Office 303.797.5637 (Littleton Campus - Main Building) for more information about these options.

Residency

Residency requirements are determined by the Colorado Tuition Classification Law [CRS 23-7-101 et seq. 1973, as amended]. Non-resident tuition represents the cost of your education at public institutions. When a student is classified as a Colorado resident for tuition purposes, the difference between

the non-resident and resident tuition is paid by taxpayers of the State of Colorado. Therefore, tuition classification, as mandated by state statute, is adhered to rigorously at Arapahoe Community College.

We classify you as a resident or non-resident student according to the information provided on your Application for Admission. Contact the Admission and Records Office (Littleton Campus - Main Building) for information about required documentation for your residency status. If you are classified as a nonresident, and feel you meet the requirements for Colorado residency, you may appeal your classification. Submit a "Petition for In-State Tuition Classification," along with the required documentation to the Admissions Manager by the deadline date (30 days from the start of the term) for the semester in which you are seeking a classification change. Contact the Admissions and Records Office for further information at 303.797.5621 or email admissions@arapahoe.edu.

Who Qualifies for Resident Status

To qualify for resident tuition, you (or your parents or legal guardian if you are under 23 years old and not emancipated) must have been domiciled in Colorado for at least one year prior to the **first day of the semester that you seek residency**. Domicile for tuition purposes is determined by two factors:

1. Your ability to show a permanent place of residence in Colorado, and
2. Your ability to demonstrate your intent to remain in Colorado.

You can prove your intent by providing evidence of:

- Paying Colorado income taxes
- Being permanently employed in Colorado
- Owning residential Colorado real estate
- Holding a Colorado driver's license or vehicle registration
- Registering to vote

Honorably Discharged Veterans may be eligible for residency. You can submit a copy of your DD-214 to the Admissions and Records Office (Littleton Campus - Main Building) for review.

Resident Status for Active Duty Military

Non-resident active duty military personnel and their dependents may qualify for resident tuition by providing the following documents within 30 days of the start of the semester in which you are enrolling:

- Certification from your base personnel office that you are on active duty with a permanent duty station in Colorado
- A photocopy of your military or dependent ID card U.S. Military Service members of TDY (Temporary Duty) orders to Colorado and their dependents qualify for in-state tuition (but not COF) by providing the following documents within 30 days of the start of each semester in which they are enrolling:
- Documentation of assignment or orders and copy of sponsor's and student's Military ID are required Colorado National Guard members and their dependents qualify for in-state tuition (but not COF) by providing the following documents within 30 days of the

start of each semester in which they are enrolling:

- National Guard Certification form and copy of sponsor's and student's Military ID are required.

Please re-submit your documentation for each semester that you wish to be classified as a resident. You can submit the above forms to Admissions & Records (Littleton Campus - Main Building) or admissions@arapahoe.edu.

Western Undergraduate Exchange (WUE)

Western Undergraduate Exchange (WUE)

WUE is a program of the Western Interstate Commission for Higher Education (WICHE). Through WUE, students in most western states may enroll in many two-year and four-year college programs at a reduced tuition level. WUE's tuition is considerably less than non-resident tuition.

To be eligible for WUE, a student must be, and remain, a resident of one of the participating states / U.S. Territories: Alaska, Arizona, California, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming, or Commonwealth of the Northern Marianas Islands. If you have moved to Colorado in the last 12 months with the intention to attend ACC and plan to return to your home state after your education is completed, you may be eligible for the WUE program. No semesters in which a student is classified as WUE may be counted towards the 12 month domicile requirement to establish Colorado residency. Please be aware that online courses are not eligible for the WUE program.

To qualify, a WUE application form must be submitted no later than 30 days from the beginning of each term in which you are enrolling. The WUE Application form is available online at www.arapahoe.edu/forms. Submit the completed form by the deadline to Admissions & Records (Littleton Campus - Main Building) or admissions@arapahoe.edu.

Information on WUE is available at wue.wiche.edu. Questions may also be emailed to info-sep@wiche.edu or sent to Student Exchange Programs, Western Interstate Commission for Higher Education, PO Box 9752, Boulder, CO 80301-9752.

Paying For College

Tuition & Fees

Tuition, fees and charges are mandatory and support essential activities and services, student organizations and special events. Tuition is based on credit load and residency status. **Tuition, fees and charges are subject to change without notice.** Students with unpaid debts to ACC, any of its auxiliary enterprises, or any Colorado Community College System institution, will not be allowed to register until debts are paid. For detailed tuition and fee rates, please view online at www.arapahoe.edu/tuition-and-financial-aid/tuition-and-fees.

COF Stipend

College Opportunity Fund (COF) Stipend

In 2004, the Colorado Legislature established the Colorado Opportunity Fund (COF). Under this new law, the State gives money for a subsidy to students by sending it to the institution the student designates. This money, known as COF, is applied to a resident student's tuition if the student applies for and authorizes the use of the stipend. ACC will receive the money and it will appear as a credit on your tuition bill. Students who do not apply for and / or authorize the payment of the stipend to ACC by the appropriate deadline will be responsible for paying the COF portion of their tuition bill. Students who chose not to utilize their COF Stipend must decline the use of the stipend by a particular deadline each semester. Please contact the ACC COF Administrator (records@arapahoe.edu) for additional information.

Payment Options

Do not wait for a bill. Unless your account is paid in full, or you have a deferred payment plan in place by the semester payment deadline (published in the semester schedule), you may be dropped from your classes for an outstanding balance. Consult the Schedule of Classes for payment option details. Access **myACC** for a list of the semester payment deadlines. ACC may drop students from classes who have an outstanding balance.

Payment Plan Information

Payment Plan Payment Methods

- Automatic bank payment (ACH)
- Credit card/debit card

Cost to Participate

- $40 enrollment fee per semester
- $25 returned payment fee if a payment is returned

Simple Steps to Enroll

- Got to www.arapahoe.edu
- Log on to myACC with your student ID and password
- Click on "Student Finance" tab
- Click on "Nelnet"

Down payments are processed immediately. Other payments are processed on the 5th of each month and will continue until the balance is paid in full.

You can review your remaining payment plan balance at any time by following the steps above or contact the ACC Cashier's Office at 303.797.5638. For enrollment deadlines and down payment requirements, please visit ACC's Cashier's Office webpage.

Refund, Drop and Withdrawal Policy

Our refund policy is enforced for several reasons. When you enroll in a class, you reserve a space that is no longer available to others. At the same time, the state commits to paying a portion of the costs of offering you that course. Even if you officially withdraw, the state loses its investment in that space – while ACC loses the other percentage of expenses that your tuition and fees cover.

Ultimately it is the student's responsibility to ensure accuracy of their class schedule.

Dropping a Course

If a student drops a course by the course census (add / drop) date, they will receive a full refund of tuition and fees for that dropped course and the course will no longer appear on the student's academic record. Students may access their Detailed Student Schedule via myACC to view the census (add / drop) deadline for their course(s).

Students can drop online via myACC prior to the census (add / drop) date of the course(s). A course may not be dropped after the census (add / drop) date of the course and no refunds are granted after the census date of the course.

Drop for Non-Attendance

Students are expected to attend all classes. Students who do not attend between the first day of the course and the course Census (add / drop) date and who are identified as a "No show" by their Instructor, will be dropped. Being dropped as a no-show student can have significant negative consequences for students using financial aid and / or veterans' benefits. If a student is identified as a no-show student and dropped from a course, they will not be re-registered in that same section.

Attendance in an online course is defined as accessing the course and completing at least one academic activity. What constitutes an academic activity may vary from course to course based on the uniqueness of each course.

Instructors will inform students of their individual attendance policies. If a student misses too many sessions you may be advised to withdraw from a course.

Withdrawing from a Course

Students may withdraw from a course after the Census Date and prior to the Withdrawal Deadline (which occurs at 80 percent of the course term); students may withdraw online by accessing **myACC**. Students may view the withdrawal deadline for their course(s) by accessing their Detailed Schedule available via myACC.

Once withdrawn from a course, the student may not be re-registered back into the same section of that course during that semester. The class will still appear on the student's transcript along with a "W" grade. However, a "W" will not affect the student's credit or cumulative grade point average (GPA). Students who do not officially withdraw by the deadline date will be graded by the Instructor. **A "W" cannot be submitted by a faculty member as a final grade.** The College may initiate withdrawal in some instances. If a student withdraws from a course and has an unpaid balance, the student remains obligated to pay the outstanding balance. Unpaid balances are sent to collections and a collection fee is assessed.

Tuition Credit Appeal Due to Extenuating Circumstance

The College gives students the opportunity to submit an Appeal for Tuition Credit if there is an unforeseeable or extraordinary circumstance that prevents the student from dropping a course by the census (drop) deadline. For more information, please download and complete the Appeal for Tuition Credit form or contact the Dean of Students Office, located within the Dean of Students Office (Littleton Campus, Main Building, Room M2720).

Administrative Withdrawal Petition

The College gives students the opportunity to submit an Administrative Withdrawal Petition if there is an unforeseeable or extraordinary circumstance that prevents the student from withdrawing from the course by the withdrawal deadline. Administrative Withdrawal Petition decisions (approval / denial) are final. For more information, please download and complete the Administrative Withdrawal Petition form or contact the Records & Enrollment Services Office.

Financial Aid & Veterans Programs

ACC offers VA, financial aid grants, scholarships, student loans, work-study programs and other opportunities to assist you with the cost of your college education. In most cases, you can receive financial assistance for tuition and fees, books and supplies and miscellaneous expenses.

Applying for Financial Aid

To apply, you must be a U.S. citizen or eligible non-citizen and not be in default on any federal student loans or owe a repayment on a federal grant. Apply online for the Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov. The ACC FAFSA School Code is **001346**. For assistance with completing the FAFSA, ACC offers weekly FAFSA labs. For more information, or to register for assistance, please contact the Financial Aid Office at 303.797.5661.

If your file is selected by the Department of Education for verification, you may be required to provide the following additional information or documents before we can award financial aid:

- Your (and your parents') Tax Return Transcript
- Additional Income and Asset Information (TANF, SSI, Business Income, etc.)
- Verification Worksheets
- Other information as requested

The financial aid year begins with the fall semester each year. Financial aid is awarded on a first come, first served basis for all limited funding types such as certain grants and scholarships. Complete your FAFSA or CASFA application as early as possible.

Veteran Educational Assistance Programs

The evaluation of previous postsecondary education and training is mandatory/required for VA beneficiaries. For students utilizing Veterans benefits who are approved for transfer credit as a result of this evaluation, the institution will grant appropriate credit, reduce the program length proportionately, notify the student and Veterans Affairs in writing of this decision, and adjust invoicing of the VA accordingly.

Veteran Services is located in the Veteran Services Center (Littleton Campus, Main Building, Room M1605). ACC has been approved for most education and training programs by the Colorado State Approving Agency, including:

- Post 9/11 GI Bill® (Chapter 33)
- The GI Bill® (Chapter 30)
- National Guard/Reserve GI Bill® (Chapter 1606/1607)

- Survivors' and Dependents' Educational Assistance (Chapter 35)
- Veteran Readiness & Employment (Chapter 31)

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government web site at https://www.benefits.va.gov/gibill/.

To Apply for Veteran Education Benefits:

Visit the VA Web site http://www.benefits.va.gov/gibill/ to apply. In general, you will need the following before your benefits can be determined and awarded:

- Copy of your DD214
- NOBE- Notice of Basic Eligibility for National Guard or Reserve
- Form 22/1990 for New Veterans Obtaining Benefits
- Form 22/1995 for Veterans Continuing their Benefits
- Form 22/5490 for New Dependent benefit recipients
- Form 22/5495 for Continuing Dependent benefit recipients

You must be prepared to pay your own tuition, fees, books and supplies while the VA processes your certification/application. Contact the ACC Veterans Certifying Official at 303.797.5934 for more information.

VA student records will be kept on file in electronic format for a period of no less than 3 years as required by the Code of Federal Regulations (38 CFR 21.4209(f))

The following provides additional information about loans, federal and state grants, scholarships and work-study programs available. Please review all processes and procedures online at www.arapahoe.edu/paying-college/financial-aid.

Student Rights - You have the right to:

1. Know what financial assistance is available from ACC, including information on federal, state, and other financial aid programs.
2. Know the deadlines for submitting applications for each of the financial aid programs available.
3. Know the cost of attending ACC, the refund policy and the repayment policy.
4. Know the criteria used by ACC to select financial aid recipients.
5. Know how the College determines financial need. This process includes how costs for tuition, room and board, books and supplies, travel, and miscellaneous expenses are considered in establishing your budget.
6. Know what resources (such as parental contribution, scholarships, financial aid, income and assets, and other resources) are considered in the calculation of your need.
7. Know what portion of your financial need, as computed by ACC, has been met.
8. Request an explanation of the various programs included in your financial aid package, and to appeal for a review of your award if income or household information has changed.
9. Know what portion of your financial aid package is a loan that must be repaid. If your award package does contain a loan, you have the right to

know the interest rate, the total amount that must be repaid, repayment procedure, length of time you have to repay the loan and when payments are scheduled to begin.

10. Know what portion of your financial aid package is from part-time student employment, the conditions of employment, and how and when you will be paid.
11. Know how the College determines whether you are making satisfactory progress in your course of study and what happens to your financial assistance if you do not make satisfactory academic progress.

Student Responsibilities - you have the responsibility to:

1. Keep your physical address updated at all times.
2. Complete all application materials on time and submit them to the appropriate agency or office.
3. Activate your college assigned email account and monitor it at least once a week. This is critical to receive important information regarding awards or missing documentation.
4. Monitor financial aid requirements in **myACC** (Student Finance tab / Financial Aid Requirements channel)
5. Agree to the financial aid Terms and Conditions via myACC (Student Finance tab / Financial Aid Awards channel / Financial Aid Awards link) prior to accepting any financial aid awards.
6. Pay special attention to and accurately complete your application for financial aid. Errors can result in long delays in your consideration for financial assistance and may result in your inability to receive assistance due to the lack of funds. Intentional misreporting of information on applications for federal financial aid funds is a violation of the law and is considered a criminal offense subject to penalties under the U.S. Criminal Code.
7. Promptly return all additional information, documentation, verification, and/or corrections requested by the Financial Aid Office.
8. Read and understand all documents you are asked to sign, and keep copies for your personal records. The Financial Aid Office at ACC should not be used as a holder for a student's permanent records.
9. Read and accept full responsibility for all agreements you sign.
10. Notify your student loan lender(s) of changes in your name, address, and/or student status if you have a loan or loans.
11. Perform the work you have agreed to in accepting a College Student Employment award.
12. Know and comply with the refund/repayment policies and procedures of ACC.
13. Understand the conditions under which each element of your financial aid package is offered and comply with the criteria for retention of your financial aid awards.
14. Financial aid will only pay for classes that are included in your degree plan. For questions about classes that are aid eligible please contact Academic Advising.
15. Notify the Financial Aid Office if you receive assistance of any kind, from any source, that was not reported on

your application for financial aid. Any such additional sources of assistance may cause your aid package to be reduced or canceled. This includes but is not limited to:
    - Private scholarships/Foundation scholarships/grants
    - Bureau of Indian Affairs (BIA) Awards
    - Work Force Center Assistance
    - Vocational Rehabilitation (Voc Rehab)
16. Report financial aid received, with the exception of loans, to the Internal Revenue Service (IRS) as income if the aid received is greater than the tuition and fees charged plus the amount paid for books and supplies. Students are strongly encouraged to contact the IRS for specific details. Students are advised to keep records of tuition and fee charges, books, supplies, etc., for all semesters that you attended during a calendar year.
17. Classes taken by audit or portfolio do not qualify as financial aid hours attempted and will be considered as non-completion of a course.
18. A drug related conviction while receiving federal financial aid will disqualify you for aid for one year or more.
19. To review ACC's website regarding crime statistics.

Contact the Financial Aid Office for more information: 303.797.5661.

Grants

Federal Pell Grants

The Federal Pell Grant is a need-based grant funded by the federal government.

Eligible students must meet and maintain all the following requirements:

- Complete the FAFSA at www.fafsa.gov
- Have a demonstrated financial need which is determined by your FAFSA results.
- Must not exceed six year's worth of Pell Grant funding. This includes previous coursework at other institutions, as well as ACC.
- Be an undergraduate student working on a first degree
- Be enrolled as a degree-seeking student
- Meet Satisfactory Academic Progress (SAP)
- The award amount will depend on the number of credit hours enrolled during that semester

Colorado Student Grant

The Colorado State Grant (CSG) is a need-based grant that is funded by the State of Colorado. Eligible students must meet and maintain all the following requirements:

- Complete the FAFSA at www.fafsa.gov.
- Be enrolled in an undergraduate degree-seeking program
- Be enrolled in at least half time (6 credit hours), and meet Satisfactory Academic Progress (SAP) for all 6 credit hours
- Have a demonstrated financial need which is determined by FAFSA results
- Meet the March 1 priority deadline.
- Be a Colorado resident.

Federal Supplemental Education Opportunity Grant (FSEOG)

A Federal Supplemental Educational Opportunity Grant (FSEOG) is a grant for undergraduate students with exceptional financial need. To be considered a FSEOG award, a student must meet the following minimum eligibility requirements:

- Complete the FAFSA at www.fafsa.gov
- Have a demonstrated financial need which is determined by FAFSA results
- Must be PELL eligible with the lowest Expected Family Contributions (EFCs) which is determined by FAFSA results
- Be an undergraduate student working on a first degree
- Be enrolled as a degree-seeking student
- Be enrolled in at least half time (6 credit hours), and meet Satisfactory Academic Progress (SAP) for all 6 credit hours
- Meet the March 1 priority deadline

Loans - William D. Ford Federal Direct Loan Program

Federal Direct Loan

This loan is offered as either subsidized or unsubsidized. The amount of the loan that a student is eligible for is based on year in college, program length, need, dependency status, etc. Students who can demonstrate financial need through the FAFSA are eligible to get a subsidized Federal Direct Loan. Loans that are subsidized do not accrue interest as long as the borrower remains enrolled in at least six (6) or more credit hours. Repayment begins six (6) months after the student is no longer enrolled in six (6) or more credit hours. Students who cannot demonstrate financial need for the maximum loan each year may be eligible to receive an unsubsidized Federal Direct Loan. The student is required to pay the interest on this loan from the time the loan is disbursed by the lender. Federal Direct Loans are provided through the US Department of Education Direct Loan Program. They are guaranteed and insured by the Federal Government.

Federal Direct Parent Loan for Undergraduate Students (PLUS)

Parents of dependent students may qualify for this loan program. If a financial aid award offer is not sufficient for a dependent student's needs, a PLUS loan can be taken by parents for the benefit of their student. This loan requires that parents complete a credit check and assume responsibility to repay the loan. If the parents are denied this loan, check with the Financial Aid office for further options. Repayment of PLUS loans begins sixty days from the second disbursement of the loan.

Work Study

Work-Study is a financial aid award that allows students to work part-time on campus at ACC. Preference is given to students who meet the March 1 priority deadline, and indicate their desire to work on the FAFSA. Students must be enrolled in a minimum of six (6) credit hours and can work no more than 20 hours per week.

Return of Title IV Funds

The federal regulation requires a return of Title IV funds if a student received federal financial assistance and withdrew or ceased

attendance for any reason on or before completing 60% of the enrollment period. The percentage of Title IV aid to be returned is equal to the number of calendar days remaining in the enrollment period divided by the number of calendar days in the enrollment period. Scheduled breaks of more than five consecutive days are excluded from the total number of calendar days.

The office of financial aid is required to calculate how much federal financial aid a student has earned if that student:

- Completely withdraws, or
- Stops attending before completing the semester, or
- Does not complete all modules (courses which do not span the entire length of the payment period)

*For students enrolled in modules: A student is not considered as withdrawn if the office financial aid obtains a written confirmation at the time of the withdrawal that he or she will attend a module that begins later in the same enrollment period. The newly added courses will also count as a positive confirmation of future attendance if the student registered for the course or courses at the time of a withdrawal. Dropping courses in a later module while still attending a current module is also not considered to have withdrawn.

- The official withdrawal date will be either the date the student begins the withdrawal process or the date the student provides official notification of intent to withdraw. The unofficial withdrawal (for a student with failing grade) will be reported by the instructors based on the last date of attendance.

Percentage of Title IV Aid Earned
Days Attended / Total Days in the Enrollment Period = % Completed

Amount of Title IV Aid Earned
Total Disbursed Aid x % Completed = Earned Aid

Amount of Title IV Aid to Return
Total Disbursed Aid - Earned Aid = Amount to be Returned

- If the percentage completed is higher than 60%, the student has earned all the Title IV funds for the period.
- If a student who received financial aid never attends, all disbursed funds will be returned.

Return of Unearned Title IV Aid (34CFR 668.22)

The federal regulations require schools to perform calculations within 30 days from the date the school determines a student's withdrawal and to return the funds within **45 days** of the calculation.

If a student does not pay the balance owed to the institution within 45 days of the date of notification, the balance will be forwarded to the State of Colorado Collections Agency and the student's records will be placed on financial hold. In addition, any grant funds owed to the government will be transferred and reported as an "overpayment" to the U.S. Department of Education.

Aid Programs Subject to the Repayment Calculation will be returned in this Order

- Federal Direct Loans: Unsubsidized and Subsidized
- Federal Parent PLUS Loan
- Federal Pell Grant

- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Other Federal Aid

Student Resources and Services

Accommodations - Disabilities

In accordance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act, ACC provides students with documented disabilities academic accommodations based on an individual needs assessment. Support services may include:

- Test accommodations
- Readers
- Scribes
- Interpreters and/or amplification devices
- Ergonomic furniture and equipment
- Materials in alternative formats
- Note takers
- Assistive computer equipment
- Class assistants

To request accommodations, contact Disability Access Services in Room M2710 of the Main Building at the Littleton Campus, or call 303.797.5937. Students with disabilities are responsible for providing documentation of disability from a qualified professional.

Address Changes

Students are required to provide an address on their applications for admission. Students are required to keep this address current and may update this address via self-service in the student information system. You can update your address and other contact information at www.arapahoe.edu by accessing **myACC**.

Advising

Academic advising is a crucial first step if you are beginning a college program. Advisors will help you explore academic goals and select courses based on basic skill assessment tests and programs of study. New and continuing students are encouraged to meet with an Advisor every semester to help clarify goals and stay updated on program changes. The Advising office also offers assistance in:

- Registration
- Selecting courses based on placement test results
- Choosing a program of study or major
- Course sequencing and prerequisite selection
- Add/drop and withdrawal process
- Selecting courses for transfer to a four-year college or university
- Referral information and contacts with agencies prepared to meet specific student needs

Connect with Academic Advising: 303.797.5664. Academic Advisors are available to meet with students at the Littleton Campus and Sturm Collaboration Campus at Castle Rock.

Assessment

Basic Skills

Any student who is a first-time college student, is planning to enroll in college-level English or math, or is a recent high school graduate, must complete assessment in English and math. The purpose of assessment is to provide the student with

information useful in selecting courses and planning for success in college.

There are many options for students to be assessed, including a review of recent high school coursework, ACT / SAT scores, or a placement test.

Students are strongly encouraged to schedule an appointment to take the college placement test at the Littleton campus; the Testing Center is located in the Main Building Room M2210. Call the Testing Center at 303.797.5993 for days and hours. Testing is also available at the Sturm Collaboration Campus at Castle Rock (303.660.3160) please call to make an appointment. Placement test accommodations are provided to qualified students with disabilities. To request accommodations, contact Student Access Services in Room M2710 in the Main Building of the Littleton Campus, or call 303.797.5937; v/tty users should call Relay Colorado at 711.

Some ACC programs require specific minimum assessment scores for admission; please refer to the admission requirements for the specific degree / certificate in this Catalog or on the Degrees and Certificates webpage.

A charge is assessed to take the assessment college placement test; the charge is payable to the ACC Cashier's Office. When the placement test is taken, a student must wait a minimum of 24 hours before they are able to take the placement test a second time.

A charge is assessed for each portion of the college placement test you retake. **If you test below college level in two or more of the assessment test subjects, you will be required to meet with an Advisor before registering and you may be required to enroll in certain courses.** The College provides materials if you want to review skills before taking the college placement test. The materials are available at on the Testing Center webpage. Students who have applied to ACC for the current semester may use Math Support and Writing Lab for additional support for placement testing.

Bookstore

The Bookstore, on the first floor of the Littleton Campus Main building, is the official source for new and used books. You can order books, review our refund and buy-back policies, and access other store information at http://www.efollett.com/. The campus bookstore sells school supplies, bargain books, laptops, software, ACC gifts and apparel, study guides, greeting cards, technology supplies and more.

Campus Police

The Campus Police Department is a full service department that consists of professional police officers and staff dedicated to working in partnership with the campus community. Services include: taking incident reports, investigating alleged crimes, providing motorist assistance, safety escorts, managing lost and found, first response to emergency situations and victim assistance referrals.

Parking Services

Parking Fee - Any motor vehicle parked in a parking lot at any ACC campus must display a valid parking permit or pass.

- Parking Fee - $25.00 per semester or $40.00 per year
    - Allows parking in ACC lots.

- Fee is $25.00 FALL Semester - May 15 - December 31
- Fee is $25.00 SPRING Semester - January 1 – August 15
- OR Fee is $40.00 Annual Parking Pass - July 1 - August 15 of the following year

To purchase your parking pass

- Pay online through Cashnet - Paying here allows you to select from two options: pick up your pass or have pass mailed to you. Passes purchased here will not reflect on your student ledger. Print/Save your payment confirmation.
  OR
- Login to myACC and:
  - Go to the "Student Finance" page
  - Go to Payment Options and Refunds section (in the left column) and click on "Pay with Credit Card – Optional Purchases"
  - Select the parking pass option you would like and select "Add to Payment" and then pay. Paying here does not allow a mailing option to be selected. Passes purchased here will show on your student account.
  - Print/Save your payment confirmation

To get your physical parking pass, stop by an ACC Campus and with your printed receipt and go to:

1. Littleton Campus – Campus Police
   Monday – Friday: 10am – 1pm
   across from the Welcome Center (2nd Floor, Main Building)
   Tuesdays: 4:30-7:30pm in **the Campus Police Office (M2630)**
   After hours and weekends – **call from the campus police phone at M2630 (limited availability)**
2. Sturm Collaboration Campus – Welcome Desk
   Monday – Wednesday: 8am – 8:30pm
   Thursday – Friday: 7:30am – 5pm
3. Have your parking pass mailed to you by selecting the mailing option in your cart when you purchase your parking pass online through Cashnet.

Security Phones

Littleton campus classrooms have in-house security phones. The Campus Police Department can be reached by calling ext. 5911. If no immediate answer, call 9-911.

Classrooms at the Parker campus and the Sturm Collaboration Campus in Castle Rock have in-house security phones. These phones are in-house and 911 only. For 911 these must be dialed as 9-911

Code Blue emergency phones are located in each parking lot at ACC's Littleton campus, Parker campus, and the Art and Design Center.

Cancelled Classes

If a class is canceled, staff will make every effort to notify you before you arrive at class. In addition, notices will be posted near the classroom and messaged in Desire2Learn (D2L). If there is no posted notice and your Instructor does not appear, check with the school office (Littleton Campus, Annex, A2000).

Insufficient Enrollment

The Vice President for Instruction may cancel any course with insufficient enrollment. Every effort is made by staff to contact students affected by these cancelations.

Career & Transfer Services

Career and Transfer Services is here to help students develop their career and academic plan and transition from ACC to continuing education or the workplace. Services include career exploration and decision-making, job search and employment services, and transfer information. Contact the Career & Transfer Services office today at 303.797.5805 or email careers@arapahoe.edu.

Career Exploration and Planning

Undecided about a major or career? Career exploration can help students make one of the more important decisions in their life. Career assessments are available, both free and for a nominal fee. Career and Transfer Services provides up-to-date information on career decision making and occupational information. Students can develop a career plan to fit their needs and focus their future, based on realistic self-knowledge.

Employment Services Available

- Full-and part-time, temporary and seasonal employment postings
- Resume critique and job search counseling
- On-campus employer recruiting
- Job fairs, job search, resume writing and interview technique seminars

Career and Transfer Services will work with students to answer specific questions about their job search and can provide practice interviews.

Transfer Information

Resources and information are available to assist students with making decisions about their next steps beyond ACC and to pursue transferring to a four-year college or university. Transfer Services facilitates visits with transfer advisors from several universities and hosts an annual College Transfer Fair.

College Closure

Download the ACC ALERT app. It's the official safety app of Arapahoe Community College. The app will send you campus emergency, weather and traffic alerts. It also features emergency contacts, location services, tip reporting and much more. Share the app with your family and friends.

All students, faculty and staff are automatically registered to receive ACC Alert emergency alerts by phone, text, and email.

Weather alerts will be made as soon as possible and will be announced on the ACC Alert app, text message, email, ACC website, TV media and ACC social media (Facebook, X, Instagram @ArapahoeCC)

Emergency Messages

There is no paging system at ACC, but emergency message delivery will be provided through the Campus Police Department (303.797.5800). We cannot tell callers where a student can be found, but we will make every effort to locate a student with a message about a REAL emergency (family / medical).

Grade Reports

Grades are not mailed. Students may access their grades at www.arapahoe.edu by accessing **myACC**.

Learning Options

In addition to traditional classroom-based courses that are a full semester in length, ACC offers a variety of courses in other formats to help meet the needs of students. Courses may be accelerated, running in fewer than 15 weeks. Common examples are 10-week and 7-week options. Courses may also be offered online or in a hybrid format (partially online and partially classroom-based),

Accelerated Courses

Accelerated courses are shorter than the traditional 15-week full-semester length courses. Accelerated courses accomplish the same course objectives, cover the same content, and meet all of the same contact hours as traditional courses.

Arrangement Courses

Arrangement courses require students to complete projects and class activities with faculty direction.

Hybrid Courses

Hybrid courses have less classroom time than traditional classes and provide additional online activities and online class content. Students may use computers at the Open Computer Lab at ACC's Littleton campus to meet the online requirements of the hybrid class.

Independent Study

Independent study is to meet your individual needs and to foster strong faculty and student connections. This course format allows you to learn and study at your own pace under the guidance an Instructor. If you are interested in an Independent Study course, talk to an Academic Advisor or an Instructor. You must complete a contract when you register that includes the course title, credits, learning objectives and strategies. For more information, contact the Admissions and Records Office at 303.797.5621.

Online Courses

Online courses are regular college-credit courses that are taught online as opposed to in the classroom. Though online courses require due dates and interaction with other students in the class, they offer flexibility to the busy, highly motivated, self-directed student. If you wish to take an online course you must have access to a computer with up-to-date hardware and software, and stable / reliable Internet connectivity. Students may use computers at the Open Computer Lab at ACC's Littleton campus.

Webcast Courses

Webcast courses provide the access convenience of online courses, with the in-person faculty and student interaction of traditional classroom-based courses. Students attend Webcast courses on scheduled days and times, but they attend via the web utilizing software that allows the students and faculty to see and interact with each other.

Library and Learning Commons

303.797.5090

librarians@arapahoe.edu

The ACC Library & Learning Commons is a hub of in-person and virtual academic

support located on the 2nd floor of the main building on the Littleton Campus. The Library supports students at all three campuses as well as concurrent enrollment students at local high schools. Within the Library & Learning Commons, students have access to desktop computers, laptops, printers, iPads, a 3D printer, an Oculus virtual reality headset, a scanner, an instruction lab, large and small group study rooms, and a dedicated Law Library. Desktop computers are located on both floors and laptops can be checked out for use within the Library. All computers print to black/white and color printers. Every student begins the semester with $25.00 in free printing. The Reserve Collection includes some required textbooks and objects such as anatomical models, microscopes, and slides. Professional tutoring services are also available in the areas of writing, math, and biology.

During open hours, our librarians are eager to help in-person or online with research needs, assist with proper citations of sources, or just recommend a good book. When the Library is closed, students can access our 24/7 reference chat service through our website.

Name Changes

If your name changes for any reason, contact Records & Enrollment Services immediately at 303.797.5621 or records@arapahoe.edu. Documentation will be required to officially change your legal name at ACC; examples of acceptable documentation are: marriage certificate, valid Colorado Driver's License, valid Colorado Identification Card (issued by the Colorado Department of Motor Vehicles), United States Military Card, United States Military Dependent Identification Card, United States Coast Guard Merchant Mariner Card, Native American Tribal Document, United States Passports (except for "limited" passports), or Birth Certificate from any state, the District of Columbia and all United States territories (valid photo ID must accompany birth certificate).

Open Computer Lab

The Open Computer Lab is on the first floor of the Main building at the Littleton campus and is available for use by current ACC students. For information about the technology available, and how to access the Open Computer Lab, please visit the Technology at ACC webpage.

School Email Address

All ACC students are assigned a school email address upon enrollment in their first course at the College. You will be notified of the school email address via email (to your personal email address) following your course enrollment. You will be able to access your email address via myACC at www.arapahoe.edu/myacc.

Once the school email address has been assigned, ACC communicates with students via email only through the school-issued email address and all official college communications and notifications will be to the school-issued email address.

Smoking Policy

Smoking, including vapor cigarettes, is prohibited in all College buildings as directed by the Governor's Executive Order D0036 90. Smoking is also prohibited on all ACC properties.

Student Class Definition

Your academic year classification is made according to the number of credit hours you have completed. We use the following definitions to determine your classification:

Freshman: A student who has successfully completed fewer than 30 semester credit hours.

Sophomore: A student who has successfully completed 30 - 59 semester credit hours.

Junior: A student who has successfully completed 60 - 89 semester credit hours.

Senior: A student who has successfully completed 90 or more semester credit hours.

Student Handbook

The Student Handbook is an essential resource for students at ACC. The Handbook includes detailed information about renting a locker, posting items on the bulletin boards, opportunities in and around campus, Student Rights and Responsibilities, the Code of Conduct and much more. The Student Handbook is available online. Please direct any questions about the Student Handbook to Dean of Students Office, Littleton Campus, Main Building, Room M2720.

Math Support

Math Support provides free tutoring by faculty and students for all math classes. Tutors provide assistance with math concepts, homework, online resources and graphing calculators. For more information, visit Tutoring & Learning Resources in M2570 or call 303.797.5669.

Tutoring is offered by a variety of ACC Math Tutors online, virtually through Zoom and some in-person sessions. Sign up for your tutoring sessions through Navigate by clicking on "Appointments" and then clicking "Schedule an Appointment." Select your math class and then the time that works in your schedule. Sessions are 30 minutes each and are limited to 3 students per tutor. View our step-by-step instructions about how to schedule your appointment through Navigate or watch the video on the ACC Math Support webpage.

Student Photo ID

ACC issues an Electronic ACC ID Card to all students at the time of admittance to ACC. The Electronic ACC ID Card is embedded in the acceptance letter. Students may print it or take a screen shot of it and retain the screen shot on their phone. Students who are having difficulty locating their acceptance letter and Electronic ACC ID Card may contact the Records & Enrollment Services office at 303.797.5621 or records@arapahoe.edu.

Student Rights, Freedoms & Responsibilities

Through its procedures, Arapahoe Community College (ACC) ensures the rights of all its students to pursue their educational objectives. The ACC community includes students who are enrolled in ACC courses for credit or non-credit courses, including Community Education courses. The ACC community also includes faculty, staff, administrators and guests.

A student is subject to two sources of authority:

College authority and civil-criminal authority. ACC also expects students who are enrolled in specialized programs to follow the standards specified in their respective program handbooks (e.g., Nursing, Law Enforcement Academy and Emergency Medical Technician).

Judicial processes, including code of conduct, academic honesty statement and grievance procedures are stated in the ACC Student Handbook.

The Handbook is available in the Dean of Students office, Littleton Campus, Main Building, room M2720 or online. For answers to specific questions, contact the Director of Students office at 303.797.5730 or acc.dos@arapahoe.edu.

Tutoring & Learning Resources

Tutoring & Learning Resources is a free, drop-in / appointment based / virtual tutorial service staffed by advanced students who have excelled in their classes. Students can work individually with tutors in person as well as online and also attend small group sessions that focus on specific courses. From time management to test taking, tutors offer valuable tips on what it takes to be successful. For more information, visit Tutoring & Learning Resources, located in the Library at the Littleton Campus, Main Building, M2570, call 303.797.5669, or email tutoring@arapahoe.edu.

Writing Lab

The Writing Lab is an appointment based tutoring service that offers one-on-one tutoring sessions (in-person and online). The Writing Lab works with student writers of any skill level and can provide support and guidance for all college writing assignments. We can assist with resumes, cover letters and scholarship essays. While not a proofreading or editing service, we are happy to help with proofreading, revision and documentation. Please visit the Writing Lab webpage or schedule an appointment or call 303.797.5893.

Wireless Internet

ACC provides open wireless Internet access at all three campuses; Littleton, Parker, and Sturm Collaboration Campus at Castle Rock. Wireless access is provided via the "ACC" wifi network on campus. This is an open network; no password or username is required to use the "ACC" WiFi network.

ACC has improved the WiFi signals around the ACC Littleton Campus. View the MAP. The stars indicate where WiFi access points are located (Lot A, Lot B, Lot C, Lot D, Lot E, Lot G, Lot H, Lot I, the North Building, the Main Building, the Annex Building, The South Building, and the South Lawn).

Student Academic Records

FERPA

ACC keeps an active, cumulative record of every student's application, correspondence and other important details (e.g., discipline records, Financial Aid records etc.). The Records & Enrollment Services Office keeps the following in the student's file:

- Name, address, phone number, gender and student number. Students should be sure to keep their address current to ensure that all information sent from ACC reaches them.

- Educational background: Any high schools or colleges they attended and the transcripts they submitted from those institutions*
- The student's major and degree expectations
- Degrees the student has earned
- The student's college transcript, including the hours they attempted, grades, credits and their dates of enrollment
- Courses, credits and hours they are currently taking
- Once a regular college student (age 17 or older who is no longer in high school) has no grades posted to their record for one year, their file is stored under an "inactive" classification. After a period of time, an inactive student's file is archived and later destroyed in accordance with the regulations of the Colorado State Archives.

*All documents received (including transcripts - high school or college; official or unofficial) become a part of the student's academic record at ACC and may not be reproduced from ACC.

The Records & Enrollment Services Office is responsible for the security of student academic records. Under the Federal Family Educational Rights and Privacy Act, the information in a student's file may only be released under specific conditions. Current or former students of ACC have complete access to view their records in compliance with the requirements under the Federal Family Educational Rights and Privacy Act of 1974 (Public Law 93-389 Subsection 513,88 Stat. 571; 29 U.S.C. 1232 q). Students may view them upon request at the Records & Enrollment Services Office. If a student feels their records contain an error, they may appeal in writing to the Registrar.

The following items will be designated as "Directory Information". ACC may disclose any of this information without prior written consent, unless notified by the student in writing to the contrary by the first official class meeting date of each semester. Directory Information is limited to the current academic year only:

- Student name
- Major field of study
- Participation in officially recognized activities and sports
- Dates of attendance
- Degrees and awards received
- Most recent educational institution attended

The student's name may be released for graduation listings and lists of special awards, honors and events released to the news media. The student's name and degree may also be released to employers for followup graduate surveys. Following their program completion, students may be contacted by the ACC Foundation and Alumni Association utilizing the contact information on file at ACC.

A student's name and address may be released to Phi Theta Kappa Honor Society and other academic honor societies for students who are eligible to be considered for membership.

ACC is not authorized to release (to another institution / organization, or the student) transcripts received from high schools, and / or other colleges and universities.

If a student does not wish the College to release the directory information, the student must complete a Confidential Flag,

available from the Records & Enrollment Services Office in Room M2480 of the Main Building at the Littleton Campus. If the student has requested restricted release of information, they cannot perform any personal business with ACC over the phone or via email. The student must conduct all of their business in person or online to protect their privacy. College staff will not be able to assist with telephone or email transactions of any kind, this includes, but is not limited to, calling for registration assistance, calls from a student's family, their child's school or daycare, etc.

All other information contained in a student's records is considered private and not open to the public without their written consent. Only the following school officials, because of their official function, have access to this information:

- A person employed by the College in an administrative, supervisory, academic, research or support staff position
- 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, autitor, or collection agent)
- A student serving on an official committee, such as disciplinary or grievance committee, or who is assisting another school official in performing his or her tasks
- Official at another school, college or university where you seek or intend to apply
- Official of a Colorado institution that has transfer agreements with ACC and who wishes to contact graduates
- State or federal education authority
- Official evaluating your application for financial aid
- State and/or local official requesting reporting data
- Organization conducting studies for educational institutions or agencies
- Accrediting organization
- Parent of an dependent student (proof of dependency is required)
- Veterans Administration
- National Student Clearinghouse

Under the following circumstances, ACC may also provide information without your consent:

- Judicial orders
- Emergencies, where the information contained in your file is needed to protect your safety, health or welfare, or that of other persons.
- In compliance with the Solomon Amendment.

A copy of the Family Educational Rights and Privacy Act is available in the Records & Enrollment Services Office.

Transcripts

Transcripts

ACC contracts with Parchment to issue official ACC transcripts. Students must request official transcripts by ordering them online through the Parchment system.

ACC charges for all transcript requests and offers electronic and paper delivery options.

ACC is not authorized to certify or release (to another institution / organization, or the student) transcripts received from other colleges, universities or high schools.

Students with questions about how to order their official ACC transcript may contact the

Records & Enrollment Services Office at records@arapahoe.edu, or 303.797.5621.

Transfer Transcripts & Credit Evaluations

Transfer Transcripts and Official Credit Evaluations

Students must be admitted to ACC to have an official transfer credit evaluation. To have their transcripts evaluated, students must order their official transcripts and have them sent DIRECTLY to ACC from each institution(s) the student attended. **Hand-delivered transcripts will not be accepted as official for transfer credit evaluation purposes.**

****Effective Spring 2026 (transcripts received after September 8, 2025), ACC will transfer in all courses with an ACC college equivalency and meet other transfer guidelines (age, credits, content), regardless of degree/certificate applicability.****

ACC utilizes the following guidelines to evaluate transfer credit:

- The institution must possess institutional accreditation from one of the following accrediting bodies:
    - Higher Learning Commission
    - Middle States Commission on Higher Education / Mid-Atlantic Region Commission on Higher Education
    - New England Association of Schools and Colleges
    - Northwest Commission on Colleges and Universities
    - Southern Association of Colleges and Schools Commission on Colleges
    - Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges
    - Western Association of Schools and Colleges, Senior College and University Commission
- Transcripts will be evaluated within 30 days after student is admitted and ACC receives the official transcript. ACC evaluates transcripts on a rolling basis upon receipt of official transcripts.
- ACC performs a course-by-course evaluation of all transfer credits. ACC transfers all courses with an ACC college equivalency and that meets other transfer guidelines (age, credits, content), regardless of degree / certificate applicability. Once transferred, transfer credits are considered part of the student academic record and are not removed or deleted.
- Students wishing for a transcript re-evaluation based on a major change should email Records & Enrollment Services at records@arapahoe.edu with the request.
- Evaluation of the title, description, content, and age of the course being considered for transfer, compared to the course required in the degree or certificate at ACC.
- Credits accepted in transfer from institutions operating on a quarter hour system, will have their credits

converted into semester hours. The formula to convert quarter hours to semester hours is: (credit hours x two) / three. For example, a three quarter credit hour course will convert to a two semester credit hour course (3 x 2 = 6; 6 / 3 = 2).

- The credit value of the required course at ACC must be covered in full by equivalent transfer course credit value. If appropriate based on a review of the title, description and content of the transfer courses, multiple transfer courses may be combined to be considered equivalent to the ACC course. *
- A student must complete a minimum of 25% of the credit requirements for a degree or certificate in residence at ACC.*
- A grade of "C-" or better is required for a course to be considered for transfer. *
- Remedial / college prep courses will not be accepted
- Courses will not be accepted that are offered from an academic area not taught at ACC
- Transferred credits are not counted in ACC term or cumulative GPA, but may meet degree requirements.

***Please note:** some degree or certificate programs may have more restrictive transfer credit evaluation requirements; please contact the Records & Enrollment Services Office at records@arapahoe.edu for more information.

Students will receive confirmation of their transfer credit evaluation to their student email after their transcript(s) have been evaluated. Students can check what courses were transferred in and how they apply to their declared degree or certificate program by accessing DegreeCheck in **myACC**. Decisions regarding which courses may/may not transfer are determined by the Records and Enrollment Office in accordance with ACC transfer credit evaluation guidelines. Questions regarding a transfer credit evaluation should be directed to the staff that evaluated the official transcript or the Records & Enrollment Services Office at records@arapahoe.edu. Students may appeal any transfer credit decision by completing the Transfer Credit Appeal.

International transcripts are not evaluated at ACC. If you have an international transcript that you would like to have evaluated for possible transfer credit, please work with a NACES-approved credential evaluation services member.

Disability Records

Record of Disability

Documentation of disability provided to the Disability Access Services office is maintained in accordance with the Americans with Disabilities Act, Section 504 of the Rehabilitation Act, and the Family Educational Rights and Privacy Act. Information from a student's education record that is maintained by Disability Access Services will be released under the following circumstances:

- When other ACC staff or faculty require information from their records for a legitimate educational interest or for the health and safety of the student or others.
- When the student signs a written request asking Disability Access Services to release their

information to a specific ACC department or person.
- To off-campus authorities as authorized by law.

Degrees and Certificates

Students enrolling at ACC follow the major requirements of the catalog at time of admission. When students interrupt their continuous attendance at ACC for three consecutive terms, or change their degree or certificate program, they will become subject to the program requirements of the catalog of update term.

Students wishing to update their major must complete a Major Change Form. Major changes or additions must be made prior to the semester census date (drop date); major changes or additions requested after the census date will be made effective the next academic semester. Before changing a major, it is recommended that you consult with your academic or financial aid advisor. Change majors could delay graduation and impact financial aid eligibility.

Academic Policies and Procedures

Academic Renewal

Academic Renewal allows for a one-time exclusion of a maximum of 30 semester hours of credit from the calculation of the cumulative grade point average. The following criteria apply for Academic Renewal:

1. A maximum of 30 hours can be excluded from the GPA.
2. Courses and grades approved for Academic Renewal remain on the transcript but are excluded from the GPA calculation(s).
3. Academic Renewal applies to D and F grades only.
4. In order to apply for Academic Renewal, students must wait a minimum of two (2) academic years from the last term being considered for Academic Renewal.
5. Students must be enrolled and have completed at least six (6) credit hours in a single semester with a 2.0 term GPA in that semester to be awarded Academic Renewal.
6. Students can only apply for Academic Renewal once, and it is not reversible.

To request Academic Renewal, students who meet the criteria must meet with an Advisor and submit the completed Academic Renewal Request form (available online).

Academic Standing

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

Recognizing the value of measuring academic progress for all students, ACC (as

a member of the Colorado Community College System) has established the following practice and procedures for measuring and notifying students of their academic standing. A student's academic standing at one college may impact a student's ability to register at another CCCS college. Students will be notified of their sacademic standing at their student email address only.

Definitions:

- Only college level classes will be used to calculate term and cumulative Grade Point Average (GPA); this does include summer term courses.
- Only courses taken "in residence" will be used for this procedure; "in residence" means taken at ACC. Courses taken elsewhere and transferred in do not apply. The GPA calculations for this procedure may not match those used for financial aid purposes.
- Cumulative Grade Point Average will be abbreviated as CGPA.
- Term Grade Point Average will be abbreviated as TGPA.

Practice Standards:

Initial Standing

Student has attempted **fewer** than nine (9) cumulative credit hours with a CGPA => 2.00 for all classes attempted.

Academic Alert

Student has attempted **fewer** than nine (9) cumulative credit hours with a CGPA< 2.00 for all classes attempted.

Good Standing

Student has attempted **at least** nine (9) cumulative credit hours and has a CGPA => 2.00 for all classes attempted.

Performance Support

Student has attempted **at least** nine (9) cumulative credit hours and has a CGPA < 2.00 for all classes attempted.

Performance Improving

Student on Performance Support or Returning Support earns a TGPA of at least 2.00 for all classes completed during the term, but fails to raise their CGPA to at least 2.00 for all classes completed, the student will be allowed to attend the next term as Performance Improving.

Academic Suspension

Student on Performance Support, Returning Support or Performance Improving earns a TGPA of less than 2.00 for all classes attempted, the student will be suspended and will not be allowed to enroll at ACC for the next term. Any student placed on Academic Suspension will be dropped from all courses in which they are enrolled for future semesters. Students on Academic Suspension have a right to appeal.

Academic Suspensions are for one term only. If a student who served a suspension wishes to return, the student will be allowed to re-enroll after completing the Academic Suspension Appeal and Reinstatement Form and meeting with Advising Office designee. The student will be placed on Returning Support for their return semester. Students suspended from ACC are not suspended from other CCCS colleges.

Returning Support

Student is returning from Academic Suspension.

Academic Suspension - Appeal

If a student has unusual circumstances of a compelling nature, they may appeal their Academic Suspension by submitting an Academic Suspension Appeal and Reinstatement Form to the Executive Director of Advising and Retention. Academic Suspension appeal deadlines are listed on their Academic Standing notification email.

Registration (Add, Drop & Withdrawal)

It is the student's responsibility to ensure accuracy of their schedule; this includes meeting all registration rules and deadlines.

The Census Date, also referred to as the Add/Drop Date, is the last day a student may add or drop a course. The Census Date occurs at 15% of the course term.

ACC has three semesters - Summer, Fall and Spring - and students may start attending classes beginning any semester. Semester registration typically opens in the following timeframes:

- Summer - early to mid March
- Fall - early to mid March
- Spring - early November

There are rules and deadlines associated with registration, some important ones include:

- Students must be registered prior to the first day of the course.
    - No registration is permitted after the census date (add/drop date), regardless of prior course attendance or drop reason.
- Students must complete all course section changes by the course census date (add/drop date).
- Students must meet all course pre-requisites and / or co-requisites.
    - View the ACC course catalog for course prerequisite requirements.
    - Students who took the prerequisite course at another institution need to provide an unofficial transcript to the Records and Enrollment Services Office showing the prerequisite course completed with a C or better. Students needing to meet a prerequisite using a course at another institution should allot at least ten business days for the Records and Enrollment Services Office to review and process any transcript review request.
- Some programs have a separate admissions process and students must be admitted into the program prior to course registration.
    - View the program's web page for more information.
- Some courses require special permission from the Department Chair or Instructor.
    - In these cases, the Department Chair or Instructor will grant the student permission to register in the course.
    - Students registering in special permission courses must meet all registration deadlines.

- Students may drop or withdraw from courses; there are deadlines associated with each.
    - It's important for students to understand the financial impact of dropping or withdrawing from courses.
- ACC may drop a student from their courses under certain circumstances.

Adding a Course

Students are advised to be registered before the first day of class; however, the latest a student may be able to register for a course is 5 p.m. on the course census date as long as the student has attended the class. Courses in certain programs and CCCOnline courses may have different registration deadlines. Students may not register for a course if the course census date (add/drop date) has passed.

Students may register:

- Online via myACC or Navigate through the first 7% of the course (typically the first week for 15- and 13-week courses).
- With a Schedule Adjustment Form after the first 7%, but prior to the census date (add/drop date).
    - The completed Schedule Adjustment form must be submitted to the Records & Enrollment Services Office prior to 5pm on the course census date.
    - An incomplete Schedule Adjustment form will not be accepted; it must contain student information, faculty signature, and course information.

Below is a quick reference chart of ACC registration deadlines related to adding a course:

Timeframe (for course)	**Register via myACC or Navigate**	**Registe**
Before start date	Yes	Schedu or time override
During first week	Yes*	Schedu or time override
After first week; prior to census	No	Yes; co prior to
After census date	No; registration after census is not permitted under any circumstances	No; regi

* Courses in certain programs, and CCCOnline courses, may have different registration deadlines.

Dropping a Course

IIt is the student's responsibility to drop a course by the census date. The census date, also referred to as the Add/Drop Date, is the last day a student may drop a course with a refund. Students will find the course census date on the Detailed Student Schedule (in myACC), or on the Class Schedule (in Navigate). When a student drops a course, they receive a full refund of tuition and fees for that dropped course, and the course no longer appears on the student's academic record.

Students drop courses via myACC (Registration Tools section on the Student Tab), or via Navigate (MyPlan section). If a student drops a course that is a prerequisite or co-requisite of another registered course, the student must drop all related courses. If a student receives financial

aid or Veteran's benefits, they should consult the Financial Aid Office or the ACC VA Certifying Official prior to dropping a course. Dropping a course could have a negative effect on a student's financial aid or Veteran's benefits.

Students cannot drop a course after the census date.

Regardless of any of ACC Drop policies, it is ultimately the student's responsibility to ensure the accuracy of their schedule and drop courses by the course census date.

Drop for Non-Attendance (No-Show)

Students are expected to attend all classes. ACC conducts a drop for non-attendance throughout each semester. Students who do not attend any class sessions between the first day of the course and the course census (add/drop date), and are identified as a no show by the faculty, will be dropped from the course. Once dropped as a no show, a student cannot re-register in that same section, regardless of heir reason for not attending. In addition, the student could be dropped from any prerequisite or co-requisite courses, regardless of attendance in the prerequisite/co-requisite course(s). Being dropped as a no-show can have negative consequences for students using financial aid or Veteran's benefits.

For in-person courses, attendance is defined as attending at least one in-person meeting prior to the course census date.

For online courses, and / or hybrid courses where the online component starts first, attendance is defined as accessing the course and completing at least one academic activity on or before the **evening prior** to the course census date. An academic activity consists any of the following:

• Attend a live synchronous class or lecture, either in-person or online
• Submit an academic assignment
• Take an assessment or an exam (not a syllabus quiz)
• Participate in an interactive tutorial, webinar, or other interactive computer-assisted instruction
• Participate in an instructor-directed study group or actively contributing to online discussions

Instructors will inform students of their individual attendance policies.

Drop for Failed Prerequisite

Students are required to meet the prerequisite and/or corequisite requirement(s) for any course(s) in which they are enrolled. ACC regularly monitors student registration and if a student is found to not have met the prerequisite or corequisite (or received the appropriate override approval), they will be dropped from the appropriate course(s).

Drop for Outstanding Balance

When students register for a course, they incur a financial obligation to ACC. Students must have tuition paid in full, set-up payment plan/, have a third-party billing agreement in place, or awarded financial aid in place covering their entire balance, by 5pm on the payment deadline. If a student is dropped for outstanding balance, the student may only re-register in a course if there is space available, meets all registration guidelines, and it is not past the course census date (add/drop date). If the student is dropped for outstanding balance on the course census date, the student cannot re-register in that same section and will need to find a late-start option (if available).

Regardless of any of the ACC Drop policies, it is ultimately the student's responsibility to ensure the accuracy of their schedule and add or drop courses by the appropriate deadline(s).

Withdrawing from a Course

Students may withdraw from a course after the Census Date and prior to the Withdrawal Deadline (which occurs at 80 percent of the course term); students may withdraw online via **myACC** or **Navigate.** Students may view the withdrawal deadline for their course(s) by accessing their Detailed Schedule available (in **myACC**) or in the Class Schedule (in **Navigate**). Students cannot withdraw from a course after the withdrawal deadline.

Once withdrawn from a course, the student may not be re-registered back into the same section of that course during that semester. The course will still appear on the student's transcript along with a "W" grade. However, a "W" will not affect the student's cumulative grade point average (GPA). Students who do not officially withdraw will be graded by the Instructor. **A "W" cannot be submitted by a faculty member as a final grade.** If a student withdraws from a course and has an unpaid balance, the student remains obligated to pay the outstanding balance. Unpaid balances are sent to collections and a collection fee is assessed.

If a student receives financial aid or Veteran's benefits, they should consult with the Financial Aid Office or the ACC VA Certifying Official prior to withdrawing from a course. Withdrawing from a course results in reduced completion rate and could have a negative effect on the student's aid.

The College may initiate withdrawal in some instances.

Attendance

Students are expected to attend all classes. Instructors will inform students of their individual attendance policies. Please refer to the Drop for Non-Attendance for more information about how not attending a course could result in a student being dropped.

Regardless of any of the ACC Drop policies, it is ultimately the student's responsibility to ensure the accuracy of their schedule and add or drop courses by the appropriate deadline(s).

Auditing a Course

Students may audit a course (i.e., take a course without earning academic credit), but they will be charged full tuition and fees (COF not applicable). Students can request to audit a course or change back to credit status through the census (add / drop) date of the course with Instructor permission. Audit students are expected to follow attendance and withdrawal policies and meet all program and course prerequisites and / or co-requisites. No credit is earned for courses taken by audit. Courses taken by audit are not eligible for the College Opportunity Fund, financial aid or veterans' educational benefits. An audited course will not be considered to meet a future course pre-requisite, nor will it be calculated in the student's enrollment status for financial aid. An audited course will not satisfy any degree or certificate requirements and will not count toward graduation requirements.

To audit a course, a Course Audit Request must be submitted prior to the course census (add / drop) date.

Course Numbering System

ACC utilizes the following Course Numbering System:

- **Developmental Education level**: courses numbered below 100
- **Undergraduate College Level**: courses numbered between 100 and 499

Course Substitutions

If a student believes they have a legitimate reason to do so, they may seek to have course(s) requirements in their declared degree or certificate program substituted. To pursue a course substitution, the course being used in substitution of the required course must already exist on the student's record, either as transfer credit, or as another course completed in residency with ACC. Credit is not granted by a substitution; the petition must include how the credit requirement will be satisfied. Substitutions must be approved by the Department Chair and Instructional Dean. If approved, the Department Chair will complete the Course Substitution Petition. Course Substitution Petitions must be submitted to the Records & Enrollment Services Office no later than last day of the semester in which the student intends to graduate.

Generally speaking, course substitutions are not allowed in the Associate of Arts or Associate of Science degrees. An occasional exception may only be granted in the elective course category and must be approved in advance. If a student is in a statewide articulated transfer degree, any course substitution requests need to be approved by the Colorado 4-year institution in which the student plans to transfer. It is the student's responsibility to initiate and work with the 4-year institution on completion of the Degree with Designation Course Exception Request Form. Degree with Designation Course Exception Request Forms must be submitted to the Records & Enrollment Services Office no later than last day of the semester in which the student intends to graduate.

Credit for Prior Learning / Prior Learning Assessment

Students may earn college credit for non-college or experience-based learning attained outside of accredited postsecondary education institutions. Prior Learning Assessment (PLA) is not awarded for experience but for college-level learning, which entails knowledge, skills and competencies.

There are costs associated with the various forms of PLA credit; students may refer to the Credit for Prior Learning / Prior Learning Assessment page on ACC's website for current cost information.

Students may use Prior Learning Assessment to fulfill all degree / certificate graduation requirements except for the mandatory residency requirements*.

*A minimum of 25% of the credit requirements for a degree or certificate must be completed by credits taken in residence at ACC.

Standards for awarding PLA credit:

- PLA credit may be awarded if the following standards have been met:
  - Student has been admitted to ACC
  - Student has declared a degree or certificate (changing a declared degree

or certificate will result in the reassessment of the applicability of PLA credit)
    - Student's prior learning is equivalent to college level
- PLA credit may only be awarded for courses and credits required in the student's declared degree or certificate.
- PLA credit may satisfy course prerequisite requirements
- PLA credit cannot be used to satisfy the ACC or degree / certificate residency requirements (see note above*)
- All work evaluated for PLA credit must meet or exceed 'C' level work
- PLA credit cannot duplicate any previously-awarded credit
- PLA credit is specifically noted on the transcript as such and is considered Transfer coursework (and not Institutional coursework):
- PLA credit is not calculated into student's grade point average (GPA)
- PLA credit noted on the transcript will have a grade of 'PLA'
- If the PLA credit assessment determines that the prior learning does not warrant the awarding of credit, or if the standardized / institutional exam is not passed, the PLA credit does not appear on the student's transcript
- PLA credits are not included as part of a student's semester enrollment for the purposes of financial aid, veteran benefits or any other purpose predicated on total hours of enrollment for a given semester

PLA credit may be earned through a combination of the following:

National standardized placement tests

Students may earn college credit through certain standardized testing. Upon receiving a satisfactory score, students may earn college credit. A current detailed list of tests and acceptable scores is maintained on the ACC Prior Learning Assessment webpage. For more information on what types of exams Arapahoe Community College accepts, please contact the ACC Graduation & Prior Learning Assessment Coordinator at 303.797.5630.

To schedule a CLEP, DSST, UExcel exam and/or for fee information, please contact the ACC Testing Center at 303.797.5993.

If a student has taken one of the standardized exams listed below at another location, they may order an official transcript/score report and have it sent to ACC for evaluation: Arapahoe Community College, Attention Admissions and Records, Campus Box 14, 5900 S. Santa Fe Drive, P.O. Box 9002, Littleton, CO 80160.

- **CLEP Exams:**
  CLEP (The College-Level Examination Program) gives students of any age the chance to demonstrate college-level achievement through a program of exams in undergraduate college courses. 2,900 colleges grant credit and/or advanced standing for CLEP exams.

- **DSST Exams:**
  DSST exams are available in a variety of subjects. Previously just available to those in the military, since 2006 DSST exams are available to adult learners, homeschooled

students and military veterans as a way to earn college credits.

- **UExcel Excelsior College Exams:** Uexcel exams are offered in a variety of subjects and provide students the opportunity to earn college credit by exam.
- **AP (Advanced Placement) Exams:** AP exams are generally taken as a final part of the AP course the student is completing while in high school.
- **IB (International Baccalaureate) Exams:** IB exams are taken at the end of a student's participation an IB program at their high school.

Institutional Challenge Examinations:

Institutional Challenge Exams are faculty-developed tests. They assess a student's mastery of the competencies for the ACC course being taught. For more information on Institutional Challenge Exams, please contact the ACC Graduation & Prior Learning Assessment Coordinator at 303.797.5630.

Institutional Challenge Exams are the way ACC abides by Colorado Revised Statutes 23-1-125, which requires public institutions of higher education to offer students an option for testing out of core courses.

Military / Veterans Training:

Military training may be recognized for college credit. The American Council on Education's (ACE) Military Guide provides college credit recommendations for the Army, Navy, Marine Corps, and Coast Guard. Credit for learning gained in the U.S. military (if applicable to a student's declared degree or certificate at ACC) is generally transferred based upon ACE credit recommendations found on a Joint Service Transcript (JST) for current or former military personnel. Air Force personnel will have their credit documented on a Community College of the Air Force (CCAF) transcript.

To be evaluated for possible credit, you should order your official transcript from the provider (JST, CCAF) or third-party organization (ACE, etc.) and have it sent directly from the issuing organization to ACC for evaluation: Arapahoe Community College, Attention: Records, Campus Box 14, 5900 S. Santa Fe Drive, P.O. Box 9002, Littleton, CO 80160.

Portfolio Assessment:

Knowledge and skills acquired through work and lifelong learning may be evaluated and validated through a formal portfolio assessment process.

For more information on Portfolio Assessment at Arapahoe Community College accepts, please contact the ACC Graduation & Prior Learning Assessment Coordinator at 303.797.5630.

Faculty Evaluated Industry and Workplace Credit:

ACC considers credit recommendations for industry training programs and credentials from local and nationally recognized entities, including National Guide to College Credit for Workplace Training, and the National College Credit Recommendation Service (NCCRS).

ACC may evaluate non-collegiate instructional programs that result in industry certification, professional licensure, apprenticeship completion, and other workplace skills development. Faculty subject-matter experts will evaluate the prior

learning and identify if the learning warrants the awarding of credit.

For more information regarding this type of prior learning assessment at Arapahoe Community College accepts, please contact the ACC Graduation & Prior Learning Assessment Coordinator at 303.797.5630.

Grade Appeal Procedure

All grades are final and may only be appealed on the grounds listed below while enrolled in the course or within 10 calendar days of the final academic calendar day of the semester the student took the course.

- An instructor(s) made an error in calculating the original grade or a similar occurrence.
- A grading decision was made on some basis other than performance and other than as a penalty for academic misconduct.
- A grading decision was based on standards unreasonably different from those that were applied to other students.
- A grading decision was based on a substantial, unreasonable, or unannounced departure from previously articulated standards.

View the Grade Appeal Procedure for guidelines and procedure.

- If a student wishes to have an I (Incomplete) converted to a letter grade, the student must contact the instructor.
- If a student finds a missing grade or course, contact Records and Enrollment Services. Record review requests are only available within one year from the course end; requests made after one year will not be considered.

Grade Point Average

1. **Grade Point Average Calculation**
2. Grade points indicate the achievement for the number of credits completed. To calculate a grade point average, multiply the course credits by the grade points for the grade earned. Total the course credits and total the grade points. Divide the total grade points by the total course credits. The result is your GPA.

Grade	Points
A	4
B	3
C	2
D	1
F	0

3. Only the credits and grade points earned at ACC will be used to compute the semester and cumulative GPA appearing on a student's ACC transcript.
4. Grades awarded for developmental courses (courses numbered under 100) will not be included in a student's grade point average. Grading for developmental courses will utilize the Developmental grade mode (P/A, P/B, P/C, P/D, P/F). The credits will count toward earned and attempted credits. GPA's for term recognition such as President's List and Dean's List will not include developmental courses in the calculation.

Grade Reports

Grades will be available to students after grades are posted at the end of each semester. Students may access their grades online at www.arapahoe.edu by accessing **myACC**.

Grades & VA Benefits

Grades and Veteran Benefits

If a student is eligible to receive veteran educational benefits, they must make sufficient academic progress to retain their full educational benefits. Their cumulative GPA will be computed by their A, B, C, D, F, P, and S grades. Grades of "I" or "F" are reported to the VA Regional Office as non-punitive grades. The VA may deny some of a student's benefits for the semester they received an "I" grade, unless those grades are completed by the end of the next regular semester. Under "mitigating circumstances," a student may appeal this decision directly to VA.

Grades of "W" are also reported to the VA and include the date of withdrawal. Once again, a student may be denied some of their benefits, even those already paid, unless their mitigating circumstances are accepted by the VA. Like all ACC students, VA students must earn at least a 2.0 GPA each semester or risk being placed on probation. Those who do not improve their grades by the end of the next semester may be subject to suspension of their benefits.

Veterans must meet all Academic Standing requirements to use VA benefits. Veterans are not awarded benefits for courses assigned an "AU" (Audit) designation or for credit awarded through prior learning (i.e. portfolio, challenge, etc.).

Students are responsible for keeping the School Certifying Official (Room M1605) informed of any changes in their enrollment status, declared major, address and/or phone number while attending ACC. Students must make sure that the classes they are registered for apply toward their degree. Failure to do so may affect payment of the student's monthly benefits.

Grading Systems

The Records & Enrollment Services Office keeps a permanent academic record of a student's college progress.

Letter Grades

We use a grading system to evaluate the level of a student's academic achievement. The following grades are awarded for each course and entered on a student's academic record.

Grade	Level of Achievement
A	Superior
B	Above Average Achievement
C	Average
D	Deficient, but passing
F	Failure
I	Incomplete
S	Satisfactory Completion (equivalent to a grade of "C" or better)
U	Unsatisfactory Completion (equivalent to a grade below "C")
CR	Credit

Grade	Level of Achievement
P/A	Passing (A-level) work in a developmental course
P/B	Passing (B-level) work in a developmental course
P/C	Passing (C-level) work in a developmental course
F/D	Passing (D-level) work in a developmental course
F/F	Passing (F-level) work in a developmental course

These symbols may also appear on a student's academic records, but they are not awarded by an Instructor:

Symbol	Meaning
AU	Audit
CNG	Conversion - No Grade
CPL	Credit for Prior Learning
IP	In-progress
PLA	Prior Learning Assessment
SP	Placeholder - Satisfactory Progress
W	Withdrawal
WX	Administrative Withdrawal; appeal / no fault
WD	Administrative Withdrawal; cause
Z	Placeholder - Grade not yet reported

Guidelines for Grades and Symbols

Grade A – Superior

The student has demonstrated superior mastery of achievement of course objectives.

Grade B – Above Average Achievement

The student has demonstrated better-than-acceptable mastery of the course objectives and/or additional objectives.

Grade C – Average

The student has demonstrated acceptable mastery or achievement of the course objectives.

Grade D – Deficient but Passing Grade

The student has demonstrated less-than-acceptable mastery or achievement of course objectives. In some programs it may be necessary to repeat the course in order to advance, as D-level achievement is not satisfactory for advancement in the same or related studies. Credit may not transfer. Courses earned with a grade of "D" will not satisfy course pre-requisites

Grade F – Failure

The student remained enrolled in the course but has not demonstrated achievement of course objectives.

I – Incomplete

An incomplete may be given to students who, because of illness or circumstances beyond their control, are unable to complete their coursework within the semester. An Incomplete is given only if the student has completed at least 75% of the term with a

"C" or better and has provided evidence to the Instructor that they are unable to continue.

A faculty member enters the Incomplete online, along with the incomplete final grade and extension date. The student can view the assigned Incomplete Final Grade and Extension Date on the unofficial transcript, available via **myACC**.

- Incomplete Final Grade is the grade the student will earn if they submit no additional work by the Extension Date.
- Extension Date is the maximum amount of time that a student has to complete the course requirements (not to exceed the end of the semester following the one in which the Incomplete was earned).

The faculty emails the student at their student email address confirming that the Incomplete grade has been posted, what work the student needs to complete, and the Extension Date for the work to be completed. This email serves as the contract between the faculty and student for the Incomplete and must detail:

- Work that the student must submit to complete the course.
- The time period in which the work must be completed (not to exceed the following semester - Summer excluded), and
- The grade to be assigned if the work is not completed. The grade assigned by the Instructor will be posted on the transcript and the "I" removed if the work is not completed in the time period agreed upon by the instructor and the student.
- To remove an Incomplete and have it replaced with a grade, following the successful completion of the course requirements; the faculty must submit a Grade Change form to the Records & Enrollment Services Office.

The faculty member should also make a note in Navigate on the student's page that includes the course information (e.g., MAT 1011-201) as well as the information sent to the student by email (see the first three bullet points above).
Once in Navigate, the faculty member should go to 'Professor Home' and select the student from 'Students in my courses'. After selecting the student, the faculty member should click 'Add a note on this student' (found in the upper right-hand corner of the student page under 'Options') and enter the indicated information.
If the student needs continued access to the course shell to complete the course, the faculty member should contact the Center for Innovation in Teaching and Learning to extend student access to the D2L course shell.
Using Navigate ensures that the information regarding the incomplete is not lost and is accessible by the student, the faculty member, and the student's academic advisor.
The student should check Navigate to ensure that a note has been made about the incomplete.

AU – Audit

Some students prefer to "audit" a course for self-enrichment or review without earning a grade or college credit. You can request to audit by submitting the Course Audit Request Form to Records & Enrollment Services Office by the census (add / drop) date for the course.

Courses taken by audit are not eligible for the College Opportunity Fund, financial aid

or veterans' educational benefits. Audited courses do not meet course pre-requisite or graduation requirements.

W – Withdrawal

Students may withdraw from a class after the Census Date and prior to the Withdrawal Deadline (which occurs at 80 percent of the class term); students may withdraw online by accessing **myACC**. Students may view the withdrawal deadline for their course(s) by accessing their Detailed Schedule available via myACC.

Once withdrawn from a course, the student may not be re-registered back into the same section of that course during that semester. The course will still appear on the student's transcript along with a "W" grade. A "W" will not affect the student's cumulative grade point average (GPA) but will negatively affect a student's completion rate. Students who do not officially withdraw by the deadline date will be graded by the Instructor. **A "W" cannot be submitted by a faculty member as a final grade.** The College may initiate withdrawal in some instances. If a student withdraws from a course and has an unpaid balance, the student remains obligated to pay the outstanding balance. Unpaid balances are sent to collections and a collection fee is assessed.

WX – Administrative Withdrawal

College administration withdrew the student from these courses, or approved an Administrative Withdrawal Petition or Tuition Credit Appeal. These courses are not calculated in hours completed or GPA, but are counted in completion rate calculations.

WX – Administrative Withdrawal

College administration withdrew the student from these courses for cause. These courses are not calculated in hours completed or GPA, but are counted in completion rate calculations.

IP – In-Progress- Grade not yet reported

"IP" will appear on the transcript while a course is in-progress and before a final grade is posted.

Graduation

A student may utilize DegreeCheck, available via **myACC**, to monitor progress toward earning their degree or certificate; students can informally check on their degree/certificate through the Office of Advising. ACC may choose to confer degrees and certificates for students whom we have identified as having completed all program requirements; however, this automatic conferral is not guaranteed and each student is ultimately responsible for applying for graduation.

Occasionally, degree requirements change. Students may be allowed to go by the requirements listed in any Catalog published while they were a student, with the following conditions and exceptions:

- Catalog must contain their program
- Catalogs cannot be combined (e.g., some requirements from one catalog may not be combined with some requirements from another catalog)
- If a student's record at ACC becomes inactive, they must reapply for admission and may only select from Catalogs in effect after their re-admittance
- Catalog may not be more than six academic years old at the time of graduation.
- Programs that are selective admission or pre-professional may

have more restrictive catalog year requirements and may limit the catalogs from which a student may choose for graduation requirements. Unless otherwise stated by the Department Chair, students must go by the requirements listed in the catalog for the academic year in which they were officially accepted in the degree / certificate program.

To obtain a degree or certificate from ACC, a student must:

A. File an application for graduation, available online. Deadline Dates are: Summer Semester - June 30; Fall Semester - October 31; Spring Semester - March 15
B. Achieve a cumulative grade point average of 2.0 or better in coursework applicable to the degree or certificate. Some programs also have minimum "C" grade requirements for certain courses or all courses in that degree and / or certificate program.
C. Fulfill the published course and program requirements applicable to their degree or certificate.
D. Fulfill published degree or certificate residency requirements in any of the following ways:
    1. Complete all program requirements at ACC or
    2. Complete a minimum of 25% of credit hours required for the degree at ACC*.
    3. Complete a minimum of 25% of credits required for the certificate at ACC*

**Certain degree and certificate programs may have more restrictive residency and / or transfer credit requirements.*

ACC only confers degrees once per semester at the end of the term.

- Spring Conferral Review – May
- Summer Conferral Review – August
- Fall Conferral Review – December

ACC does not award degrees early. Once conferrals have been completed for the semester, no further degrees will be awarded for that term.

If a student does not meet their program requirements when their graduation application is being reviewed for conferral, ACC will roll their application to the next semester. Students are not required to submit a new graduation application in this circumstance. Graduation applications can be rolled for up to three semesters before the application is denied. Once a graduation application is denied, students will be required to submit a new graduation application.

If a student wishes to enroll in additional courses at ACC after they graduate from their declared program of study, they will need to declare a new program.

Special Graduation Considerations

1. To obtain a second degree from ACC, a student must complete all program requirements, satisfy all residency requirements, and complete an additional 25% of program credit hours that meet residency requirements at ACC. The additional 25% of credit hours must be unique to the second degree and not used for completion of the first degree.
2. Content in a course may change as new information or technology becomes available. Some changes are so critical that dated courses

may no longer satisfy current requirements for the degree or certificate. Courses taken within the six year Catalog limit will not be subject to this review unless otherwise specified in the Catalog by the department.

3. Students should refer to the appropriate sections of this Catalog for specific requirements and limitations related to:
    - Prior Learning Assessment
    - ROTC Credit
    - Developmental Studies Courses

Graduation Checklist

When a student completes their degree and/or certificate requirements, they may receive their diploma(s) in the semester in which they satisfy the requirements, provided they complete the graduation application process below.

A full semester before a student intends to graduate (no later than the application deadline listed above):

- View their DegreeCheck program audit available online via **myACC** to ensure all requirements are completed or in progress.
- Complete and submit a Graduation Application online.
- Verify their address on file with ACC by logging into **myACC** or by calling the Records & Enrollment Services Office at 303.797.5621.
- Expect an e-mail, **sent to their student e-mail account**, from the ACC Graduation & Prior Learning Assessment Coordinator officially informing them of their remaining requirements.
- Initiate any Course Substitution Petitions.
- If qualified and interested, join Phi Theta Kappa Honor Society.

Commencement Ceremony:

Students are encouraged to participate in the annual Commencement ceremony held each May.

ACC graduation and commencement are two separate events. Graduation is the actual conferral of degrees/certificates and the mailing of diplomas. Commencement is the ceremony that celebrates the student's completion of the degree and / or certificate.

During the following Spring Semester (in which the student intends to walk at Commencement):

- Update their contact information (mail, email, telephone) with the ACC if necessary.
- Summer, Fall and Spring semester graduating students who indicated on their graduation application that they were interested in participating in the commencement ceremony, should expect to receive detailed ceremony information at their student email address by the second week of March. If they do not receive information by the third week of March, contact the Dean of Students Office at acc.dos@arapahoe.edu or 303.797.5730.
- The annual commencement ceremony is held at a local venue, which will be announced on the ACC Commencement Ceremony website. The ceremony date is listed on the Academic Calendar, which is available at www.arapahoe.edu.

- Purchase their cap, gown and tassel for the ceremony from the Bookstore on the date(s) published in the ceremony information packet.
- Expect to receive additional information **at their student email address** by the end of April with instructions for the day of the ceremony. If they do not receive an email, contact the Dean of Students Office at acc.dos@arapahoe.edu or 303.797.5730.

Within 6 weeks after the Ceremony:

Expect to receive a proof of their graduation photo and order form from the photographer so they may place an order. If they do not receive this after six weeks, and they want to see their photo, contact the photographer listed in the ceremony information packet.

Graduation Honors

Graduation honors recognize outstanding academic achievement throughout a student's academic career at the home institution. The honors are awarded to students who complete the requirements for a Bachelor or Associate Degree and earn a 3.5 or better cumulative grade point average at the institution. Only college level courses completed at the institution will be included in the GPA calculation. The three levels of recognition are defined as follows and will be posted on the student's transcript.

Cum Laude ("with honor"):

3.50 to 3.749 Cumulative GPA

Magna Cum Laude ("with great honor"):

3.75 to 3.99 Cumulative GPA

Summa Cum Laude ("with highest honor"):

4.00 Cumulative GPA

Repeat Courses

Students will be limited in the number of times that they can take the same course; however, certain courses are exempt from the repeat course procedure due to the nature / offering of the course.

If a student has taken a course twice or more and attempts to register for the course an additional time, the student will not be able to register for that particular course until an action plan is created and approval granted by the Executive Director of Advising and Retention. Please note that the student is able to register for other courses without needing an action plan or approval as per college rules and regulations.

If the Executive Director of Advising and Retention does not feel that the registration is warranted, the student may appeal via the Repeat Course appeal policy.

If a student has taken a course three times and wants to register for the course a fourth time, the student must appeal via the Repeat Course appeal policy. All records of the repeated course(s) and grades will remain on your transcript; a new grade will be recorded under the following guidelines:

1. If the student completed the repeat of a course after June 1, 1987 and before August 27, 2006, they can request that the original course and grade have a notation under the course title which reads "Repeat (excluded from GPA)." If they do not make this request, all instances of

the course will remain on the transcript and be calculated into the GPA. For graduation purposes, a course will only count once within any single degree or certificate program and will be flagged as repeated during the degree check process.

2. If the student repeats a course beginning Fall semester, 2006, the highest grade will be used in the GPA calculation. There will be no limitations on course grades that are eligible to repeat.
3. All credit hours earned for initial and repeated courses will be deducted from students remaining College Opportunity Fund Stipend eligible hours.

Repeated courses may be applied only one time to a certificate or degree, except for variable credit courses and other designated courses, such as Special topics. Students may make their request to have the previous instance of a course flagged as a repeat by submitting the Repeat / Exclude from GPA form, available online.

Student Bill of Rights

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

- A quality general education experience that develops competencies in reading, writing, mathematics, technology and critical thinking through an integrated arts and science experience.
- Students should be able to complete their Associate of Arts or Associate of Science degree programs in no more than sixty credit hours or their baccalaureate programs in no more than one hundred twenty credit hours, unless there are additional degree requirements recognized by the commission.
- A student can sign a two-year or four-year graduation agreement that formalizes a plan for that student to obtain a degree in two or four years, unless there are additional degree requirements recognized by the commission.
- Students have a right to clear and concise information concerning which courses must be completed successfully to complete their degrees.
- Students have a right to know which courses are transferable among the state public two- and four-year institutions of higher education.
- Students, upon successful completion of core general education courses, should have those courses satisfy the core course requirements of all Colorado public institutions of higher education.
- Students have a right to know if courses from one or more public higher education institutions satisfy the student's graduation requirements.

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

Student Rights, Freedoms and Responsibilities

Through its procedures, Arapahoe Community College (ACC) ensures the rights of all its students to pursue their educational objectives. The ACC community includes students who are enrolled in ACC courses for credit or non-credit courses, including Community Education courses. The ACC community also includes faculty, staff, administrators and guests.

A student is subject to two sources of authority: College authority and civil-criminal authority. ACC also expects students who are enrolled in specialized programs to follow the standards specified in their respective program handbooks (e.g., Nursing, Law Enforcement Academy and Emergency Medical Technician).

Judicial processes, including code of conduct, academic honesty statement and grievance procedures are stated in the ACC Student Handbook. The Handbook is available in the Student Engagement Center, Room M2720 or online. For answers to specific questions, contact the Director of Student Life.

Term Academic Honors

If a student completes a minimum of 6 college-level credits during the semester they can achieve honors designations on their transcripts as follows (developmental education level courses do not count toward this calculation):

- **President's List** – 4.0 term GPA
- **Dean's List** – 3.5 to 3.74 term GPA
- **Vice President's List** – 3.75 to 3.99 term GPA

Legal Notices

As a recipient of Federal Title IV funds, Arapahoe Community College (ACC) is required to collect, publish and disseminate certain information to students, prospective students and employees. The College will also provide a copy of this information including a full report of the institution's graduation rate and the Annual Security Report if requested. 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.

Accommodations for Students with Disabilities

Requests for academic accommodations can be made by contacting the Disability Access Services Office in M2850 at 303.797.5668.

Accommodations for student activities and events will be provided upon request. Persons with disabilities who require an accommodation to participate in a student activity should notify Student Life in M2850 (303.797.5668) at least three working days prior to the event.

Inquiries or specific complaints of alleged disability-related discrimination or harassment should contact the Human Resources Director (303.797.5715), Arapahoe Community College, 5900 S. Santa Fe Drive, Littleton, CO 80120.

Career and Technical Education (CTE) - Notice of Non-Discrimination

Arapahoe Community College prohibits all forms of discrimination and harassment including those that violate federal and state law or the State Board for Community Colleges and Occupational Education Board Policies 3-120 and 19-60. 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, genetic information, gender identity, or sexual orientation in its employment practices or educational programs and activities. The College will take appropriate steps to ensure that the lack of English language skills will not be a barrier to admission and participation in vocational education programs. Additionally, CTE opportunities at the College will be offered without regard to sex, race, color, national origin, and disability.

Arapahoe Community College offers a wide variety of CTE programs including, but certainly not limited to, Accounting, Computer Information Systems / Networking, Health Information Management, Law Enforcement, Nursing, Project Management, and Web Design. Individuals interested in applying for a CTE program can apply for admission online. Note that some CTE programs have specific admissions criteria, in addition to the College's general admissions criteria. For a full list of CTE programs and admissions criteria, visit our catalog.

The College has a designated Angela Johnson with the responsibility to coordinate the College's civil rights compliance activities and grievance procedures under Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and Title II of the Americans with Disabilities Act.
If you have any questions, please contact Angela Johnson at 5900 S. Santa Fe Drive, Littleton, CO 80120, telephone 303.797.5715, email EOandTitleIXCoordinator@arapahoe.edu.

Drug & Alcohol Abuse Prevention Program

The Law

Arapahoe Community College is a state system community college governed by the State Board for Community Colleges and Occupational Education. Board Policy requires the College to comply with the Drug Free Schools and Communities Amendments of 1989 (PL 101 226 in Federal law). A copy of the ACC Drug Free Schools and Communities Biennial Review is available through the President's Office, the Chief Student Services Officer's Office or the Office of Human Resources. The Drug and Alcohol Abuse Prevention Program includes:

Student Code of Conduct

It is a violation of the Student Code of Conduct to use, being under the influence of, manufacture, possess, cultivate, distribute, illegally purchase, or sell alcohol, illegal 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.

Legal Sanctions

There are legal sanctions for violations of the Code of Conduct. Any student convicted of the unlawful manufacture, distribution, dispensation, possession, use or abuse of illicit drugs or alcohol is subject to criminal penalties under local, state or federal law. These penalties range in severity from a fine of $100 to $8,000,000 and/or imprisonment. The exact penalty assessed depends upon the nature and severity of the individual offense.

College Penalties

The College will issue sanctions against students who violate the Code of Conduct. Violators will be subject to disciplinary action under student disciplinary policies. Sanctions include, but are not limited to, probation, suspension or expulsion from the College or probation, suspension or termination of employment; and referral to authorities for prosecution, as appropriate.

Health Risks

Many health risks are associated with drug and alcohol abuse. Risks include: malnutrition, brain damage, heart disease, pancreatitis, cirrhosis of the liver, mental illness, death, low birth-weight babies, and babies with drug addictions. Personal relationships, family dynamics, ability to work and study are also at risk.

Drug and Alcohol Abuse Prevention Program information and counseling resources are through the Student Life Office and Human Resources.

Illegal Substances

A controlled substances schedule is on file in the Student Life Office, located in the Dean of Students Office (Room M2720). Illegally possessing, using, distributing or manufacturing any narcotic, dangerous drug or controlled substance as classified by federal, state, and local laws or appearing on campus while under the influence of any illegally-obtained narcotic, dangerous or controlled substance is a crime and violation of the Student Code of Conduct.

Amendment 64 Information

In November 2012, Colorado voters passed Amendment 64 to the Colorado Constitution. This amendment changed Colorado law to allow people 21 or over to cultivate, consume and possess limited amounts of marijuana in private, not in public. In light of the public nature of our campuses, any marijuana use or possession on campus would run contrary to this restriction. This amendment does not alter existing policies at Arapahoe Community College prohibiting the possession, use, and distribution of marijuana by students, employees, and all visitors on College property.

Referral Resources

Referrals for counseling, treatment, rehabilitation and re-entry programs are available through the Dean of Students Office for students and the Human Resources Office for employees. Individuals may also search online for private and community-based programs as well as telephone directory listings found under "Alcoholism Treatment" and "Drug Abuse Information and Treatment." For more information, contact Student Life Office at 303.797.5668 or Human Resources at 303.797.5741.

Fair and Accurate Credit Transactions Act (FACTA)

In accordance with the Fair and Accurate Credit Transactions Act (FACTA) of 2003, Arapahoe Community College 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, cancelling 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
- Red Flag Rules
- Identity Theft Consumer Information

Graduation and Retention Information

In accordance with Title I of Public Law 101-542, information about graduation rates is available on the ACC Website or from the Office of Institutional Research; additional graduation data is also available at the Colorado Department of Higher Education Website.

Grievance and Appeal Procedures

If you are taking any Arapahoe Community College courses, and you have a complaint about your experience with Arapahoe Community College, you have two options:

1. You can follow Arapahoe Community College's process for student complaints or you may contact the Colorado Department of Higher Education to file a complaint. You can also contact the Higher Learning Commission, which is Arapahoe Community College's accrediting agency.
2. If you are residing outside of Colorado while attending Arapahoe Community College, in many cases, you can file a complaint in the state where you are residing. This list of state agencies will work with student complaints as part of the State Authorization Reciprocity

Agreement. Each state has a listed process and contact person for reviewing student complaints.

Before exercising either of the above options, students should be aware that most, if not all, external complaint processes require the student to exhaust all of the institution's internal complaint procedures prior to considering the review of a grievance.

Institutional Accreditation

Arapahoe Community College is accredited by The Higher Learning Commission and a member of the North Central Association of Colleges and Schools. The Commission can be reached at 312.263.0456 or by accessing the Website at www.ncahigherlearningcommission.org. The College operates under the jurisdiction of the Community Colleges of Colorado. ACC students regularly transfer credits to state colleges and universities within Colorado. Transfer information is available in the Academic Advising Office, Room AM2010.

Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act

The Clery Act Disclosure is accessible on the ACC website. Hard copies also available through the Campus Police Department, Room M2600.

Sexual assault protocols and victims' rights provisions are described on the ACC website. Victims are encouraged to report. Help is available. Sex offender information is available at Colorado's Convicted Sex Offender website.

Open police logs are available at the Campus Police Department.

The Campus Police Department will immediately notify the campus community upon the confirmation of a significant emergency or dangerous situation involving an immediate threat to the health or safety of students or staff.

To report crimes, violations, accidents, suspicious persons and incidents to the Campus Police Department, dial extension 5800 from any campus phone or 303.797.5800 from an external phone line. If there is no immediate answer, dial 9-911 from an on-campus phone or 911 from an external line or cell phone.

Non-Discrimination Statement

Arapahoe Community College prohibits all forms of discrimination and harassment including those that violate federal and state law or the State Board for Community Colleges and Occupational Education Board Policies 3-120 or 4-120. 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, genetic information, gender identity, or sexual orientation in its employment practices or educational programs and activities. Arapahoe Community College will take appropriate steps to ensure that the lack of English language skills will not be a barrier to admission and participation in vocational education programs.

The College has designated Angela Williams, Human Resources Director, as its Affirmative Action Officer/Equal Opportunity Coordinator/Title IX Coordinator with the responsibility to coordinate its civil rights compliance activities and grievance

procedures. For information, contact Angela Williams, Human Resources Director at 5900 S. Santa Fe Drive, Littleton, CO 80120, telephone 303.797.5715.

You may also contact the Office for Civil Rights, U.S. Department of Education, Region VIII, Federal Office Building, 1244 North Speer Boulevard, Suite 310, Denver, CO 80204, telephone 303.844.3417.

Professional Licensure

In compliance with the U.S. Department of Education for participation in the National Council for State Authorization Reciprocity Agreement (NC-SARA), Arapahoe Community College (ACC) provides information pertaining to professional licensure and certification in correlation with programs offered at ACC that may lead to state licensure.

Students are advised to review the following information BEFORE beginning a program at ACC that leads to professional licensure with the intent to be licensed outside of the state of Colorado:

- Review the licensing information provided for the applicable program(s) below
- Contact the appropriate licensing agency in the U.S. states and territories where licensure is intended. This will enable you to obtain the most up-to-date information about licensure requirements and confirm how an OSU program facilitates those requirements.

Only a select few of ACC's programs are formally approved for professional licensure. However, while a program may not be formally approved in states outside of Colorado, it may still meet all or a portion of the "educational" requirements for licensure in other states and territories. Therefore, it may be necessary for you to contact the licensing agency directly to find out if an ACC program will meet educational requirements in states other than Colorado.

Additionally, while progressing through any of these programs, ACC recommends that you check licensing agency requirements regularly to monitor whether they have changed in a manner that impacts your licensure plans.

To learn more, please review the licensure information provided for the program of interest:

- Emergency Medical Services
- Law Enforcement Academy
- Nurse Aide
- Nursing
- Physical Therapist Assistant

For additional assistance pertaining to professional licensing compliance, please contact Cheryl Calhoun, Vice President for Instruction and Provost at cheryl.calhoun@arpahoe.edu

Public Information and the Security of Your Student Records (FERPA)

The Family Educational Rights and Privacy Act (FERPA) of 1974 restricts the release of student information to the public without the consent of the student, except for directory information. Directory information includes name, number of credits currently taking or completed, dates of enrollment, major, degrees earned and honors earned. The Solomon Amendment requires institutions receiving federal funds to provide additional directory information that includes address and phone numbers of enrolled students to

the US Military. If a student does not wish the College to release the directory information, a Confidential Hold form must be completed and returned to the Records & Enrollment Services Office. A student who has requested restricted release of information cannot perform any personal business with ACC over the phone or via email. These students must conduct all of their business in person.

Sex Offender Registry

Information concerning persons who are required by Colorado law to register as sex offenders may be obtained from the Littleton Police Department, Records Division, 2255 West Berry Avenue, Littleton, CO 80165, 303.795.3880, or the Arapahoe County Sheriff's Department, Records Division, 13101 E. Bronco Pkwy. Blvd., Centennial, CO 80112, 303.795.4780. Colorado Convicted Sex Offender website.

Smoking Policy

Smoking, including vapor cigarettes, is prohibited in all College buildings as directed by the Governor's Executive Order D0036 90.

State Authorization

Arapahoe Community College is currently working cooperatively with higher education authorities in all states and other U.S. jurisdictions to ensure compliance with state authorization requirements that govern the offering of courses in those states, including complaint processes. Arapahoe Community College is a participating SARA institution; for more information on the National Council for State Authorization Reciprocity Agreements (NC-SARA), please visit their website.

Currently Arapahoe Community College has approval to offer courses in the following states:
Alabama, Alaska, Arizona, Arkansas, California, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, Washington, D.C., West Virginia, Wisconsin, Wyoming

If you are not an on-campus student at Arapahoe Community College and plan to enroll in distance classes, please check the information provided above to verify that your state has either authorized or exempted our college to offer such classes or programs to you as a resident of that state.

If you reside in an "unauthorized" state and plan to take distance education classes, please note that we are not authorized or exempted to offer distance education classes or programs to you as a resident of an "unauthorized" state. If you have questions or concerns, please contact Records & Enrollment Servies at records@arapahoe.edu.

Student Right-To-Know

In accordance with Title I of Public Law 101-542, information about graduation rates is available on the ACC Website or from the Office of Institutional Research; additional graduation data is also available at the Colorado Department of Higher Education Website.

U.S. Communicable Diseases

On the basis of current information from the American College Health Association, the National Centers for Disease Control and the Colorado Department of Health, there are numerous reportable communicable diseases (i.e., measles, Rubella, Varicalla, Hepatitis) which can infect individuals through various methods of contact and can represent a public health threat to the campus community. Accordingly, exclusion from campus academic, social or cultural activities of those individuals who can infect other individuals may be appropriate.

Voter Registration Information

ACC fully supports and advocates that students and staff register to vote. Voter Registration forms are available in Student Life located within the Student Engagement Center M2720, Disability Access Services in in M2710, and the Colorado Secretary of State website.

Use of College Buildings and Property

The primary purpose of the facilities at Arapahoe Community College (ACC) is to carry out the educational mission of the College. As a public institution, ACC also seeks to reach out and be accessible to the larger community. ACC has the right to establish reasonable regulations regarding use of college property.

To the extent that space is available, ACC welcomes community groups and organizations to utilize the facilities for purposes compatible with the Colleges' mission. Any group that uses ACC's facilities is expected to conduct themselves in a peaceful manner and follow the policy as discussed below. Further, these gatherings shall not disrupt normal college functions, endanger the health or safety of any person present, or damage college property.

Academic Programs

Bachelor of Applied Science

The Bachelor of Applied Science (BAS) degree is designed to prov ide advanced study in a particular career / occupational area. Students will receive a well-rounded learning experience including both general education credits and advanced coursework in the major field of study. Students must possess a relevant 60-credit associate degree from a Regionally Accredited institution to be admitted to the BAS degree. While the BAS degree is not intended to transfer for graduate studies at another college or university, individual courses may be considered for transfer by the receiving institution.

Advanced Paramedic Practitioner BAS

CIP 510904 (BAPP)

This Bachelor of Applied Science degree prepares students to advance in the field of paramedicine. Paramedics provide emergency care to the sick and injured, predominantly in out-of-hospital environments. Students learn about community paramedic practice, critical care and behavioral health practice, leadership, research, communication and quality improvement in health fields.

Career paths for paramedic graduates include working with fire departments, ambulance companies, rescue organizations, flight programs and hospital emergency departments.

A full-time student can complete this Bachelor of Applied Science (BAS) degree in two years. This degree prepares students to advance in the field of paramedicine and health care. Students are eligible to take the Critical Care Paramedic and Community Paramedic exams leading to endorsement in the State of Colorado at these levels. Students successfully completing this degree are eligible for licensure in the State of Colorado.

To be successful, students should have an interest in medicine and like variety and excitement. Strong interpersonal communication skills, including listening and writing are a must.

Admission Requirements

- Admission to Arapahoe Community College
- Associate of Applied Science (or higher) Degree in Paramedicine (or related field)
- Current Paramedic certification from NREMT or appropriate state agency

Program Requirements

General Education Courses (30 credit hours)

- MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits
- BIO 1111 - General College Biology with Lab: GT-SC1 5 Credits
- BIO 2116 - Human Pathophysiology 4 Credits
- ENG 1022 - English Composition II: GT-CO2 3 Credits **OR** ENG 1031 - Technical Writing I: GT-CO1
- *AAS Degree General Education Coursework 15 Credits:*
- ENG 1021 - English Composition I: GT-CO1 3 Credits

- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits
- Any GT Pathways college-level course numbered 1000 or higher 4 Credits

Major Courses (90 credit hours)

- ESA 3000 - Leadership for Emergency Executives 3 Credits
- ESA 3005 - Crisis Communication and Public Relations 3 Credits
- ESA 4005 - Public Health in Complex Emergencies 4 Credits
- ESA 4020 - Research & Design for Emergency Administration 3 Credit
- EMS 3010 - Behavioral Assessment 3 Credits
- EMS 3011 - Motivational Interviewing and De-escalation Techniques 3 Credits
- EMS 3012 - Trauma Informed Care and Assessment 3 Credits
- EMS 3030 - Community Advocacy and Outreach 3 Credits
- EMS 3031 - Community Assessment 3 Credits
- EMS 4025 - Fundamentals of Advanced Paramedic Practice 4 Credits
- EMS 4030 - Care and Prevention Development Strategies 3 Credits
- EMS 4033 - Advanced Paramedic Medical Care 4 Credits
- EMS 4035 - Advanced Paramedic Trauma Care 3 Credits
- EMS 4089 - Capstone 3 Credits
- AAS Degree Major Coursework 45 Credits

Total: 120 Credit Hours

Graduation Requirements

- Minimum GPA of 2.0 and successful completion of all required courses in the BAS
- Apply for graduation online at www.arapahoe.edu/graduation

Business Administration, BAS

CIP 520201 (BBAD)

The Bachelor of Applied Science (BAS) in Business Administration at ACC offers a practical and comprehensive education tailored for today's competitive business landscape. This program blends theoretical knowledge with hands-on skills, preparing students for diverse roles in the business world. Core coursework covers essential areas such as finance, marketing, management, and accounting, providing a solid foundation in business principles.

The BAS in Business Administration program at ACC accommodates working professionals and non-traditional students by offering flexible online classes to balance your education with work and personal commitments. Associate degree graduates enter the program as juniors, while students just beginning their college coursework can dually enroll in the BAS while completing their associate degree. With a focus on applied learning, students engage in real-world projects, case studies, and internships. The curriculum emphasizes problem-solving, critical thinking, and communication skills, essential for success in any business environment.

Graduates of this program are equipped to pursue various career paths, including roles in management, entrepreneurship, marketing, human resources, and more.

Whether aspiring to climb the corporate ladder or launch their own venture, graduates emerge prepared to tackle the challenges of the modern business world with confidence and competence.

Admissions Requirements

- Admission to Arapahoe Community College
- Must have completed an Associate's degree or be enrolled in an Associate's degree (dual enrollment*)

** Dual Enrollment*

If you are in the 2nd to last semester of an associate degree program, you may apply to the Business Administration BAS degree program. Upon acceptance, you may take Business Administration BAS courses during your last semester, in addition to any remaining associate degree courses. Continuation in the BAS program is dependent on earning an associate degree at the completion of your dual enrollment semester. If you do not earn your associate degree by the end of your dual enrollment semester, you will be unable to continue in the Business Administration BAS program until you have obtained your associate degree.

Program Requirements

General Education Courses (30 credit hours)

AAS Degree - 15 Credits General Education

Composition & Writing (3 credit hours)

- BUS 2017 - Business Communication and Report Writing **OR**
- ENG 1031 - Technical Writing I: GT-CO1 **OR**
- ENG 1021 - English Composition I: GT-CO1 **OR**
- ENG 1022 - English Composition II: GT-CO2 **OR**
- ENG 2001 - English Composition III: GT-CO3

Mathematics (3 credit hours)

- BUS 2026 - Business Statistics **OR**
- MAT 1260 - Introduction to Statistics: GT-MA1

Arts & Humanities (3 credit hours)

- GT - One GT Pathways Arts & Humanities or History course (GT-AH1, GT-AH2, GT-AH3, GT-AH4, or GT-HI1)

Social & Behavioral Sciences (3 credit hours)

- GT - One GT Pathways Social & Behavioral Sciences course (GT-SS1, GT-SS2, or GT-SS3)

Communication (3 credits)

- COM 1150 - Public Speaking **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 **OR**
- COM 2300 - Intercultural Communication: GT-SS3 **OR**

COM 2220 - Group Communication:GT-SS3 **OR**
COM 2250 - Organizational Communication

Major Courses (90 credit hours)

AAS Degree - 45 Credits Major Courses

Business Core Courses (21 credit hours)

ACC 1011 - Introduction to Financial Accounting **OR**
ACC 1012 - Introduction to Managerial Accounting **OR**
ACC 2026 - Cost Accounting
BUS 3020 - Business Law and Ethics
MAN 3030 - Contemporary Management
MAN 3060 - Operations Management
MAN 4030 - Organizational Leadership
MAR 3040 - Business Practical Marketing
FIN 3020 - Applied Finance

Electives (24 credit hours)

Select 24 credit hours from BUS, MAN, MAR, ESA, CNG, CIS, or CSC at course level 3000 or higher

Total: 120 Credit Hours

Graduation Requirements

120 credits completed with at least 30 credits of General Education
Achieve a "C" or better in all required courses
Apply for graduation online at www.arapahoe.edu/graduation

Cybersecurity, BAS

CIP 111003 (BCYS)
The Bachelor of Applied Science in Cybersecurity program offers a flexible and accessible pathway for students to pursue a career in one of the most in-demand fields today. This program combines rigorous academic coursework with practical hands-on training, preparing students to protect digital assets and combat cyber threats effectively.

Through interactive online modules, students gain a deep understanding of cybersecurity principles, including network security, cryptography, ethical hacking, risk management, and incident response. They also learn to analyze cyber threats, develop security strategies, and implement cybersecurity solutions in diverse organizational settings. The online format allows students to balance their education with work and other commitments, offering convenience without compromising the quality of instruction. Students benefit from engaging with industry-experienced faculty, participating in virtual labs and simulations, and accessing a range of resources to support their learning journey.

Upon graduation, students are equipped with the skills and certifications needed to pursue careers as cybersecurity analysts, information security specialists, penetration testers, and cybersecurity consultants. Our online Bachelor of Applied Science in Cybersecurity empowers students to thrive in the rapidly evolving cybersecurity landscape while maintaining the flexibility to learn on their own schedule.

Admissions Requirements

Admission to Arapahoe Community College

Must have a completed associate degree or be enrolled in a related associate degree (dual enrollment). Related degrees include AAS in Cybersecurity, Networking, Secure Software Development, or a related degree.

Program Requirements

General Education Courses (30 credit hours)

Written Communication (6 credit hours)

Any GT-CO1 and GT-CO2
OR
Any GT-CO2 and GT-CO3

Mathematics (3 credit hours)

MAT 1340 - College Algebra: GT-MA1 OR higher

General Education Electives (21 credits)

Select one course from the following:

COM 1150 - Public Speaking **OR** COM 1250 - Interpersonal Communication:GT-SS3

AND

Select 18 credits from any of the following Guaranteed Transfer (GT) Categories:

Written Communication: GT-CO1, GT-CO2, GT-CO3
Arts & Humanities: GT-AH1, GT-AH2, GT-AH3, GT-AH4
History: GT-HI1
Mathematics: GT-MA1
Natural & Physical Sciences: GT-SC1, GT-SC2
Social & Behavioral Sciences: GT-SS1, GT-SS2, GT-SS3

Non-Major Elective Courses (6 credits)

BUS 2017 - Business Communication and Report Writing 3 credits
BUS 2026 - Business Statistics 3 credits

Lower Division Major Courses (40 credits)

Lower Division Required Courses (28 credits)

CIS 2020 - Fundamentals of UNIX 3 Credits
CNG 1024 - Networking I: Network+ 3 Credits
CNG 1025 - Networking II: Network+ 3 Credits
CNG 1032 - Network Security Fundamentals 3 Credits
CNG 1042 - Introduction to Cloud Computing 3 Credits
CNG 2056 - Vulnerability Assessment Level 1 3 Credits
CNG 2057 - Network Defense and Counter Measures 3 Credits
CNG 2059 - Enterprise Security 3 Credits
CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits

Lower Division Major Electives Courses (12 credits)

Any courses within the CIS, CNG, CSC, CWB, or DAT prefixes.

The courses below are recommended:

CIS 2032 - Unix Shell Programming 3 Credits

- CIS 2040 - Database Design and Development 3 Credits
- CIS 2068 - Systems Analysis and Design I 3 Credits
- CIS 2087 - Cooperative Education 3 Credits
- CIS 2089 - Capstone 3 Credits
- CNG 1036 - Guide to IT Disaster Recovery 3 Credits
- CNG 2002 - Unix/Linux Server Admin 3 Credits
- CNG 2012 - Configuring Windows Server 4 Credits
- CNG 2043 - Cloud Security and Cyber Law 3 Credits
- CNG 2057 - Network Defense and Counter Measures 3 Credits
- CNG 2058 - Digital Forensics 4 Credits
- CSC 1060 - Computer Science I (Language) 4 Credits
- DAT 1001 - Introduction to Data Science 3 Credits

Upper Division Major Courses (44 credit hours)

Upper Division Required Courses (28 credits)

- CNG 3020 - Cyber Law Ethics and Policy 4 Credits
- CNG 3036 - Business Continuity and Disaster Recovery 4 Credits
- CNG 3040 - Cyber Operations 4 Credits
- CNG 3050 - Cyber Investigations and Forensics 4 Credits
- CNG 3056 - Vulnerability Assessment II 4 Credits
- CNG 4000 - Active Cyber Defense 4 Credits
- CNG 4010 - Cyber Threat Intelligence 4 Credits

Network Security Operations Emphasis Electives (16 credits)

Select four courses from the following:

- CNG 3010 - Fundamentals of Cybersecurity 4 Credits
- CNG 3030 - Methods of Network Analysis 4 Credits
- CNG 4020 - Zero Trust Networks 4 Credits
- CNG 4030 - Cyber War 4 Credits
- CNG 4054 - Malware Threats and Analysis 4 Credits
- CNG 4080 - Internship 2 Credits
- CNG 4089 - Capstone 3 Credits

Total: 120 Credits

Graduation Requirements

- 120 credits completed with at least 30 credits of General Education
- Apply for graduation online at www.arapahoe.edu/graduation

Emergency Service Administration BAS

CIP 430302 (B1ES)

The BAS degree in Emergency Service Administration offers a comprehensive program to prepare a new generation of leaders in the field of emergency services in both governmental agencies and private sectors. Students will obtain a well-rounded learning experience and training related to proactive strategic planning for disaster prevention and reduction. The curriculum blends theoretical perspectives with professional practice necessary to enhance resiliency for communities and leverage capabilities and resources to deal with emergency situations. Students will learn

how to tackle crisis requiring multi-agency collaboration and coordination activities. Additionally, the curriculum provides the foundation and skills for professionals in emergency services to advance into a leadership position and practice a proactive leadership in unpredictable and catastrophic situations to minimize risk to responders and the public.

The program will be delivered online. The BAS program (a total of 120 credit hours) offers a flexible upper level 60-credit-hour degree designed specifically for students who have earned an associate degree from a regionally accredited institution in Criminal Justice, Emergency Management and Planning, Emergency Medical Services, Fire Science Technology, Homeland Security/Emergency Management, Law Enforcement, Paramedicine, Public Safety, Wildland Safety, or closely related degree.

Admission Requirements

- Admission to Arapahoe Community College
- Student must have the following to be considered for entrance into this program: must possess a relevant associate degree (60+ credits) from a regionally accredited institution in Criminal Justice, Emergency Management and Planning, Emergency Medical Services, Fire Science Technology, Homeland Security/Emergency Management, Law Enforcement, Paramedicine, Public Safety, Wildland Safety, or closely related degree.
- Pre-acceptance advising session with Program Chair at peter.loebach@arapahoe.edu or 303.797.5792

Program Requirements

General Education Courses (30 credit hours)

- ENG 2001 - English Composition III: GT-CO3 3 Credits
- MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits
- ENV 1010 - Natural Disasters: GT-SC2 3 Credits
- SOC 2018 - Sociology of Diversity: GT-SS3 3 Credits
- PSC 2025 - Comparative Government: GT-SS1 3 Credits
- As well as AAS Degree General Education Coursework 15 Credits

Major Courses (90 credit hours)

- ESA 3000 - Leadership for Emergency Executives 3 Credits
- ESA 3005 - Crisis Communication and Public Relations 3 Credits
- ESA 3010 - Emergency Public Information and Media Training 3 Credits
- ESA 3015 - Elements of Emergency Service Administration 3 Credits
- ESA 3020 - Designing Safer Communities 4 Credits
- ESA 3025 - Public Policy and Practical Applications in Emergency Services 3 Credits
- ESA 3030 - Budget and Planning Fundamentals for Emergency Administrators 3 Credits
- ESA 4000 - Personnel Management in Emergency Service Agencies 3 Credits
- ESA 4005 - Public Health in Complex Emergencies 4 Credits
- ESA 4010 - Terrorism Threat and Risk Analysis 3 Credits

ESA 4015 - Tactical Planning, Response and Recovery 4 Credits
ESA 4020 - Research & Design for Emergency Administration 3 Credit
ESA 4089 - Capstone: Emergency Services Administration 6 Credits
AAS Degree Major Coursework 45 Credits

Total: 120 Credit Hours

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Health Information Management, BAS

CIP 510707 (HIMB)

This Bachelor of Applied Science degree prepares students to advance in the field of Health Information Management. As the large Baby Boom population ages, they typically experience increasing health challenges which will, in turn, generate an increasing demand for healthcare services. Subsequently, there will be a greater need for physicians and other healthcare workers, medical procedures, and healthcare facilities. Ultimately, a greater need for licensed managers and healthcare staff to organize and oversee medical information and records must be addressed. These managers are important for improving care coordination, which is key in team-based practice.

In addition, the widespread and continuing adoption of electronic health records (EHRs) will further amplify the demand for managers with knowledge of health information technology (IT) and informatics systems. Medical and health services managers will be vitally important to organize, oversee, and integrate medical records across areas of the healthcare industry.

A full-time student can complete this Bachelor of Applied Science (BAS) degree in two years. This degree prepares students to advance in the field of Health Information Management. Graduates of this CAHIIM-accredited program are eligible to take the Registered Health Information Administrator (RHIA) national board exam and awarded the RHIA credential.

Admissions Requirements

The following are the basic requirements for admission to the Health Information Management (HIM) program:

Admission to Arapahoe Community College
Student must have the following to be considered for entrance into this program: must possess a relevant associate degree (60+ credits) from a CAHIIM-accredited program, or closely related degree.
Criminal Background Check
HIM Program Entrance Interview with Program Chair or Designate

Program Requirements

General Education Courses (33 credit hours)

ENG 1031 - Technical Writing I: GT-CO1 3 Credits
SOC 2018 - Sociology of Diversity: GT-SS3 3 Credits
COM 2300 - Intercultural Communication: GT-SS3 3 Credits

PSY 2221 - Social Psychology: GT-SS3 3 Credits
CIS 2040 - Database Design and Development 3 Credits
CIS 2068 - Systems Analysis and Design I 3 Credits
AAS Degree General Education Coursework 15 Credits

Major Courses (88 credit hours)

HIM 3000 - Data Structure and Design in HIM – Domain I 3 Credits
HIM 3005 - Health Record Compliance and Data Integrity – Domain I 3 Credits
HIM 3010 - Health Information Governance – Domain I 3 Credits
HIM 3015 - Health Privacy and Security – Domain II 3 Credits
HIM 3020 - Health Information Systems – Domain III 3 Credits
HIM 3025 - Data Analytics and Visualization in Healthcare – Domain III 3 Credits
HIM 3030 - Data Use and Management in Healthcare – Domain III 3 Credits
HIM 4000 - Revenue Cycle Management – Domain IV 3 Credits
HIM 4005 - Health Law and Compliance – Domain V 3 Credits
HIM 4010 - Management and Leadership in Healthcare – Domain VI 3 Credits
HIM 4015 - Human Resources and Financial Mgmt in Healthcare – Domain VI 3 Credits
HIM 4020 - Org Ldshp for DEI in Healthcare-Domain VI 3 Credits
HIM 4089 - HIM Capstone Course 3 Credits
AAS Degree Major Coursework 49 credits

Total: 121 Credit Hours

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Medical Laboratory Science BAS

CIP 511005 (MLSA)

This degree is designed to prepare students for an entry-level position as a Medical Laboratory Scientist including preparation for the national Board of Certification exam. Medical Laboratory Scientists work in the laboratory in hospitals, clinics, veterinary clinics and in research.

An MLS will work with physicians and other members of the health care team to determine the cause of a patient's illness. Students learn advanced theory and techniques and gain industry knowledge through courses such as hematology, chemistry, microbiology and immunohematology.

Students gain experience in clinical settings at their place of employment. This program offers courses in a 100% online format. Graduates beginning employment in this field find careers as medical laboratory scientists in hospital laboratories, clinics, public health, veterinary clinics and research laboratories.

A full-time student can complete this Bachelors of Applied Science (BAS) degree in two years. After graduation, students typically seek employment; however, they do have opportunities to seek additional education to enhance their skills.

To be successful in this program, students should be comfortable with technology,

have an interest in healthcare, and enjoy working with people.

The ACC Medical Laboratory Science program is housed in the School of Health and Public Services Division. The MLS Program Chair's phone number is 303.797.5796.

This program is seeking accreditation by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). While accreditation is underway, NAACLS has granted this program "Serious Applicant Status." Serious Applicant Status is a pre-accreditation status that allows graduates to sit for certification exams. NAACLS can be reached at 5600 N. River Rd. Suite 720, Rosemont, IL 60018, phone (773) 714-8880; Fax (773) 714-8886; Email info@naacls.org.

Admissions Requirements

- Admission to Arapahoe Community College
- Associate of Applied Science in Medical Laboratory Technology
    - If you earned your AAS at a for-profit college or university without an accreditation / accrediting body from this list, please speak to Jennifer Kellogg about transferring credits.
- Current ASCP/AMT certification in Medical Laboratory Technology

Program Requirements

General Education (40 Credits)

AAS Degree - 22 Credits General Education

General Education Courses (18 Credits)

- ENG 1022 - English Composition II: GT-CO2 3 Credits
- MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits
- SOC 2018 - Sociology of Diversity: GT-SS3 3 Credits
- CHE 1112 - General College Chemistry II: GT-SC1 5 Credits
- BIO 2104 - Microbiology with Lab: GT-SC1 4 Credits

Major Courses (80 Credits)

AAS Degree - 41 Credits Major Courses

Major Courses (39 Credits)

- MLS 3110 - Advanced Hematology 4 Credits
- MLS 3120 - Hemostasis 2 Credits
- MLS 3130 - Clinical Immunology & Virology 3 Credits
- MLS 3140 - Advanced Urinalysis and Body Fluids 3 Credits
- MLS 3150 - Advanced Immunohematology 3 Credits
- MLS 3160 - Advanced Molecular Biology for the Clinical Lab 3 Credits
- MLS 3170 - Advanced Parasitology and Mycology 2 Credits
- MLS 4080 - Clinical Internship 8 Credits
- MLS 4110 - Advanced Clinical Microbiology 4 Credits
- MLS 4120 - Advanced Clinical Chemistry 3 Credits
- MLS 4130 - Laboratory Management 2 Credits
- MLS 4140 - Clinical Correlations 2 Credits

Total: 120 Credit Hours

Graduation Requirements

- Achieve a "C" or better in all required courses.
- Apply for graduation online at www.arapahoe.edu/graduation
- Medical Laboratory Science (MLS) courses must be completed within five years of a student's graduation.

Bachelor of Science in Nursing Completion

The RN-BSN Completion Program is designed with options for current nursing students who are enrolled in the Nursing AAS program or Registered Nurses who wish to continue their education to earn a baccalaureate nursing degree.

Bachelor of Science Nursing Completion Program (RN-BSN)

CIP 513801 (BBSN)

The RN-BSN Program is designed for Registered Nurses who wish to earn the baccalaureate nursing degree or for current nursing students (dual enrollment) who are enrolled in the Nursing AAS program who wish to earn the baccalaureate nursing degree. The focus of the program is to add value to their nursing education, increase their perspective of current clinical practice beyond the ADN level, enhance their leadership abilities and promote life-long learning within the nursing profession.

Students who are dual enrolled can start BSN classes through an online format. The program has two courses that require a practicum experience in an area of the student's interests.

The Nursing Program is also approved by the State Board of Colorado Community College Occupational and Education Programs. Arapahoe Community College is accredited by The Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools (NCA).

The ACC Nursing Program is housed in the School of Health and Public Services Division, office phone number is 303.797.5798. The Nursing Assistant's phone number is 303.797.5939.

Admission Requirements

Admission to Arapahoe Community College

You may apply to this program if:

- You are a nurse who has earned an Associate Degree in Nursing (ADN) from a regionally accredited college, has a current RN license in Colorado or a compact state nursing license, and has a minimum 2.0 GPA in nursing courses.
  - CCCS policy (BP 9-71 Transfer Credit) Credit can only be transferred from regionally accredited educational institutions. We are unable to make exceptions to this rule.
  - The sending institution must have been regionally accredited for the entire time the student was earning the applicable credits.
- You are a **student** who has completed their first semester of a nationally accredited ADN program at a regionally accredited college, continues to be enrolled in that ADN program, and has a minimum 2.0 GPA in nursing courses.

ADN students may apply during 1st semester and will be provisionally admitted. For full acceptance, students must receive a minimum 2.0 GPA in NUR 1009 and NUR 1012.

LPN to ADN Bridge Program students may apply while taking NUR 2002 and will be provisionally admitted. For full acceptance, students must receive a minimum 2.0 GPA in NUR 2002 and NUR 2006.

Notes:

Students must complete a minimum of 25% of the credits required for the degree at Arapahoe Community College (in residence) in order to earn this degree from ACC.

After you are accepted into the RN-BSN Completion Program, you will be required to provide additional items during the program, including:

- Official college transcript(s) - before beginning the program
- Immunization records - required prior to clinical coursework
- Background check and drug screen - required prior to clinical coursework

Program Requirements

General Education Courses (18 credit hours)

- ENG 1022 - English Composition II: GT-CO2 3 Credits *
- MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits *
- GT-HI1 - History Course 3 Credits
- GT-AH1, AH2, or AH3 Arts and Humanities Courses 6 Credits
- GT-SS1, SS2, or SS3 Social Science Course 3 Credits

Major Courses (24.5 credit hours)

- NUR 3001 - Integration into Baccalaureate Nursing Practice 3 Credits
- NUR 3002 - Trends in Nursing Practice 3 Credits
- NUR 3003 - Nursing Research / Evidence Based Practice 3 Credits *
- NUR 4008 - Legal and Ethical Issues Related to Professional Nursing Practice 3 Credits
- NUR 4009 - Leadership in the Nursing Profession 3.5 Credits
- NUR 4010 - Community Health Nursing/Practicum 6 Credits
- NUR 4011 - Senior Seminar 3 Credits

Restricted Electives (6 credits)

Choose two courses from the following (6 credits):

- NUR 3004 - Informatics / Healthcare Technology 3 Credits
- NUR 3005 - Emergency Preparedness 3 Credits
- NUR 3006 - Gerontology Nursing 3 Credits
- NUR 3007 - Behavioral Health 3 Credits

Associate Degree Credits (71.5 credits)**

Notes:

* 3000-level nursing courses must be completed before taking 4000-level nursing courses.

** If associate degree is less than 71.5 credits, balance of credits may be satisfied with elective
credits or credit for prior learning.

Total: 120 Credit Hours

Graduation Requirements

Achieve a "C" or better in all required courses.
Apply for graduation online at www.arapahoe.edu/graduation.

Associate of Arts

Students successfully completing any Guaranteed Transfer Courses with a "C" or better are guaranteed acceptance of the course at any public four-year College or university in Colorado.

The State Guaranteed Transfer Courses and the Colorado Community College General Education requirements have been incorporated into the degree. Students who complete a 60 credit-hour A.A. degree with appropriate course requirements and grades of "C" or better may be able to complete a Baccalaureate degree in 60 additional credits after transferring to a four-year public institution. Consult your ACC Advisor about Colorado's 60 + 60 agreement.

NOTE: This guarantee excludes majors in Education, Business, Engineering and Nursing.

NOTE: No course substitutions will be accepted for the Associate of Arts or Associate of Science degrees.

Accounting, AA

CIP 520301 (OACC)

This program was created as part of an agreement with Colorado State University Pueblo. Under a 60 + 60 plan, a student completes the AA degree at any ACC campus or online, and then transfers to CSU Pueblo to complete the Bachelor of Science in Business Administration (BSBA) in Accounting at the **ACC** Sturm Collaboration Campus at Castle Rock.

The program provides a foundation for an understanding of the theory and practice of the major fields of accounting: financial accounting and reporting, managerial accounting, taxation, accounting information systems, and auditing.

Career paths for Business Administration, Accounting graduates include accountant, auditor, tax specialist, financial analyst, forensic accountant, internal auditor, and information technology auditor.

To be successful, students should have strong math and computer skills, and be detail-oriented.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (37 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits

ENG 1022 - English Composition II: GT-CO2 3 Credits

Mathematics (8 credit hours)

MAT 1340 - College Algebra: GT-MA1 4 Credits
MAT 1400 - Survey of Calculus: GT-MA1 4 Credits

Arts and Humanities (6 credit hours)

PHI 2005 - Business Ethics: GT-AH3 3 Credits
GT Pathways Arts and Humanities course (GT-AH1, GT-AH2, GT-AH3, GT-AH4) 3 Credits

History (3 credit hours)

GT - One GT Pathways course (GT-HI1) 3 Credits

Social and Behavioral Sciences (6 credit hours)

ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits
ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits

Natural and Physical Sciences (8 credit hours)

Natural and Physical Science GT-SC1-SC2 4 Credits
Natural and Physical Science with Lab GT-SC1 4 Credits

Additional Required Courses (23 credit hours)

ACC 1011 - Introduction to Financial Accounting 3 Credits
ACC 1012 - Introduction to Managerial Accounting 3 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 2067 - Management of Information Systems 3 Credits
BUS 1017 - Business Writing 1 Credit
MAN 1017 - Time Management 1 Credit

Total: 60 Credit Hours

Graduation Requirements

Courses required for this degree must be completed with a "C" or better to be considered for transfer to another institution.
Apply for graduation online at www.arapahoe.edu/graduation

Anthropology Transfer Major, AA

CIP 450201 (DANT)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (32-33 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - A GT Pathways approved CO3 course (GT-CO3)

Mathematics (3-4 credit hours)

GT - One GT Pathways course (GT-MA1) prefer MAT 1260: Introduction to Statistics, except:
University of Colorado Denver requires either MAT 1260 or MAT 1340
Western State Colorado University requires MAT 1340

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

History (3 credit hours)

GT - One GT Pathways course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social & Behavioral Sciences courses (GT-SS1, GT-SS2 or GT-SS3)

Natural and Physical Sciences (8 credit hours)

GT - Two GT Pathways Natural & Physical Sciences courses (GT-SC1)

Additional Required Courses (22 credit hours)

COM 1150 - Public Speaking 3 Credits **OR**
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits **OR**
COM 2300 - Intercultural Communication: GT-SS3 3 Credits
GT - One GT Pathways Arts & Humanities course (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)
ANT 1001 - Cultural Anthropology: GT-SS3 3 Credits
ANT 1003 - Introduction to Archeology: GT-SS3 3 Credits
ANT 1005 - Biological Anthropology with Lab: GT-SC1 4 Credits
GT - One GT Pathways **ANT** course in Social & Behavioral Sciences (GT-SS3)
GT - One GT Pathways Social & Behavioral Science course (must be GT-SS2 or GT-SS3)

Electives (5-6 credit hours)

Elective credit must be completed from the following lists of approved prefixes or

courses to bring the total credit hours to 60. Please Note: Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships:
ANT, ART, BIO (1000 OR above), CHE, HIS, ECO, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

- AAA 1001 - College 101: The Student Experience 1 Credit
- AAA 1009 - Advanced Academic Achievement 3 Credits
- ACC 1021 - Accounting Principles I 4 Credits
- ACC 1022 - Accounting Principles II 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1150 - Public Speaking 3 Credits
- COM 2220 - Group Communication:GT-SS3 3 Credits
- CSC 1060 - Computer Science I (Language) 4 Credits
- CSC 1061 - Computer Science II (Language) 4 Credits
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
- HNR 1000 - Honors Seminar: 1 Credit
- HNR 2089 - Capstone: Honors 1 Credit
- HWE 1060 - Weight Loss 1 Credit
- HWE 1061 - Fitness and Wellness 2 Credits
- MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
- ANY Foreign Language (including ASL) numbered 1011 or higher

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Art History Transfer Major, AA

CIP 500703 (DATH)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31-32 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 or 4 credit hours)

GT - One GT Pathways Mathematics course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts.

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts and Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) **EXCEPT** *the courses listed in the Additional Required Courses section below*

History (3 credit hours)

GT - One GT Pathways History course (GT-H1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social and Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 or 8 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1, GT-SC2). One of these courses must have the required Laboratory (GT-SC1)

Additional Required Courses (18 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

ART 1111 - Art History I Ancient to Medieval: GT-AH1 3 Credits
ART 1112 - Art History II Renaissance to Modern: GT-AH1 3 Credits
ART 1201 - Drawing I 3 Credits
ART 1002 - Visual Concepts 2-D Design 3 Credits
ART 1003 - Visual Concepts 3-D Design 3 Credits
ART 1113 - Art History-1900 to Present: GT-AH1 3 Credits

Electives (10-11 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics (2075) and Independent Study (2085): ANT, ART, BIO (1000 **OR** above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHY (1105 **OR** above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1011 - Introduction to Financial Accounting 3 Credits
ACC 1012 - Introduction to Managerial Accounting 3 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
DAT 1001 - Introduction to Data Science 3 Credits
HWE 1050 - Human Nutrition 3 Credits
HWE 1060 - Weight Loss 1 Credit
HWE 1062 - Health and Wellness 3 Credits

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Associate of Arts, General

CIP 240101 (AA)

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (60 credit hours)

Written Communications (6 credit hours)

Any GT-CO1 **and** GT-CO2 **OR**
Any GT-CO2 **and** GT-CO3

Mathematics (3 credit hours)

Any GT-MA course (except MAT 1220 and MAT 1230) numbered *at least* MAT 1240 – 4 credits OR higher

Art and Humanities/Social and Behavioral Sciences combined (18 credit hours)

Art and Humanities (6 credit hours)

GT - Two Guaranteed Transfer Arts & Humanities courses (GT-AH1, GTAH2, GT-AH3, or GT-AH4). See GT-Pathways Courses

Social and Behavioral Science (3 credit hours)

GT - One Guaranteed Transfer Social & Behavioral Science courses (GT-SS1, GT-SS2, or GT-SS3). GT-Pathways Courses

History (3 credit hours)

GT - One Guaranteed Transfer course from: History (GTHI1). See GT-Pathways Courses

Student Option (6 credit hours)

GT - Two Guaranteed Transfer Arts & Humanities / Social & Behavioral Science / History courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4, GT-SS1, GT-SS2, GT-SS3, or GT-HI1). See GT-Pathways Courses.

Natural and Physical Sciences (7 credit hours)

GT - Two Guaranteed Transfer courses from: Natural and Physical Sciences, including at least one LAB course (GT-SC1 or GT-SC2). See GT-Pathways Courses

Electives (26 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes

Any course in the following prefixes except Special Topics and Independent Study: ANT, ART, AST (1110 or higher), BIO (1003 or higher), CHE (1004 or higher), CSC (1019 or higher), EGG (1030 or higher), HIS, HUM, LIT, MAT (1260 or higher), MUS, PED, PHI, PHY (1105 or higher), PSC, PSY, SOC, any world language 1011 or higher.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1011 - Introduction to Financial Accounting 3 Credits
ACC 1012 - Introduction to Managerial Accounting 3 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
DAT 1001 - Introduction to Data Science 3 Credits
HWE 1050 - Human Nutrition 3 Credits

HWE 1060 - Weight Loss 1 Credit
HWE 1062 - Health and Wellness 3 Credits

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Business Transfer Major, AA

CIP 5220101 (DBUS)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (32 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits
ENG 1022 - English Composition II: GT-CO2 3 Credits

Math (4 credit hours)

MAT 1340 - College Algebra: GT-MA1 4 Credits **OR**
MAT 1320 - Finite Mathematics: GT-MA1 4 Credits **OR**
MAT 1400 - Survey of Calculus: GT-MA1 4 Credits **OR**
a higher level Calculus course

Arts and Humanities (6 credit hours)

GT - One Guaranteed Transfer & Humanities course (GT-AH1, GT-AH2, GT-AH3, GT-AH4) **AND**
PHI 2005 Business Ethics GT-AH3

History (3 credit hours)

GT - One Guaranteed Transfer History Course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits
ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits

Natural and Physical Sciences (7 credit hours)

GT - Two Guaranteed Transfer Natural and Physical Sciences courses (GT-SC1, GT-

SC2), one must be with laboratory (GT-SC1).

Additional Required Courses (21-23 credit hours)

- ACC 1021 - Accounting Principles I 4 Credits **OR**
- ACC 1011 - Introduction to Financial Accounting 3 Credits
- ACC 1022 - Accounting Principles II 4 Credits **OR**
- ACC 1012 - Introduction to Managerial Accounting 3 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2026 - Business Statistics 3 Credits
- COM 1150 - Public Speaking 3 Credits

Electives (5-7 Credit Hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

- Guaranteed Transfer
  - Any Guaranteed Transfer course.
- Any course in the following prefixes
  - Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.
- Specific Courses:
  - AAA 1001 - College 101: The Student Experience
  - AAA 1009 - Advanced Academic Achievement
  - ACC 1011 - Introduction to Financial Accounting
  - ACC 1012 - Introduction to Managerial Accounting
  - BUS 1015 - Introduction to Business
  - BUS 2016 - Legal Environment of Business
  - BUS 2017 - Business Communication and Report Writing
  - BUS 2026 - Business Statistics
  - CIS 1018 - Introduction to PC Applications
  - COM 1150 - Public Speaking
  - DAT 1001 - Introduction to Data Science
  - HWE 1050 - Human Nutrition
  - HWE 1060 - Weight Loss
  - HWE 1062 - Health and Wellness

Note(s):

- Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.
- Select two or three courses (5-7 credit hours) found on the Recommended Elective List. Depending on the actual course credits taken, the number of courses you need to take as electives will vary. You should consult your advisor for more information.
- Please meet with your advisor to discuss elective options that best meet the needs of your transfer

institution. Most transfer institutions require MAT 1340 for the GT-MA1 requirement; however, some transfer institutions will accept Finite Math (MAT 1320) and some require Survey of Calculus (MAT 1400) or a higher-level calculus. If an additional math course is needed, it will count towards these elective credits.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Communication Transfer Major, AA

CIP 090100 (DCOM)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - One GT Pathways Mathematics course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts.

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts and Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-H1)

Social and Behavioral Sciences (6 credit hours)

COM 2300 - Intercultural Communication: GT-SS3 3 Credits **AND**

GT - One GT Pathways Social and Behavioral Science course (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1, GT-SC2). One of these courses must have the required Laboratory (GT-SC1)

Additional Required Courses (18 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

COM 1150 - Public Speaking 3 Credits
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
GT - Choose one 3-credit course with a COM Prefix
GT - Choose two GT Pathways courses (6 credits) from either: History (GT-HI1) **OR** Social & Behavioral Sciences (GT-SS1, GT-SS2, or GT-SS3)

Electives (11 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1011 - Introduction to Financial Accounting 3 Credits
ACC 1012 - Introduction to Managerial Accounting 3 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
DAT 1001 - Introduction to Data Science 3 Credits
HWE 1050 - Human Nutrition 3 Credits
HWE 1060 - Weight Loss 1 Credit
HWE 1062 - Health and Wellness 3 Credits

Please Note:

Any additional COM courses beyond the 4 courses identified above in the Additional

Required Courses section may not count toward the Communication major at the receiving 4-year institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Creative Writing Transfer Major, AA

CIP 231302 (OACW)

The program nurtures beginning and experienced writers with a comprehensive program of creative writing and literature courses. Students are the opportunity to explore multiple genres in creative writing and sharpen critical thinking and analytical skills through the study of past and contemporary literary masters.

Career paths for Creative Writing graduates include authorship, journalism, public relations writing, and self-publication.

A full time student can complete this Associate of Arts (AA) degree in two years. This degree prepares students to transfer to a four-year university to complete the second half of a Bachelor of Arts (BA) in Creative Writing.

To be successful, students should have a foundation in writing, a passion for storytelling, and an interest in publishing your creative work.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (38 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits
ENG 1022 - English Composition II: GT-CO2 3 Credits

Oral Communication (3 credit hours)

COM 1150 - Public Speaking 3 Credits
OR
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
OR
COM 2300 - Intercultural Communication: GT-SS3 3 Credits

Mathematics (4 credit hours)

MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits **OR** any higher MAT GT-MA1 (Except MAT 155/156)

Arts and Humanities (6 credit hours)

GT Pathways Arts & Humanities must be from two different GT Categories: (GT-AH1, GT-AH2, GT-AH3, or GT-AH4) 6 Credits

History (3 credit hours)

- GT Pathways History course (GT-HI1) 3 Credits

Social and Behavioral Sciences (6 credit hours)

- GT Pathways Social & Behavioral Sciences Categories (GT-SS1, GT-SS2 or GT-SS3) 6 Credits

Natural and Physical Sciences (7 credit hours)

- GT Pathways Natural & Physical Science Categories: SC1-SC2 (3 credits)
- GT Pathways Natural & Physical Science with Lab Category: SC1 (4 credits)

Student Option (3 credit hours)

- GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, or GT-AH4), **OR** Social & Behavioral Science courses (GT-SS1, GT-SS2 or GT-SS3), **OR** History (GT HI1) 3 Credits

Major Required Courses (16 credit hours)

Choose from the following:

- ENG 2021 - Creative Writing I: GT-AH1 3 Credits
- ENG 2022 - Creative Writing II 3 Credits
- ENG 2026 - Fiction Writing 3 Credits
- ENG 2027 - Poetry Writing 3 Credits
- ENG 2030 - Creative Nonfiction 3 Credits
- ENG 2089 - Capstone 1-6 Variable Credits

Additional Required Courses (6 credit hours)

Choose two from the following:

- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- ENG 2031 - Literary Magazine 3 Credits
- ENG 2038 - Writing the Novel I 3 Credits
- ENG 2064 - Publishing Your Writing 3 Credits
- HUM 1003 - Introduction to Film Art GT: AH2 3 Credits
- HUM 1015 - World Mythology: GT-AH2 3 Credits
- HUM 1064 - American Cinema 3 Credits
- JOU 1005 - Introduction to Mass Media: GT-SS3 3 Credits
- LIT 1015 - Introduction to Literature: GT-AH2 3 Credits
- LIT 2001 - World Literature to 1600: GT-AH2 3 Credits
- LIT 2002 - World Literature After 1600: GT-AH2 3 Credits
- LIT 2005 - Race, Ethnicity, and Culture in U.S. Literature: GT-AH2 3 Credits
- LIT 2011 - American Literature to the Civil War: GT-AH2 3 Credits
- LIT 2012 - American Literature after the Civil War: GT-AH2 3 Credits
- LIT 2021 - British Literature to 1770: GT-AH2 3 Credits
- LIT 2022 - British Literature Since 1770: GT-AH2 3 Credits
- LIT 2025 - Introduction to Shakespeare: GT-AH2 3 Credits

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to

colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation

Criminal Justice Transfer Major, AA

CIP 430100 (DCJU)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31-33 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3-4 credit hours)

GT - One GT Pathways course (GT-MA1) prefer MAT 1260 - Introduction to Statistics: GT-MA1, except:
- University of Colorado Colorado Springs prefers MAT 1240
- Colorado Mesa University requires either MAT 1240 or MAT 1340
- University of Northern Colorado requires MAT 1260

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses from two different categories (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits **AND**
GT - One GT Pathways Social & Behavioral Sciences course (GT-SS3)

Natural and Physical Sciences (7-8 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1,

GT-SC2). One course must be lab-based (GT-SC1).

Additional Required Courses (27 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

CCCS Requirement:

- COM 1150 - Public Speaking 3 Credits
  OR
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- CRJ 1010 - Intro to Criminal Justice GT: SS3 3 Credits
- CRJ 1025 - Policing Systems 3 Credits
- CRJ 1045 - Correctional Process 3 Credits

Choose two courses from the following: (6 Credit Hours)

- CRJ 1027 - Crime Scene Investigation 3 Credits
- CRJ 1035 - Judicial Function 3 Credits
- CRJ 2005 - Principles of Criminal Law 3 Credits
- CRJ 2009 - Criminal Investigation I 3 Credits
- CRJ 2030 - Criminology 3 Credits
- CRJ 2031 - Introduction to Forensic Science and Criminalistics 3 Credits
- CRJ 2035 - Delinquent Behavior
- CRJ 2036 - CRJ Research Methods 3 Credits
- CRJ 2057 - Victimology 3 Credits
- CRJ 2068 - Criminal Profiling 3 Credits

Choose three courses from the following: (9 Credit Hours)

- CNG 2058 - Digital Forensics 4 Credits
- COM 2220 - Group Communication:GT-SS3 3 Credits
- COM 2250 - Organizational Communication 3 Credits
- PSC 1011 - American Government: GT-SS1 3 Credits
- PSC 1025 - American State & Local Government GT-SS1 3 Credits
- PSY 2770 - Intro Forensic Psychology 3 Credits
- PSY 2107 - Human Sexuality: GT-SS3 3 Credits
- PSY 2221 - Social Psychology: GT-SS3 3 Credits
- PSY 2552 - Psychopathology: GT-SS3 3 Credits
- SOC 2031 - The Sociology of Deviant Behavior: GTSS3 3 Credits

Electives (0-2 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

- Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits **OR** higher
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits **OR** higher
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another institution.
Apply for graduation online at www.arapahoe.edu/graduation.

Early Childhood Teacher Education Transfer Major, AA

CIP 131210 (DECT)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College
Completion of a basic background check is required for all students entering this degree. The process is

completed online with an associated cost. Contact Castle Branch.

Program Requirements

General Education Requirements (33 credit hours)

Written Communication (6 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits
- ENG 1022 - English Composition II: GT-CO2 3 Credits

Mathematics (4 credit hours)

- MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits

Arts and Humanities (6 credit hours)

Students must choose two of the following courses:

- MUS 1020 - Music Appreciation: GT-AH1 3 Credits OR
- ART 1110 - Art Appreciation: GT-AH1 3 Credits OR
- THE 1005 - Theatre Appreciation: GT-AH1 3 Credits
  AND
- LIT 1015 - Introduction to Literature: GT-AH2 3 Credits OR
- LIT 2055 - Children's Literature: GT-AH2 3 Credits

History (3 credit hours)

- HIS 1210 - US History to Reconstruction: GT-HI1 3 Credits
  OR
- HIS 1220 - US History since the Civil War: GT-HI1 3 Credits

Social and Behavioral Sciences (6 credit hours)

- GEO 1005 - World Regional Geography: GT-SS2 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits

Natural and Physical Sciences (8 credit hours)

- SCI 1055 - Integrated Science I - Physics and Chemistry: GT-SC1 4 Credits
- SCI 1056 - Integrated Science II - Earth and Life Science: GT-SC1 4 Credits
  Note: Students must pass with a C- or higher BOTH SCI 1055 & 1056 to satisfy the GT Pathways science requirement.

Additional Required Courses (18 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

- ECE 1011 - Introduction to Early Childhood Education 3 Credits
- ECE 1045 - Introduction to Early Childhood Techniques 3 Credits
- ECE 1031 - Guidance Strategies for Young Children 3 Credits
- ECE 2621 - Curriculum Development: Methods and Techniques 3 Credits
- ECE 2381 - Child Growth and Development 3 Credits
- ECE 2101 - Working with Parents, Families, and Communities 3 Credits

Electives (9 credit hours)

Select 9 credit hours of qualifying courses as determined by the 4-year receiving institution:

- **Adams State University**: ECE 1111, ECE 1125, and ECE 2401 or ECE 2411
- **Colorado Mesa University**: ECE 1111, ECE 2051, ECE 2401, ECE 2411 and ECE 2601
- **Colorado State University-Ft. Collins**: MAT 1260, PSY 2440, and ECE 2051
- **Colorado State University-Pueblo:** ECE 1111**,** ECE 2411**,** and ECE 2051
- **Ft. Lewis College**: PSY 2440, ECE 2651, and ECE 2411
- **Metropolitan State University of Denver**: COM 1150, PSY 1002, and ECE 1111
- **University of Colorado Denver**: ECE 2051, ECE 2401, and ECE 2641 or ECE 2411
- **University of Northern Colorado**: ECE 1111, ECE 2401, and ECE 2411

Note: Consult an Advisor at transfer institution or ACC to determine appropriate electives

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Elementary Teacher Education Transfer Major, AA

CIP 131202 (DEMT)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

Please note that receiving institutions have individual requirements that will satisfy the Elective Courses section of the ACC program, except for Colorado Mesa University, which has specific program requirements. Be sure to check below for the requirements of the institution you want to transfer to, or check with an advisor.

General Education Requirements (35 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits *

ENG 1022 - English Composition II: GT-CO2 3 Credits

* **Note**: Some educator preparation programs require a B- in ENG 1021 as an admission requirement. However, a C- or better meets the general education GT-CO1 requirement.

Mathematics (6 credit hours)

MAT 1220 - Integrated Math I: GT-MA1 3 Credits

MAT 1230 - Integrated Math II: GT-MA1 3 Credits **

** **Note**: Completion of MAT 1220 & 1230 with a C- or higher will satisfy the GT Pathways math requirement at some institutions but not all. At the receiving institution's discretion, students may be asked to complete a GT-MA1 approved course.

Arts and Humanities (6 credit hours)

LIT 2055 - Children's Literature: GT-AH2 3 Credits

One additional GT-AH2 course (3 credits)

History (3 credit hours)

HIS 1210 - US History to Reconstruction: GT-HI1 3 Credits **OR**

HIS 1220 - US History since the Civil War: GT-HI1 3 Credits

Social and Behavioral Sciences (6 credit hours)

GEO 1005 - World Regional Geography: GT-SS2 3 Credits **OR**

GEO 1006 - Human Geography: GT-SS2 3 Credits

PSC 1011 - American Government: GT-SS1 3 Credits

Natural and Physical Sciences (8 credit hours)

SCI 1055 - Integrated Science I - Physics and Chemistry: GT-SC1 4 Credits

SCI 1056 - Integrated Science II - Earth and Life Science: GT-SC1 4 Credits ***

*** **Note**: Students must pass with a C- or higher BOTH SCI 1055 & 1056 to satisfy the GT Pathways science requirement.

Additional Required Courses (16 credit hours)

Please Note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

EDU 2211 - Introduction to Education 3 Credits

EDU 2341 - Multicultural Education 3 Credits

EDU 2611 - Teaching, Learning and Technology 3 Credits

EDU 2088 - Practicum II 1-6 Variable Credits **OR**

EDU 2221 - Effective Teaching 1 Credit

PSY 2441 - Child Development: GT-SS3 3 Credits

ART 1110 - Art Appreciation: GT-AH1 3 Credits **OR**

MUS 1020 - Music Appreciation: GT-AH1 3 Credits **OR**
THE 1005 - Theatre Appreciation: GT-AH1 3 Credits **OR**
DAN 1025 - Dance Appreciation GT-AH1 (3 credits)

Elective Courses (9 credit hours)

Nine credits determined by the receiving four-year institution. See below.

Adams State University - BA Elementary Education

EDU 2401 - Teaching The Exceptional Learner 3 Credits
HIS 1210 - US History to Reconstruction: GT-HI1 3 Credits **OR**
HIS 1220 - US History since the Civil War: GT-HI1 3 Credits
Note: Adams State requires both HIS courses to fulfill degree requirements. One HIS course will be used to fulfill the general education requirement.

Colorado Mountain College - BA Interdisciplinary Studies

COM 1150 - Public Speaking 3 Credits **OR**
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
HIS 2135 - Colorado History: GT-HI1 3 Credits

Colorado State University - Pueblo - BS Liberal Studies

Students can choose 9 credits from the 13 credits listed.

ART 1110 - Art Appreciation: GT-AH1 3 Credits **OR**
MUS 1020 - Music Appreciation: GT-AH1 3 Credits **OR**
THE 1005 - Theatre Appreciation: GT-AH1 3 Credits **OR**
DAN 1025 (3 credits)
HIS 1310 - Western Civilization Antiquity-1650: GT-HI1 3 Credits **OR**
HIS 1320 - Western Civilization: 1650-Present: GT-HI1 3 Credits **OR**
HIS 1110 - the World: Antiquity-1500: GT-HI1 3 Credits **OR**
HIS 1120 - the World: 1500-Present: GT-HI1 3 Credits
MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits **OR**
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits
BIO 1005 - Science of Biology: GT-SC1 4 Credits **OR**
GEY 1111 - Physical Geology w/Lab: GT-SC1 4 Credits

Fort Lewis College - BA Interdisciplinary Studies

PSY 2440 - Human Growth and Development: GT-SS3 3 Credits
SOC 2005 - Sociology of Family Dynamics: GT-SS3 3 Credits
SPA 1015 - Spanish for the Professional I 3 Credits

Metropolitan State University of Denver - BA Elementary Education

COM 1150 - Public Speaking 3 Credits
PSY 2440 - Human Growth and Development: GT-SS3 3 Credits
SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits

University of Colorado Boulder - BA Elementary Education

- EDU 2401 - Teaching The Exceptional Learner 3 Credits
- HIS 1310 - Western Civilization Antiquity-1650: GT-HI1 3 Credits **OR**
- HIS 1320 - Western Civilization: 1650-Present: GT-HI1 3 Credits **OR**
- HIS 1110 - the World: Antiquity-1500: GT-HI1 3 Credits **OR**
- HIS 1120 - the World: 1500-Present: GT-HI1 3 Credits **OR**
- HIS 2005 - Women in World History: GT-HI1 3 Credits
- One additional GT Pathways course (3 credits)
- NOTE: EDU 2401 is not a required elective at the University of Colorado Boulder but will be accepted in transfer if taken.

University of Colorado, Colorado Springs - BA Inclusive Elementary Education

- EDU 2401 - Teaching The Exceptional Learner 3 Credits
- ECO 1001 - Economics of Social Issues: GT-SS1 3 Credits **OR**
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- ECE 2051 - Nutrition, Health and Safety 3 Credits **OR**
- HWE 1050 - Human Nutrition 3 Credits

University of Colorado Denver - BA Education and Human Development - Elementary Education

- EDU 2401 - Teaching The Exceptional Learner 3 Credits **OR**
- ECE 2601 - The Exceptional Child 3 Credits
- ECE 2101 - Working with Parents, Families, and Communities 3 Credits
- SPA 1001 - Conversational Spanish I 3 Credits **OR**
- SPA 1015 - Spanish for the Professional I 3 Credits **OR**
- SPA 2015 - Spanish for The Professional II 3 Credits
- SPA 1011 - Spanish Language I: GT-AH4 5 Credits **OR**
- SPA 1012 - Spanish Language II: GT-AH4 5 Credits **OR**
- SPA 2011 - Spanish Language III: GT-AH4 3 Credits **OR**
- SPA 2012 - Spanish Language IV: GT-AH4 3 Credits

University of Northern Colorado - BA Elementary Education

- EDU 2401 - Teaching The Exceptional Learner 3 Credits
- HIS or GEO course (3 credits)
- Any elementary education-related content in HIS, GEO, SCI, MAT, or LIT-prefix course (3 credits); below are some course recommendations:
- HIS 2135 - Colorado History: GT-HI1 3 Credits **OR**
- HIS 1310 - Western Civilization Antiquity-1650: GT-HI1 3 Credits **OR**
- HIS 1320 - Western Civilization: 1650-Present: GT-HI1 3 Credits **OR**
- HIS 1110 - the World: Antiquity-1500: GT-HI1 3 Credits **OR**
- HIS 1120 - the World: 1500-Present: GT-HI1 3 Credits **OR**
- HIS 2005 - Women in World History: GT-HI1 3 Credits **OR**
- LIT - one additional GT-AH2 course **OR**
- MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits **OR**

MAT 1340 - College Algebra: GT-MA1 4 Credits **OR**
MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits

Western Colorado University - BA Elementary Education

EDU 2401 - Teaching The Exceptional Learner 3 Credits
ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
MAT 1340 - College Algebra: GT-MA1 4 Credits

Colorado Mesa University - BA Liberal Arts

Required courses that fulfill General Education Requirements (32 credits)

Written Communication (6 credits)
ENG 1021 - English Composition I: GT-CO1 3 Credits
ENG 1022 - English Composition II: GT-CO2 3 Credits
Mathematics (6 credits)
MAT 1220 - Integrated Math I: GT-MA1 3 Credits
MAT 1230 - Integrated Math II: GT-MA1 3 Credits
Arts and Humanities (3 credits)
LIT 1015 - Introduction to Literature: GT-AH2 3 Credits **OR**
LIT 2001 - World Literature to 1600: GT-AH2 3 Credits **OR**
LIT 2002 - World Literature After 1600: GT-AH2 3 Credits **OR**
LIT 2011 - American Literature to the Civil War: GT-AH2 3 Credits **OR**
LIT 2021 - British Literature to 1770: GT-AH2 3 Credits
History (3 credits)
HIS 1210 - US History to Reconstruction: GT-HI1 3 Credits
Social & Behavioral Sciences (6 credits)
GEO 1005 - World Regional Geography: GT-SS2 3 Credits
PSC 1011 - American Government: GT-SS1 3 Credits
Natural & Physical Sciences (8 credits)
SCI 1055 - Integrated Science I - Physics and Chemistry: GT-SC1 4 Credits
SCI 1056 - Integrated Science II - Earth and Life Science: GT-SC1 4 Credits
Additional Required Courses (9 credits)
COM 1150 - Public Speaking 3 Credits
EDU 2221 - Effective Teaching 1 Credit
PSY 2441 - Child Development: GT-SS3 3 Credits
Electives: 19 credits determined by Colorado Mesa University
LIT 2055 - Children's Literature: GT-AH2 3 Credits
Any GT-AH1 course (3 credits)
HIS 2135 - Colorado History: GT-HI1 3 Credits
BIO 1004 - Biology: A Human Approach: GT-SC1 4 credits
ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits
1 credit of Health & Wellness (HWE)
2 credits of Physical Education (PED)

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Economics Transfer Major, AA

CIP 450601 (DECO)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Requirements (31 credit hours)

Written Communication (6 credit hours)

A GT Pathways-approved CO1 course (GT-CO1) and a GT Pathways-approved CO2 course (GT-CO2)
OR
A GT Pathways-approved CO2 course (GT-CO2) and a GT Pathways-approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, or GT-AH4) Recommended: PHI 1012 - Ethics: GT-AH3 **OR** PHI 2005 - Business Ethics: GT-AH3

History (3 credit hours)

GT - One Guaranteed Transfer History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

Two GT Pathways Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 credit hours)

GT - Two Guaranteed Transfer Natural and Physical Sciences courses (GT-SC1, GT-SC2), one must be with laboratory (GT-SC1).

Additional Required Courses (11 credit hours)

ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits
ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
MAT 2410 - Calculus I: GT-MA1 5 Credits

Electives (18 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher
HWE 1061 - Fitness and Wellness 2 Credits

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Students may need to take additional preparatory math courses for placement into Calculus I (e.g., trigonometry, college algebra, precalculus); these additional courses may apply toward electives.

Students intending to transfer to Adams State University, Metropolitan State University of Denver, or the University of Northern Colorado may take College Algebra or Finite Mathematics instead of Calculus I.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online atwww.arapahoe.edu/graduation.

English Transfer Major, AA

CIP 230101 (DENG)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (34 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits and
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits and
ENG 2001 - English Composition III: GT-CO3 3 Credits

Mathematics (3 credit hours)

GT - One GT Pathways Mathematics course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts

Arts and Humanities (9 credit hours)

GT - Three GT Pathways Arts and Humanities courses (Note: GT-AH2 Literature courses will not be accepted to fulfill this requirement)

History (3 credit hours)

GT - One GT Pathways History course (GT-H1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social and Behavioral Science course (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1, GT-SC2). One must be with laboratory (GT-SC1)

Additional Required Courses (18 credit hours)

Literature Courses (15 credit hours)

GT - Choose five **(5)** Colorado's Guaranteed Transfer Courses Arts and Humanities **LITERATURE (LIT)** courses within the **GT-AH2** category. At least **4** of the 5 **LIT** courses must be at the **2000-level**.

Please consult your receiving institution regarding best choices for Literature courses.

Communications Courses (3 credit hours)

COM 1150 - Public Speaking 3 Credits
OR
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
OR
COM 2250 - Organizational Communication 3 Credits

Electives (8 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Recommended Elective

ENG 2021 - Creative Writing I: GT-AH1 3 Credits

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

French Transfer Major, AA

CIP 160901 (DFRE)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - One GT Pathways Mathematics course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts.

Arts and Humanities (9 credit hours)

FRE 2011 - French Language III: GT-AH4 3 Credits
FRE 2012 - French Language IV: GT-AH4 3 Credits
GT - One GT Pathways Arts & Humanities course (GT-AH1, GT-AH2, GT-AH3)

History (3 credit hours)

GT - One Guaranteed Transfer History course (GTHI1) *
*** Note:** CSU-Ft. Collins requires **two** non-US history courses.

Social and Behavioral Sciences (3 credit hours)

GT - One GT Pathways Social & Behavioral Science course (GT-SS1, GT-SS2, or GT-SS3)

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural and Physical Sciences courses (GT-SC1, GT-SC2). One of these

courses must have the required laboratory (GT-SC1).

Additional Required Courses (10 credit hours)

Please note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied

FRE 1011 - French Language I: GT-AH4 5 Credits **
FRE 1012 - French Language II: GT-AH4 5 Credits **
****Note**: FRE 1011 and/or FRE 1012 may be waived, based on the student's proficiency level and will need to be taken in another area on advice of the institution.

Electives (19 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60. It Is recommended, but not required, that a student take either COM 1150 - Public Speaking or COM 1250 - Interpersonal Communication:GT-SS3

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Geography Transfer Major, AA

CIP 450701 (DGEO)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

- A GT Pathways-approved CO1 course (GT-CO1) and a GT Pathways-approved CO2 course (GT-CO2)
  OR
- A GT Pathways-approved CO2 course (GT-CO2) and a GT Pathways-approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

- GT - One GT Pathways course (GT-MA1) prefer MAT 1260 - Introduction to Statistics: GT-MA1, except:
  - Metropolitan State University of Denver requires either MAT 1260 **OR** MAT 1340
  - University of Colorado Denver prefers either MAT 1340 **OR** MAT 1260

Arts and Humanities (6 credit hours)

- GT - Two GT Pathways Arts and Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

- GT - One GT Pathways History course (GT-H1)

Social and Behavioral Sciences (6 credit hours)

- GT - Two GT Pathways Social and Behavioral Science courses (GT-SS1 **OR** GT-SS3)

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1, GT-SC2), one must be with a laboratory (GT-SC1).

Additional Required Courses (14 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

GEO 1005 - World Regional Geography: GT-SS2 3 Credits
GEO 1006 - Human Geography: GT-SS2 3 Credits
GEO 1011 - Physical Geography: Landforms w/Lab: GT-SC1 4 Credits
GEO 1012 - Physical Geography - Weather, Climate and Ecosystems w/Lab: GT-SC1 4 Credits

Electives* (15 credit hours)

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

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60. The Number of Elective Credits may vary according to the receiving institution. You are advised to contact an advisor at the receiving institution. Maximum of 6 credits may be in GEO or GIS prefix.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit

HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

No course substitutions will be allowed within this degree. All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

History Transfer Major, AA

CIP 540101 (DHIS)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - Any GT Pathways Math course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts

Arts and Humanities (9 credit hours)

GT - Three GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

HIS 1310 - Western Civilization Antiquity-1650: GT-HI1 3 Credits **OR**

HIS 1110 - the World: Antiquity-1500: GT-HI1 3 Credits *
* Note: Students planning to transfer to University of Colorado Boulder must take either HIS 1310 or HIS 1320 to fulfill this requirement.

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural & Physical Sciences courses (GT-SC1, GT-SC2): one course must be with required lab

Additional Required Courses (15 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

HIS 1320 - Western Civilization: 1650-Present: GT-HI1 3 Credits
HIS 1120 - the World: 1500-Present: GT-HI1 3 Credits **
** **Note**: Students planning to transfer to University of Colorado Boulder must take either HIS 1310 or HIS 1320 to fulfill this requirement.
HIS 1210 - US History to Reconstruction: GT-HI1 3 Credits
HIS 1220 - US History since the Civil War: GT-HI1 3 Credits
GT - One additional GT Pathways History course (GT-HI1)
COM 1150 - Public Speaking 3 Credits
OR
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits

Electives *** (11 credit hours)

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

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits

BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

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

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Journalism Transfer Major, AA

CIP 090401 (DJOU)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at any public four-year college and university (hereafter referred to as receiving institutions) that offers that program within the minimum number of credits designated by the Colorado Commission on Higher Education.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

ENG 1021 and ENG 1022 **OR**
ENG 1022 and a GT Pathways GT-CO3 course

Mathematics (3 credit hours)

Any GT Pathways GT-MA1 course (MAT 1240 Math for Liberal Arts preferred)

Arts and Humanities (6 credit hours)

Two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

History (3 credit hours)

One GT Pathways History course GT-HI1

Social and Behavioral Sciences (6 credit hours)

Two GT Pathways Social & Behavioral Sciences courses (GT-SS1, GT-SS2 or GT-SS3)

Natural and Physical Sciences (7 credit hours)

Two GT Pathways Natural & Physical Sciences courses (GT-SC1, GT-SC2). One of these courses must have the required laboratory (GT-SC1).

Additional Required Courses (12 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

JOU 1005 - Introduction to Mass Media: GT-SS3 3 Credits
JOU 1006 - Media News and Reporting 3 Credits
JOU 2025 - New Media 3 Credits
Plus choose any one of the following (3 Credits):
JOU 1021 - Photojournalism 3 Credits
JOU 2015 - Publications Production and Design 3 Credits
JOU 2031 - Introduction to Public Relations 3 Credits
JOU 2041 - Feature and Magazine Writing 3 Credits

Electives (17 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60. *(See section on limitations regarding any additional courses taken in the major. Students should consider using their free electives to explore an additional area of focus.)*

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics (2075) and Independent Study (2085): ANT, ART, BIO (1000 **OR** above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHY (1105 **OR** above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 **OR** higher

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Music Transfer Major, AA

CIP 500901 (DMUS)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**

ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - Any GT Pathways Mathematics course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts.

Arts and Humanities (6 credit hours)

MUS 1021 - Music History Medival thru Classical: GT-AH1 3 Credits
MUS 1022 - Music History Early Romantic Period to the Present: GT-AH1 3 Credits

History (3 credit hours)

GT - One GT Pathways History course (GT-H1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social and Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3) *
* **Note**: CSU - Ft. Collins requires that one of these be PSY 1001

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1, GT-SC2). One of these courses must have the required laboratory (GT-SC1).

Additional Required Courses (26 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

MUS 1010 - Music Theory I 3 Credits
MUS 1011 - Music Theory II 3 Credits
MUS 2010 - Music Theory III 3 Credits
MUS 2011 - Music Theory IV 3 Credits
MUS 1012 - Ear Training and Sight-Singing I Lab 1 Credit
MUS 1013 - Ear Training and Sight-Singing II Lab 1 Credit
MUS 2012 - Ear Training/Sight-singing Lab III 1 Credit
MUS 2013 - Ear Training/Sight-singing Lab IV 1 Credit
MUS 1051 - Ensemble I 1 Credit
MUS 1052 - Ensemble II 1 Credit
MUS 2051 - Ensemble I 1 Credit
MUS 2052 - Ensemble II 1 Credit
MUS 1041 - Private Instruction (Specify) 1-2 Credits
MUS 1042 - Private Instruction (Specify) 1-2 Credits
MUS 2041 - Private Instruction 1-2 Credits
MUS 2042 - Private Instruction 1-2 Credits
MUS 1031 - Music Class I 2 Credits : Piano

Electives (3 credit hours)

Any Music Electives

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

No course substitutions will be allowed within this degree. All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online atwww.arapahoe.edu/graduation.

Philosophy Transfer Major, AA

CIP 380101 (DPHI)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **AND**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **AND**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - One GT Pathways Mathematics course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts.

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts and Humanities courses (GT-AH1, GT-AH2, GT-AH4)*
*** Note**: Ways of Thinking courses with a PHI prefix (GT-AH3) do not fulfill the Arts & Humanities General Education Requirements for this degree.

History (3 credit hours)

GT - One GT Pathways History course (GT-H1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social and Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1, GT-SC2). One of these courses must have the required laboratory (GT-SC1).

Additional Required Courses (15 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

PHI 1011 - Introduction to Philosophy: GT-AH3 3 Credits
PHI 1012 - Ethics: GT-AH3 3 Credits
PHI 1013 - Logic: GT-AH3 3 Credits

Choose two courses from the following (6 credit hours)

PHI 2014 - Philosophy of Religion: GT-AH3 3 Credits
PHI 2018 - Environmental Ethics GT-AH3 3 Credits
PHI 2020 - Philosophy of Death and Dying: GT-AH3 3 Credits

Electives (14 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any GT Pathways course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits

MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

No course substitutions will be allowed within this degree. All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Political Science Transfer Major, AA

CIP 451001 (DPSC)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (32 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - One GT Pathways Mathematics course (GT-MA1), prefer MAT 1260 Introduction to Statistics

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses (GTAH1, GT-AH2, GT-AH3, or GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits
ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits

Natural and Physical Sciences (8 credit hours)

GT - Two GT Pathways Natural & Physical Science (GT-SC1)

Additional Required Courses 12 credit hours

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

PSC 2020 - Introduction to Political Science: GT-SS1 3 Credits
PSC 1011 - American Government: GT-SS1 3 Credits
PSC 2005 - International Relations: GT-SS1 3 Credits
PSC 2025 - Comparative Government: GT-SS1 3 Credits

Note(s):

Note: Additional POS courses beyond the 4 courses identified above may not count toward the Political Science major at the receiving 4-year institution.

Electives (16 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit

HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Psychology Transfer Major, AA

CIP 420101 (DAPY)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31-32 credit hours)

Written Communication (6 credit hours)

A GT Pathways-approved CO1 course (GT-CO1) and a GT Pathways-approved CO2 course (GT-CO2)
OR
A GT Pathways-approved CO2 course (GT-CO2) and a GT Pathways-approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - One GT Pathways course (GT-MA1) prefer MAT 1260 - Introduction to Statistics: GT-MA1, except:
Colorado Mesa University requires either MAT 1240 or MAT 1340

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses (GTAH1, GT-AH2, GT-AH3, or GT-AH4)**.**

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3). **May not be PSY courses.**

Natural and Physical Sciences (7-8 credit hours)

GT - One GT Pathways BIOLOGY course, must be a GT-SC1 with a lab
AND
GT - One GT Pathways course of the student's choosing (GT-SC1 **OR** GT-SC2)

Additional Required Courses (18 credit hours)

Please Note*:* If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

PSY 1001 - General Psychology I: GT-SS3 3 Credits
PSY 1002 - General Psychology II: GT-SS3 3 Credits
GT - Three GT Pathways Psychology courses (GT-SS3)
COM 1150 - Public Speaking 3 Credits
OR
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits

Electives (10-11credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWe 1061 - Fitness and Wellness 2 Credits

MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Public Health Transfer Major, AA

CIP 512201 (DPUH)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at any public four-year college and university (hereafter referred to as receiving institutions) that offers that program within the minimum number of credits designated by the Colorado Commission on Higher Education.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (32- 34 credit hours)

Written Communication (6 credit hours)

Any GT-CO1 course plus any GT-CO2 course
OR
Any GT-CO2 course plus any GT-CO3 course

Mathematics (3 credit hours)

MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits

Arts and Humanities (6 credit hours)

Any two GT-AH courses (can be GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

History (3 credit hours)

One GT Pathways History course (GT-HI1)

Social and Behavioral (6 credit hours)

PSY 1001 - General Psychology I: GT-SS3 3 Credits
Plus any one of the following:
PSY 2333 - Health Psychology: GT-SS3 3 Credits
PSY 2552 - Psychopathology: GT-SS3 3 Credits

PSY 2440 - Human Growth and Development: GT-SS3 3 Credits
PSY 2220 - Dynamics of Racism & Prejudice 3 Credits

Natural and Physical Sciences (8-10 credit hours)

BIO 1111 - General College Biology with Lab: GT-SC1 5 Credits
AND
BIO 1112 - General College Biology II with Lab: GT-SC1 5 Credits
OR Choose TWO of the following (4 credits each)
BIO 1004 - Biology: A Human Approach: GT-SC1 4 credits
BIO 1005 - Science of Biology: GT-SC1 4 Credits
ANT 1005 - Biological Anthropology with Lab: GT-SC1 4 Credits

Additional Required Courses (12 credit hours)

Please note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

Choose ONE from:
COM 1150 - Public Speaking 3 Credits
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
COM 2300 - Intercultural Communication: GT-SS3 3 Credits
Choose ONE from:
PHI 1012 - Ethics: GT-AH3 3 Credits
PHI 1013 - Logic: GT-AH3 3 Credits
Choose ONE from:
ANT 2550 - Medical Anthropology 3 Credits*
BIO 1016 - Introduction to Human Disease: GT-SC2 3 Credits **
PSY 2222 - Psychology of Death and Dying
PSY 2333 - Health Psychology: GT-SS3 3 Credits *
SOC 2037 - Sociology of Death and Dying 3 Credits
* If not taken to fulfill the Social & Behavioral Science Requirement
** Course can be used to replace Health and Disease at Fort Lewis College
Choose one additional course from GT-MA1, GT-SC1, or GT-SC2
BIO 2104 - Microbiology with Lab: GT-SC1 4 Credits
BIO 2116 - Human Pathophysiology 4 Credits
ENV 1111 - Environmental Science w/Lab: GT-SC1 4 Credits

Electives (14-16 credit hours)

Choose in consultation with a program advisor at the receiving four-year institution

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60. *(See section on limitations regarding any additional courses taken in the major. Students should consider using their free electives to explore an additional area of focus.)*

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics (2075) and Independent Study (2085): ANT,

ART, BIO (1000 **OR** above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHY (1105 **OR** above), POS, PSY, SOC.

Specific Courses:

- AAA 1001 - College 101: The Student Experience 1 Credit
- AAA 1009 - Advanced Academic Achievement 3 Credits
- ACC 1021 - Accounting Principles I 4 Credits
- ACC 1022 - Accounting Principles II 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1150 - Public Speaking 3 Credits
- COM 2220 - Group Communication:GT-SS3 3 Credits
- CSC 1060 - Computer Science I (Language) 4 Credits
- CSC 1061 - Computer Science II (Language) 4 Credits
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- HNR 1000 - Honors Seminar: 1 Credit
- HNR 2089 - Capstone: Honors 1 Credit
- HWE 1060 - Weight Loss 1 Credit
- HWE 1061 - Fitness and Wellness 2 Credits
- MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
- ANY Foreign Language (including ASL) numbered 1121 **OR** higher

Total: 60 Credit Hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Sociology Transfer Major, AA

CIP 451101 (DSOC)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

A GT Pathways-approved CO1 course (GT-CO1) and a GT Pathways-approved CO2 course (GT-CO2)
OR
A GT Pathways-approved CO2 course (GT-CO2) and a GT Pathways-approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - One GT Pathways course (GT-MA1) prefer MAT 1260 - Introduction to Statistics: GT-MA1, except:
Colorado Mesa University prefers MAT 1260 **or** MAT 1340
University of Northern Colorado prefers MAT 1240 **or** MAT 1260

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3). **Note: MUST not take additional SOC courses to fulfill this requirement.**

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1 or GT-SC2)

Additional Required Courses (18 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

COM 1150 - Public Speaking 3 Credits
OR
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits
SOC 1002 - Introduction to Sociology II: GT-SS3 3 Credits
GT - Three GT Pathways Sociology courses (GT-SS3) in Social & Behavioral Sciences
Please note: Additional SOC courses beyond the 5 courses (15 credit hours) identified above may not count toward the Sociology major at the receiving 4-year institution.

Electives (11 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above),

CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

- AAA 1001 - College 101: The Student Experience 1 Credit
- AAA 1009 - Advanced Academic Achievement 3 Credits
- ACC 1021 - Accounting Principles I 4 Credits
- ACC 1022 - Accounting Principles II 4 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1150 - Public Speaking 3 Credits
- COM 2220 - Group Communication:GT-SS3 3 Credits
- CSC 1060 - Computer Science I (Language) 4 Credits
- CSC 1061 - Computer Science II (Language) 4 Credits
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
- HNR 1000 - Honors Seminar: 1 Credit
- HNR 2089 - Capstone: Honors 1 Credit
- HWE 1060 - Weight Loss 1 Credit
- HWE 1061 - Fitness and Wellness 2 Credits
- MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
- ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Please Note: Additional SOC courses beyond the five courses (15 credit hours) identified above may not count toward the Sociology major at the receiving 4-year institution. Please consult an Advisor at the receiving 4-year institution for additional information about course selection.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Spanish Transfer Major, AA

CIP 160905 (DSPA)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (34 credit hours)

Written Communication (6 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
- ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
- ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
- GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

- GT - Any GT Pathways Mathematics course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts.

Arts and Humanities (9 credit hours)

- SPA 2011 - Spanish Language III: GT-AH4 3 Credits *
- SPA 2012 - Spanish Language IV: GT-AH4 3 Credits *
- GT - One GT Pathways Arts & Humanities course (GTAH1, GT-AH2, GT-AH3, GT-AH4)
  ***NOTE**: Those students who have a higher proficiency level than is required for SPA 2011 or SPA 2012 should substitute other Arts and Humanities courses. Heritage speakers may substitute SPA 2061 - Grammar for the Heritage Language Speaker and SPA 2062 (Comp-Heritage Language Speaker), if available

History (3 credit hours)

- HIS 244 History of Latin America **OR**
- GT - A GT Pathways History course (GT-HI1) focusing on the Spanish-speaking world (non-US) or another GT Pathways non-US History course

Social and Behavioral Sciences (6 credit hours)

- GT - Two GT Pathways Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 credit hours)

- GT - Two GT Pathways Natural & Physical Sciences courses (GT-SC1, GT-SC2) One of these courses must have the required lab.

Additional Required Courses (13 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

- SPA 1011 - Spanish Language I: GT-AH4 5 Credits **
- SPA 1012 - Spanish Language II: GT-AH4 5 Credits **
- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits

Note(s):

****Please Note**: SPA 1011 and/or SPA 1012 may be waived, based on a student's

proficiency level. Students should consult a departmental advisor at the four-year college or university. Students should also consult with an Academic Advisor at ACC for course substitution options

Electives (13 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Suggested courses:

2000-level Spanish courses outside the Spanish department with content related to the Spanish-speaking world.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses:

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits (**OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits (**OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Studio Art Transfer Major, AA

CIP 500702 (DSAR)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (3 credit hours)

GT - One GT Pathways Math course (GT-MA1), prefer MAT 1240 Mathematics for the Liberal Arts.

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts and Humanities courses (GT-AH2, GT-AH3, GT-AH4). No GT-AH1 courses.

History (3 credit hours)

GT - One GT Pathways History course (GT-H1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social and Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC1,GT-SC2). One of these must have the required Lab (GT-SC1).

Additional Required Courses (21 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

ART 1111 - Art History I Ancient to Medieval: GT-AH1 3 Credits
ART 1112 - Art History II Renaissance to Modern: GT-AH1 3 Credits
ART 1201 - Drawing I 3 Credits
ART 1002 - Visual Concepts 2-D Design 3 Credits
ART 1003 - Visual Concepts 3-D Design 3 Credits
ART 1202 - Drawing II 3 Credits **OR**
ART 1203 - Figure Drawing I 3 Credits
Any 3-credit Studio Art course

Electives (8 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer course.

Any course in the following prefixes

Any course in the following prefixes except Special Topics, Independent Study, Capstone, and Internships: ANT, ART, BIO (1000 OR above), CHE, ECO, HIS, HUM, LIT, MUS, PED, PHI, PHY (1105 OR above), POS, PSY, SOC.

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
ACC 1021 - Accounting Principles I 4 Credits
ACC 1022 - Accounting Principles II 4 Credits
BUS 1015 - Introduction to Business 3 Credits
BUS 2016 - Legal Environment of Business 3 Credits
BUS 2017 - Business Communication and Report Writing 3 Credits
BUS 2026 - Business Statistics 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
COM 2220 - Group Communication:GT-SS3 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
ENG 1031 - Technical Writing I: GT-CO1 3 Credits **(OR** higher ENG course)
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1060 - Weight Loss 1 Credit
HWE 1061 - Fitness and Wellness 2 Credits
MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits **(OR** higher MAT course)
ANY Foreign Language (including ASL) numbered 1011 or higher

Note(s):

Students planning to transfer to CSU-FC for completion of the BA in Studio Art must complete 2 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.

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Associate of Engineering

A two-year academic degree designed to transfer to a four-year engineering degree program. Each A.E.S. agreement with a four-year university or university system is designed to meet the needs of the individual university or university system engineering program.

Engineering, AES

CIP 140101 (EAES)

This program introduces students to calculus, physics, and engineering and it includes courses that are designed to transfer to the Colorado School of Mines in order to continue studies in engineering. It allows students to complete the first two years of the BS degree at the community college. Students explore calculus, physics, and engineering applications. Engineering is the application of science and math to solve problems and protect and improve lives.

Engineers figure out how things work and find practical uses for scientific discoveries. Most of the things that make our lives safer, more enjoyable, and more productive are products of engineering. Career paths in engineering include chemical, civil, electrical, environmental, geological, geophysical, mechanical, mining, petroleum, and quantum engineering. The Associate of Engineering Science (AES) degree prepares students to complete the remaining portion of a Bachelor of Science (BS) in Engineering at a four-year university, specifically Colorado School of Mines.

The Associate of Engineering Science degree requires students to enter prepared to take Calculus I (MAT 2410) and General College Chemistry I (CHE 1111). Any needed prerequisites to be ready for these courses will not count for this degree. For some students, a general AS degree is a better fit. It allows you to apply college-level courses in College Algebra, Pre-calculus, and Physics. See a Pathways Advisor to discuss testing out options, review transfer university requirements, and to develop an academic plan that works for you.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (25 credit hours)

Written Communications (3 credit hours)

ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**

ENG 1031 - Technical Writing I: GT-CO1 3 Credits

Mathematics (5 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits

Arts & Humanities, History, Social & Behavioral Sciences (12 credit hours)

PHI 2018 - Environmental Ethics GT-AH3 3 Credits
Choose one of the following courses
HIS 2015 - 20th Century World History: GT-HI1 3 Credits
SOC 2007 - Environmental Sociology: GT-SS3 3 Credits
PSC 2025 - Comparative Government: GT-SS1 3 Credits
LIT 2002 - World Literature After 1600: GT-AH2 3 Credits
Choose two courses that meet the Culture and Society Requirements
Recommended:
ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
COM 2300 - Intercultural Communication: GT-SS3 3 Credits

Natural and Physical Sciences (5 credit hours)

CHE 1111 - General College Chemistry I: GT-SC1 5 Credits

Major Courses (24-26 credit hours)

Mathematics (12-14 credit hours)

MAT 2420 - Calculus II: GT-MA1 5 Credits
MAT 2430 - Calculus III: GT-MA1 4 Credits **OR** MAT 2431 Calculus III with Engineering Applications: GT-MA1 5 Credits
MAT 2560 - Differential Equations: GT-MA1 3 Credits **OR** MAT 2561 Differential Equations with Engineering Applications: GT-MA1 4 Credits **OR** MAT 2562 Differential Equations with Linear Algebra 4 Credits

Natural and Physical Sciences (5 credit hours)

PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1 5 Credits

Engineering (7 credit hours)

EGG 1040 - First Year Engineering Projects 3 Credits
Or
EGT 1110 - Intro Design/Engineering Apps 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits

Elective Courses (Choose 9-11 credit hours)

Elective credit hour requirement is dependent on choice of Engineering Science Requirements. General Education Requirements, Engineering Science Requirements, and Electives should sum to at least 60 credit hours.

BIO 1111 - General College Biology with Lab: GT-SC1 5 Credits
CHE 1112 - General College Chemistry II: GT-SC1 5 Credits
GEY 1111 - Physical Geology w/Lab: GT-SC1 4 Credits

PHY 2112 - Physics: Calculus-Based II With Lab: GT-SC1 5 Credits
EGG 2011 - Engineering Mechanics I-Statics 3 Credits
EGG 2012 - Engineering Mechanics II (Dynamics) 3 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
Any Course in PED Prefix (2 Credits)

Note(s)

* Please be advised: If you choose one of these courses, it will put you over 60 credits. The courses will transfer, but the extra credits may not. That is, the receiving institution may still require the completion of 60 credits for the major.

If possible, students transferring to Mines should take the Calculus II and III sequence at the same institution.
If possible, Mines would prefer students take MAT 2431 and MAT 2561
Elective credit should be selected based on program(s) of interest at Colorado School of Mines. Students should contact a Mines advisor and refer to the Catalog information at https://catalog.mines.edu to obtain information regarding course transfer. Students can also visit https://www.mines.edu/registrar/cccs-preapproved-transfer/ to learn more about core requirements at Mines

Total: 60-62 Credit Hours

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Mechanical Engineering, AES

CIP 141901 (EMEC)

This program is designed for students transferring to a four-year university to complete their BS degree in Mechanical Engineering. It allows students to complete the first two years of the BS degree at the community college. Students explore calculus, physics, and engineering applications. Mechanical engineering combines engineering physics, mathematics, and materials science principles, preparing them to design, analyze, manufacture, and maintain systems that incorporate motion, energy, and force. Mechanical engineers are creative problem solvers who design, develop, and manufacture the machines and instrumentation that run energy, building, environmental, and transportation systems. This program introduces students to calculus, physics, and engineering applications and it includes courses that are design to transfer to Colorado State University and University of Colorado in order to continue studies in mechanical engineering. This is a designed career pathway in mechanical engineering. The Associate of Engineering Science (AES) degree prepares students to complete the second half of a Bachelor of Science (BS) in mechanical engineering at a four-year university, specifically Colorado State University and University of Colorado.

The AES in Mechanical Engineering requires you to enter prepared to take Calculus (MAT 2410), General College Chemistry I (CHE 1111), and Calculus-based Physics (PHY 2111). Any needed prerequisites to be ready for these courses will not count for this degree. For some students, a general AS degree is a better

fit. It allows you to apply college-level courses in College Algebra, Pre-calculus, and Physics. See an advisor to discuss testing out options, review transfer university requirements, and to develop an academic plan that works for you.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (34 credit hours)

Written Communications (3 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
ENG 1031 - Technical Writing I: GT-CO1 3 Credits

Mathematics (10 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits
MAT 2420 - Calculus II: GT-MA1 5 Credits

Arts and Humanities (3 credit hours)

GT – One GT Pathways Arts and Humanities course (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

Social and Behavioral Sciences (3 credit hours)

GT – One GT Pathways Social and Behavioral Sciences course (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (15 credit hours)

CHE 1111 - General College Chemistry I: GT-SC1 5 Credits
PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1 5 Credits
PHY 2112 - Physics: Calculus-Based II With Lab: GT-SC1 5 Credits

Major Required Courses (27-30 credit hours)

(Each track is specific to the transfer Institution)

Track I: Colorado State University

ENG 1022 - English Composition II: GT-CO2 3 Credits
MAT 2430 - Calculus III: GT-MA1 4 Credits **OR**
MAT 2431 - Calculus III with Engineering Applications: GT-MA1 5 Credits *(preferred)*

Choose one Mathematics course group

MAT 2561 - Differential Equations with Engineering Applications: GT-MA1 4 Credits **AND** MAT 2540 Linear Algebra 3 Credits **OR**
MAT 2560 - Differential Equations: GT-MA1 3 Credits **AND** MAT 2540 Linear Algebra 3 Credits **OR** MAT 2562 Differential Equations with Linear Algebra 4 Credits *(Preferred)*

Required Engineering Courses

EGG 2011 - Engineering Mechanics I-Statics 3 Credits
EGG 2012 - Engineering Mechanics II (Dynamics) 3 Credits

EGG 1050 - Engineering Data Analysis 1 Credit
EGT 1110 - Intro Design/Engineering Apps 3 Credits **OR** EGG 1040 First Year Engineering Projects 3 Credits
EGG 1060 - Introduction to Engineering Computing 4 Credits
CAD 2455 - Solidworks/Mechanical 3 Credits

Track II: University of Colorado

MAT 2430 - Calculus III: GT-MA1 4 Credits **OR**
MAT 2431 - Calculus III with Engineering Applications: GT-MA1 5 Credits *(preferred)*

Choose one Mathematics course group

MAT 2561 - Differential Equations with Engineering Applications: GT-MA1 4 Credits **AND** MAT 2540 Linear Algebra 3 Credits **OR**
MAT 2560 - Differential Equations: GT-MA1 3 Credits **AND** MAT 2540 Linear Algebra 3 Credits **OR** MAT 2562 Differential Equations with Linear Algebra 4 Credits *(preferred)*

Required Engineering Courses

EGG 2012 - Engineering Mechanics II (Dynamics) 3 Credits
EGG 2030 - Mechanics of Solids 3 Credits
EGG 2011 - Engineering Mechanics I-Statics 3 Credits

Choose one Engineering course group

EGT 1110 - Intro Design/Engineering Apps 3 Credits **OR** EGG 1040 First Year Engineering Projects 3 Credits **OR** EGG 1020 Introduction to Engineering Methodologies 3 Credits **OR** EGG 1051 Introduction to Experimental Design and Engineering 2 Credits **AND** EGG 1030 Robotics Design 1 Credit
CSC 1060 - Computer Science I (Language) 4 Credits **OR** EGG 1060 Introduction to Engineering Computing 4 Credits
CAD 2455 - Solidworks/Mechanical 3 Credits **OR** EGG 2020 Thermodynamics 3 Credits

Choose one Elective Course (3-4 credit hours)

CAD 2455 - Solidworks/Mechanical 3 Credits
EGG 2020 - Thermodynamics 3 Credits
CSC 1061 - Computer Science II (Language) 4 Credits

Note(s)

[1]MAT 2431 is preferred,however, additional credits over 64 may not transfer to all universities

[2]MAT 2562 is preferred. If a student takes both MAT 2560 and MAT 2540 additional credits over 64 may result which may not transfer to all universities.

Total: 61-64 Credit Hours

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Associate of Fine Arts

The Associate of Fine Arts Degree in Studio Art, prepares students for transfer to Bachelor of Fine Arts (BFA) programs at four-year institutions. The degree is composed of the first two years of study toward the Bachelor of Fine Arts (BFA) degree. The Associate of Fine Arts degree will provide a well-rounded education with hands-on instruction in studio art courses to develop effective visual expertise in composition, media, and professional presentation standards.

A full time student can complete the Associate of Fine Art (AFA) degree in two years. This degree prepares to transfer to a four-year university to complete the second half of a Bachelor of Fine Arts (BFA).

To be successful, a student should have a strong interest in creative endeavors, fine motor skills, ability to be self-directed, and an entrepreneurial spirit.

Associate of Fine Arts AFA

CIP 500702 (FSTU)

This program is designed to transfer to Metropolitan State University of Denver's BFA program.

The Associate of Fine Arts Degree in Studio Art, prepares students for transfer to Bachelor of Fine Arts (BFA) programs at four-year institutions. The degree is composed of the first two years of study toward the Bachelor of Fine Arts (BFA) degree. The Associate of Fine Arts degree will provide a well-rounded education with hands-on instruction in studio art courses to develop effective visual expertise in composition, media, and professional presentation standards.

Career paths in Fine Art include professional artist, craft artist, sculptor, painter, illustrator, and art teacher.

A full time student can complete the Associate of Fine Art (AFA) degree in two years. This degree prepares to transfer to a four-year university to complete the second half of a Bachelor of Fine Arts (BFA).

To be successful, a student should have a strong interest in creative endeavors, fine motor skills, ability to be self-directed, and an entrepreneurial spirit.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (30 credit hours)

Written Communication (6 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits
- ENG 1022 - English Composition II: GT-CO2 3 Credits

Mathematics (3 credit hours)

- GT - One GT Pathways Math course (GT-MA1)
- Recommend MAT 1260 Introduction to Statistics: GT-MA1

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts and Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-H1)

Social and Behavioral (6 credit hours)

GT - Two GT Pathways Social and Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (6 credit hours)

GT - Two GT Pathways Natural & Physical Science courses (GT-SC2)

Major Courses (27 credit hours)

Art Foundation Required Courses

ART 1111 - Art History I Ancient to Medieval: GT-AH1 3 Credits
ART 1112 - Art History II Renaissance to Modern: GT-AH1 3 Credits
ART 1201 - Drawing I 3 Credits
ART 1002 - Visual Concepts 2-D Design 3 Credits
ART 1003 - Visual Concepts 3-D Design 3 Credits
ART 1004 - 4-D Design: Time-Based Art 3 Credits

Studio Emphasis Required Courses

Choose 2 courses from the same **studio emphasis***:*

Drawing/Painting

ART 1202 - Drawing II 3 Credits **OR** ART 1203 - Figure Drawing I 3 Credits

ART 1301 - Painting I 3 Credits **OR** ART 1501 - Printmaking I 3 Credits

Photography

ART 1402 - Darkroom Photography I 3 Credits

ART 1401 - Digital Photography I 3 Credits

Ceramics

ART 1703 - Ceramics I 3 Credits

ART 1704 - Ceramics II 3 Credits

Jewelry

ART 1604 - Jewelry and Metalwork I 3 Credits

ART 1605 - Jewelry & Metalwork II 3 Credits

Studio Capstone

ART 2089 - Capstone 3 Credits

Electives (3 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes except Special Topics (275) and Independent Study (285): ANT, ART, BIO (100 OR above), CHE, HIS, HUM, LIT, MUS, PED, PHI, PHY (105 OR above), POS, PSY, SOC

Specific Courses:

- AAA 1001 - College 101: The Student Experience 1 Credit
- AAA 1009 - Advanced Academic Achievement 3 Credits
- ACC 1011 - Introduction to Financial Accounting 3 Credits
- ACC 1012 - Introduction to Managerial Accounting 3 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1150 - Public Speaking 3 Credits
- DAT 1001 - Introduction to Data Science 3 Credits
- HWE 1050 - Human Nutrition 3 Credits
- HWE 1060 - Weight Loss 1 Credit
- HWE 1062 - Health and Wellness 3 Credits

Total: 60 Credits

Graduation Requirements

- Courses required for this degree must be completed with a "C" or better to be considered for transfer to another institution.
- Apply for graduation online at www.arapahoe.edu/graduation

Associate of Science

Students successfully completing any Guaranteed Transfer Courses with a "C" or better are guaranteed acceptance of the course at any public four-year College or university in Colorado.

The State Guaranteed Transfer Courses and the Colorado Community College General Education requirements have been incorporated into the degree. Students who complete a 60 credit-hour A.S. degree with appropriate course requirements and grades of "C" or better may be able to complete a Baccalaureate degree in 60 additional credits after transferring to a four-year public institution. Consult your ACC Advisor about Colorado's 60 + 60 agreement.

NOTE: This guarantee excludes majors in Education, Business, Engineering and Nursing.

NOTE: No course substitutions will be accepted for the Associate of Arts or Associate of Science degrees.

Associate of Science, General

CIP 240199

Students successfully completing any Guaranteed Transfer Courses with a "C" or better are guaranteed acceptance of the course at any public four-year College or university in Colorado. The State Guaranteed Transfer Courses and the Colorado Community College General Education requirements have been incorporated into the degree. Students who complete a 60 credit-hour A.S. degree with appropriate course requirements and grades of "C" or better may be able to complete a Baccalaureate degree in 60 additional credits after transferring to a four-year public institution. Consult your ACC Advisor about Colorado's 60 + 60 agreement.

NOTE: This guarantee excludes majors in Education, Business, Engineering and Nursing.

NOTE: No course substitutions will be accepted for the Associate of Arts or Associate of Science degrees.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (36 credit hours)

Written Communications (6 credit hours)

Any GT-CO1 **and** GT-CO2 **OR**
Any GT-CO2 **and** GT-CO3

Mathematics (3 credit hours)

Any GT-MA1 course MAT 1260 OR higher

Arts and Humanities (6 credit hours)

GT - Two Guaranteed Transfer Arts & Humanities courses (GT-AH1, GTAH2, GT-AH3, or GT-AH4).

Social and Behavioral Science (3 credit hours)

GT - One Guaranteed Transfer Social & Behavioral Science course (GT-SS1, GT-SS2, or GT-SS3).

History (3 credit hours)

GT - One Guaranteed Transfer course from: History (GT-HI1).

Student Option (3 credit hours)

One Guaranteed Transfer Arts & Humanities/Social & Behavioral Science/History courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4, GT-SS1, GT-SS2, GT-SS3, or GT-HI1)

Natural and Physical Sciences (12 credit hours)

Two GT Science courses with a lab (GT-SC1) AND

One GT Science course (GT-SC1 or GT-SC2)

Elective Courses (24 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes

Any course in the following prefixes except Special Topics and Independent Study: ANT, ART, AST (1110 or higher), BIO (1003 or higher), CHE (1004 or higher), CSC (1019 or higher), EGG (1030 or higher), HIS, HUM, LIT, MAT (1260 or higher), MUS, PED, PHI, PHY (1105 or higher), PSC, PSY, SOC, any world language 1011 or higher.

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits

CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
HWE 1050 - Human Nutrition 3 Credits
HWE 1062 - Health and Wellness 3 Credits
DAT 1001 - Introduction to Data Science 3 Credits

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Biology Transfer Major, AS

CIP 260101 (DBIO)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (35 credit hours)

Written Communication (6 credit hours)

One GT-Pathways approved GT-CO1 and GT-CO2 course
OR
One GT-Pathways approved GT-CO2 and GT-CO3 course

Mathematics (4 credit hours)

MAT 1340 - College Algebra: GT-MA1 4 Credits or higher-numbered GT-Pathways approved math course (GT-MA1)

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Science (6 credit hours)

GT - Two GT Pathways Social & Behavioral Science courses (GT-SS1, GT-SS2, or GT-SS3)

Natural and Physical Sciences (10 credit hours)

BIO 1111 - General College Biology with Lab: GT-SC1 5 Credits *
CHE 1111 - General College Chemistry I: GT-SC1 5 Credits *

Additional Required Courses (20 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

BIO 1112 - General College Biology II with Lab: GT-SC1 5 Credits *
CHE 1112 - General College Chemistry II: GT-SC1 5 Credits *
PHY 1111 - Physics: Algebra-Based I: With Lab: GT-SC1 5 Credits * **OR** PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1
PHY 1112 - Physics: Algebra-Based II with Lab: GT-SC1 5 Credits * **OR** PHY 2112 - Physics: Calculus-Based II With Lab: GT-SC1

Note(s):

*Students are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if they anticipate transferring to a 4-year institution or completing graduate work in the sciences or health professions. It should be noted that per Colorado Revised Statute, §23-1-125(1)(e), general education courses taken online are guaranteed to satisfy core course (GT Pathways) requirements at all Colorado public institutions of higher education.

Elective Courses (5 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes

Any course in the following prefixes except Special Topics (2075) and Independent Study (2085): AST (1000 or higher), BIO (1000 or higher), CHE (1000 or higher), EGG (1000 or higher), MAT (1340 or higher, except 1220 or 1230), PHY (1111 or higher), or any foreign language (1011 or above).

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
COM 1150 - Public Speaking 3 Credits
DAT 1001 - Introduction to Data Science 3 Credits
HWE 1050 - Human Nutrition 3 Credits
HWE 1062 - Health and Wellness 3 Credits

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Chemistry Transfer Major, AS

CIP 400501 (DCHE)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (36 credit hours)

CCCS Courses Applied to GT Pathways General Education Curriculum (see Notes below)

Written Communication (6 credit hours)

Any GT-CO1 and GT-CO2 course

OR

Any GT-CO2 and GT-CO3 course

Mathematics (5 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Science (6 credit hours)

GT - Two GT Pathways Social & Behavioral Science courses (GT-SS1, GT-SS2, or GT-SS3)

Natural and Physical Sciences (10 credit hours)

CHE 1111 - General College Chemistry I: GT-SC1 5 Credits (w Lab)
CHE 1112 - General College Chemistry II: GT-SC1 5 Credits (w Lab)

Additional Required Courses (29 credit hours)

MAT 2420 - Calculus II: GT-MA1 5 Credits
MAT 2430 - Calculus III: GT-MA1 4 Credits **OR** MAT 2431 - Calculus III with Engineering Applications: GT-MA1
PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1 5 Credits (w Lab)
PHY 2112 - Physics: Calculus-Based II With Lab: GT-SC1 5 Credits (w Lab)
CHE 2111 - Organic Chemistry I 5 Credits (w Lab) *

CHE 2112 - Organic Chemistry II 5 Credits (w Lab) *

Note(s):

***** Lecture and laboratory portions of Organic Chemistry, CHE 2111 and CHE 2112, must not be taken in an online delivery format.

Total: 65 credit hours

Notes:

1. 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.

2. 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, AH2, AH3, or 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.

3. 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.

4. Lecture and laboratory portions of organic chemistry, CHE 2111 and 2112, must not be taken in an online delivery format.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Computer Science Transfer Major, AS: CSU

CIP 110701 (DCIS)

The requirements for this program are for **Colorado State University**.

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at any public four-year college and university (hereafter referred to as receiving institutions) that offers that program within the minimum number of credits designated by the Colorado Commission on Higher Education.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (33 credit hours)

Written Communication (6 credit hours)

Any (GT-CO1) course plus any (GT-CO2) course **OR**
Any (GT-CO3) course plus any (GT-CO4) course

Mathematics (5 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits
(Additional coursework might be required to meet pre-requisite requirements for calculus. Pre-requisite courses may apply toward elective credit hours.)

Arts and Humanities (6 credit hours)

Any two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) (6 credits)

History (3 credit hours)

Any one GT Pathways History Course (GT-HI1) (3 credits)

Social and Behavioral Sciences (6 credit hours)

Any two GT Pathways Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3) (6 credits)

Natural and Physical Sciences (7 credit hours)

Select from GT-SC1/GT-SC2 courses with at least one GT-SC1 course. GT-SC1/GT-SC2 courses in sequence (same discipline) are recommended (and may be required depending on the receiving institution—consult the advising office).
Courses must be selected in consultation with the advising office from the community college and from the intended transfer institution, if known.

Seven credit minimum; additional credits in this area will be applied toward electives.

Additional Required Courses (12 credit hours)

Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

CSC 1060 - Computer Science I (Language). 4 Credits
CSC 1061 - Computer Science II (Language). 4 Credits
(Courses must be selected in consultation with the advising offices to ensure that the courses taken are in the preferred programming language. Additional coursework might be required to meet pre-requisite requirements for Computer Science I. Pre-requisite courses may apply toward elective credit hours.)

CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits

Free Electives (15 credits)

(including institution-specific required courses listed below)

MAT 2420 - Calculus II: GT-MA1 5 Credits - Required for most Computer Science Programs at most four-year institutions. Consult an academic advisor at the intended transfer institution.

Required for Colorado State University:

CSC 2065 - Discrete Structures 4 Credits (Colorado State will accept MAT 2520 as an alternative to CSC 1065)

CSC 2034 - C++ Programming (Platform) 4 Credits

For remaining free electives, students should choose from the following options: Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes, except Special Topics (2075) and Independent Study (2085): AST (1000 or higher), BIO (1000 or higher), CHE (1000 or higher), EGG (1000 or higher), MAT (1340 or higher, except 1220 or 1230), PHY (1111 or higher), or any foreign language (1011 or above).

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credits

AAA 1009 - Advanced Academic Achievement 3 Credits

CIS 1018 - Introduction to PC Applications 3 Credits

CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits

CSC 1026 - Game Design and Development 3 Credits

CSC 1060- Computer Science I (Language) 4 Credits

CSC 1061 - Computer Science II (Language) 4 Credits

CSC 2065 - Discrete Structures 4 Credits

CSC 2000 - Game Programming I 3 Credits

CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits

CSC 2033 - Object-Oriented Prog.: (Lang) 3 Credits

CSC 2036 - C# Programming 4 Credits

CSC 2040 - Java Programming 3 Credits

HNR 1000 - Honors Seminar: 1 Credits

HNR 2089 - Capstone: Honors 1 Credits

HWE 1050 - Human Nutrition 3 Credits

HWE 1062 - Health and Wellness 3 Credits

HWE 1065 - Introduction to Exercise Health Sciences 3 Credits

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation

Computer Science Transfer Major, AS: CU Boulder

CIP 110701 (DCIS)

The requirements for this program are for the **University of Colorado Boulder**.

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at any public four-year college and university (hereafter referred to as receiving institutions) that offers that program within the minimum number of credits designated by the Colorado Commission on Higher Education.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (33 credit hours)

Written Communication (6 credit hours)

- Any (GT-CO1) course plus any (GT-CO2) course **OR**
- Any (GT-CO3) course plus any (GT-CO4) course

Mathematics (5 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits

(Additional coursework might be required to meet pre-requisite requirements for calculus. Pre-requisite courses may apply toward elective credit hours.)

Arts and Humanities (6 credit hours)

- Any two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) (6 credits)

History (3 credit hours)

- Any one GT Pathways History Course (GT-HI1) (3 credits)

Social and Behavioral Sciences (6 credit hours)

- Any two GT Pathways Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3) (6 credits)

Natural and Physical Sciences (7 credit hours)

- Select from GT-SC1/GT-SC2 courses with at least one GT-SC1 course. GT-SC1/GT-SC2 courses in sequence (same discipline) are recommended (and may be required depending on the receiving institution—consult the advising office).

  Courses must be selected in consultation with the advising office from the community college and from the intended transfer institution, if known. Seven credit minimum; additional credits in this area will be applied toward electives.

Additional Required Courses (12 credit hours)

Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

CSC 1060 - Computer Science I (Language) 4 Credits *
CSC 1061 - Computer Science II (Language) 4 Credits *
*(Courses must be selected in consultation with the advising offices to ensure that the courses taken are in the preferred programming language. Additional coursework might be required to meet pre-requisite requirements for Computer Science I. Pre-requisite courses may apply toward elective credit hours.)

CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits

Free Electives (15 credits)

(including institution-specific required courses listed below)

MAT 2420 - Calculus II: GT-MA1 5 Credits - Required for most Computer Science Programs at most four-year institutions. Consult an academic advisor at the intended transfer institution.

Required for **University of Colorado Boulde**r:

MAT 2540 - Linear Algebra 3 Credits
CSC 2065 - Discrete Structures 4 Credits

For remaining free electives, students should choose from the following options. Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes, except Special Topics (2075) and Independent Study (2085): AST (1000 or higher), BIO (1000 or higher), CHE (1000 or higher), EGG (1000 or higher), MAT (1340 or higher, except 1220 or 1230), PHY (1111 or higher), or any foreign language (1011 or above).

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credit

AAA 1009 - Advanced Academic Achievement 3 Credits

CIS 1018 - Introduction to PC Applications 3 Credits

CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits

CSC 1026 - Game Design and Development 3 Credits

CSC 1060 - Computer Science I (Language) 4 Credits

CSC 1061 - Computer Science II (Language) 4 Credits

CSC 2065 - Discrete Structures 4 Credits

CSC 2000 - Game Programming I 3 Credits

CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits

CSC 2033 - Object-Oriented Prog.: (Lang) 3 Credits

CSC 2036 - C# Programming 4 Credits

CSC 2040 - Java Programming 3 Credits

HNR 1000 - Honors Seminar: 1 Credits

HNR 2089 - Capstone: Honors 1 Credits

HWE 1050 - Human Nutrition 3 Credits

HWE 1062 - Health and Wellness 3 Credits

HWE 1065 - Introduction to Exercise Health Sciences 3 Credits

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Computer Science Transfer Major, AS: Mines

CIP 110701 (DCIS)

The requirements for this program are for the **Colorado School of Mines**

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at any public four-year college and university (hereafter referred to as receiving institutions) that offers that program within the minimum number of credits designated by the Colorado Commission on Higher Education.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (33 credit hours)

Written Communication (6 credit hours)

ENG 1021 ENG 1021 - English Composition I: GT-CO1 3 Credits
ENG 1022 ENG 1022 - English Composition II: GT-CO2 3 Credits

Mathematics (5 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits
(Additional coursework might be required to meet pre-requisite requirements for calculus. Pre-requisite courses may apply toward elective credit hours.)

Arts and Humanities (6 credit hours)

PHI 2018 Environmental Ethics: GT-AH3

One additional course GT-AH course from the CSM CCCS H&SS Undergraduate Pre-Approved List

History (3 credit hours)

HIS 2015 20th Century World History: GT-HI1 **OR**
Another GT-HI1 course from the CSM CCCS H&SS Undergraduate Pre-Approved List

Social and Behavioral Sciences (6 credit hours)

ECO 2001 Principles of Macroeconomics: GT-SS1
ECO 2002 Principles of Microeconomics: GT-SS1

Natural and Physical Sciences (7 credit hours)

Select two courses from

PHY 1111 Physics: Algebra-Based I: With Lab: GT-SC1
PHY 1112 Physics: Algebra-Based II: With Lab: GT-SC1
CHE 1111 General College Chemistry I: GT-SC1

Additional Required Courses (12 credit hours)

Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits *
CSC 1061 - Computer Science II (Language) 4 Credits *
*Courses must be selected in consultation with the advising offices to ensure that the courses taken are in the preferred programming language.

Free Electives (15 credits)

(including institution-specific required courses listed below)

MAT 2420 - Calculus II: GT-MA1 5 Credits - **Required for most Computer Science Programs at most four-year institutions**. Consult an academic advisor at the intended transfer institution.
Required for School of Mines:
MAT 2430 - Calculus III: GT-MA1 4 Credits **OR**
MAT 2431 - Calculus III with Engineering Applications: GT-MA1 5 Credits
Note: For Colorado School of Mines, students are advised to use any remaining free elective credits to take MAT 2561, CHE 1111, or PHY 2112 (CSC 2065 will be accepted in transfer but the other courses are preferred).

Guaranteed Transfer

Any Guaranteed Transfer Course
Any course in the following prefixes, except Special Topics (2075) and Independent Study (2085): AST (1000 or higher), BIO (1000 or higher), CHE (1000 or higher),

EGG (1000 or higher), MAT (1340 or higher, except 1220 or 1230), PHY (1111 or higher), or any foreign language (1011 or above).

Specific Courses

- AAA 1001 - College 101: The Student Experience 1 Credit
- AAA 1009 - Advanced Academic Achievement 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
- CSC 1026 - Game Design and Development 3 Credits
- CSC 1060 - Computer Science I (Language) 4 Credits
- CSC 1061 - Computer Science II (Language) 4 Credits
- CSC 2065 - Discrete Structures 4 Credits
- CSC 2000 - Game Programming I 3 Credits
- CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits
- CSC 2033 - Object-Oriented Prog.: (Lang) 3 Credits
- CSC 2036 - C# Programming 4 Credits
- CSC 2040 - Java Programming 3 Credits
- HNR 1000 - Honors Seminar: 1 Credit
- HNR 2089 - Capstone: Honors 1 Credit
- HWE 1050 - Human Nutrition 3 Credits
- HWE 1062 - Health and Wellness 3 Credits
- HWE 1065 - Introduction to Exercise Health Sciences 3 Credits

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Computer Science Transfer Major, AS: UCD UNC

CIP 110701 (DCIS)

The requirements for this program are for the **University of Colorado Denver** and the **University of Northern Colorado**.

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at any public four-year college and university (hereafter referred to as receiving institutions) that offers that program within the minimum number of credits designated by the Colorado Commission on Higher Education.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Requirements (33 credit hours)

Written Communication (6 credit hours)

Any (GT-CO1) course plus any (GT-CO3) course **OR**
Any (GT-CO3) course plus any (GT-CO4) course

Mathematics (5 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits
(Additional coursework might be required to meet pre-requisite requirements for calculus. Pre-requisite courses may apply toward elective credit hours.)

Arts and Humanities (6 credit hours)

Any two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4) (6 credits)

History (3 credit hours)

Any one GT Pathways History Course (GT-HI1) (3 credits)

Social and Behavioral Sciences (6 credit hours)

Any two GT Pathways Social & Behavioral Sciences courses (GT-SS1, GT-SS2, GT-SS3) (6 credits)

Natural and Physical Sciences (7 credit hours)

Select from GT-SC1/GT-SC2 courses with at least one GT-SC1 course. GT-SC1/GT-SC2 courses in sequence (same discipline) are recommended (and may be required depending on the receiving institution-consult the advising office).
Courses must be selected in consultation with the advising office from the community college and from the intended transfer institution, if known. Seven credit minimum; additional credits in this area will be applied toward electives.

Additional Required Courses (12 credit hours)

Please note: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

CSC 1060 - Computer Science I (Language). 4 Credits
CSC 1061 - Computer Science II (Language). 4 Credits
(Courses must be selected in consultation with the advising offices to ensure that the courses taken are in the preferred programming language. Additional coursework might be required to meet pre-requisite requirements for Computer Science I. Pre-requisite courses may apply toward elective credit hours.)

CSC 2025 - Computer Architecture/Assembly. Language Programming 4 Credits

Free Electives (15 credits)

(including institution-specific required courses listed below)

MAT 2420 - Calculus II: GT-MA 1 5 Credits - Required for most Computer Science Programs at most four-year institutions. Consult an academic advisor at the intended transfer institution.

Required for **University of Colorado Denver** and University of Northern Colorado:

CSC 2065 - Discrete Structures 4 Credits

For remaining free electives, students should choose from the following options: Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes, except Special Topics (2075) and Independent Study (2085): AST (1000 or higher), BIO (1000 or higher), CHE (1000 or higher), EGG (1000 or higher), MAT (1340 or higher, except 1220 or 1230), PHY (1111 or higher), or any foreign language (1011 or above).

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credit

AAA 1009 - Advanced Academic Achievement 3 Credits

CIS 1018 - Introduction to PC Applications 3 Credits

CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits

CSC 1026 - Game Design and Development 3 Credits

CSC 1060 - Computer Science I (Language) 4 Credits

CSC 1061 - Computer Science II (Language) 4 Credits

CSC 2065 - Discrete Structures 4 Credits

CSC 2000 - Game Programming I 3 Credits

CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits

CSC 2033 - Object-Oriented Prog.: (Lang) 3 Credits

CSC 2036 - C# Programming 4 Credits

CSC 2040 - Java Programming 3 Credits

HNR 1000 - Honors Seminar: 1 Credits

HNR 2089 - Capstone: Honors 1 Credits

HWE 1050 - Human Nutrition 3 Credits

HWE 1062 - Health and Wellness 3 Credits

HWE 1065 - Introduction to Exercise Health Sciences 3 Credits

Total: 60 credit hours

Courses required for this degree must be completed with a "C" or better to be considered for transfer to another institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Engineering Agreement Major, AS

CIP 140101 (OEGG)

The purpose of this major is to allow students to declare an Engineering-related interest while working on the appropriate coursework in preparation for transfer to specific institutions. Given the wide variety of engineering programs at the four-year institutions in Colorado, it is critical that a student contact and work directly with an ACC Academic Advisor to select (a) the appropriate program (b) the specific 4-year institution that they want to attend, and (c) the appropriate courses to complete at ACC prior to transfer.

It is not possible to graduate from the AS – Engineering Agreement degree at ACC. Because of the wide variance in the types of engineering degrees available at the four-year institutions, there is not a set and prescribed curriculum to complete in an Associate of Science degree.

For more information about this available Pre-Engineering Transfer Agreement, please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

Consult with your ACC Academic Advisor and an Advisor at the four-year institution in Colorado where you seek to pursue your Bachelor degree to determine the courses to take at ACC.

Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

It is not possible to graduate from the AS – Engineering Agreement degree at ACC.

Exercise Science - Health Promotion, AS

CIP 310505 (OESH)

This program is designed to transfer exclusively to Colorado State University's BS in Health and Exercise Science – Health Promotion Concentrations.

Health and Exercise Science students are introduced to concepts related to human movement and the promotion of positive health behaviors. Topics include human physiology and anatomy, nutrition, and factors contributing to chronic disease states.

Career paths for Health and Exercise Science – Health Promotion graduates include corporate health and wellness, sports psychology, health promotion or insurance programs,
fitness centers or health clubs, military training, and sports management and marketing. These careers typically require a bachelor's degree or higher.

A full time student can complete this Associate of Science (AS) degree in two years. This degree prepares students to transfer to a four-year university to complete the second half of a Bachelor of Science (BS) in Health and Exercise Science.

To be successful, students should have a foundation in science and math and an interest in working with people to support healthy lifestyles.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (41 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits
ENG 1022 - English Composition II: GT-CO2 3 Credits

Oral Communication (3 credit hours)

COM 1150 - Public Speaking 3 Credits

Mathematics (4 credit hours)

MAT 1340 - College Algebra: GT-MA1 4 Credits

Arts and Humanities (6 credit hours)

GT Pathways Arts & Humanities courses (GTAH1, GT-AH2, GT-AH3, GT-AH4) 6 Credits

History (3 credit hours)

GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

PSY 1001 - General Psychology I: GT-SS3 3 Credits
ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits

Natural and Physical Sciences (13 credit hours)

BIO 1111 - General College Biology with Lab: GT-SC1 5 Credits
BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits
BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits

Additional Required Courses (19 credit hours)

HWE 1050 - Human Nutrition 3 Credits
HWE 1061 - Fitness and Wellness 2 Credits
HWE 1062 - Health and Wellness 3 Credits
MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits
CHE 1011 - Introduction to Chemistry I with Lab: GT-SC1 5 Credits **OR**
CHE 1111 - General College Chemistry I: GT-SC1 5 Credits
SOC 2018 - Sociology of Diversity: GT-SS3 3 Credits

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Exercise Science - Sports Medicine, AS

CIP 310505 (OSES)

This program is designed to transfer exclusively to Colorado State University's BS in Health and Exercise Science – Sports Medicine Concentrations.

Health and Exercise Science students are introduced to concepts related to human movement and the promotion of positive health behaviors. Topics include human physiology and anatomy, nutrition, and factors contributing to chronic disease states.

Career paths for Health and Exercise Science – Sports Medicine graduates include physical therapy, cardiovascular rehabilitation, exercise physiology, medicine, and a variety of allied health professions. These careers typically require a bachelor's degree or higher.

A full time student can complete this Associate of Science (AS) degree in two years. This degree prepares students to transfer to a four-year university to complete the second half of a Bachelor of Science (BS) in Health and Exercise Science.

To be successful, students should have a foundation in science and math and an interest in working with people to support healthy lifestyles.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (41 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits
ENG 1022 - English Composition II: GT-CO2 3 Credits

Oral Communication (3 credit hours)

COM 1150 - Public Speaking 3 Credits

Mathematics (4 credit hours)

MAT 1340 - College Algebra: GT-MA1 4 Credits

Arts and Humanities (6 credit hours)

GT Pathways Arts & Humanities courses (GTAH1, GT-AH2, GT-AH3, GT-AH4) 6 Credits

History (3 credit hours)

GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

PSY 1001 - General Psychology I: GT-SS3 3 Credits
Add one of the following:
SOC 2007 - Environmental Sociology: GT-SS3 3 Credits **OR**
PSC 2005 - International Relations: GT-SS1 3 Credits **OR**
PSC 2025 - Comparative Government: GT-SS1 3 Credits

Natural and Physical Sciences (13 credit hours)

- BIO 1111 - General College Biology with Lab: GT-SC1 5 Credits
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits
- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits

Additional Required Courses (19 credit hours)

- HWE 1050 - Human Nutrition 3 Credits
- HWE 1062 - Health and Wellness 3 Credits
- MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits
- CHE 1111 - General College Chemistry I: GT-SC1 5 Credits
- CHE 1112 - General College Chemistry II: GT-SC1 5 Credits

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.

Geology Transfer Major, AS

CIP 400601 (DGEY)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (36 credit hours)

Written Communication (6 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
- ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
- ENG 1022 - English Composition II: GT-CO2 **and**
- GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (5 credit hours)

- MAT 2410 - Calculus I: GT-MA1 5 Credits

Arts and Humanities (6 credit hours)

- GT - Two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

- GT - One GT Pathways course from: History (GT-HI1)

Social and Behavioral Science (6 credit hours)

GT - Two GT Pathways Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (10 credit hours)

CHE 1111 - General College Chemistry I: GT-SC1 5 Credits
CHE 1112 - General College Chemistry II: GT-SC1 5 Credits

Additional Required Courses (23 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

GEY 1111 - Physical Geology w/Lab: GT-SC1 4 Credits
GEY 1112 - Historical Geology w/Lab: GT-SC1 4 Credits
MAT 2420 - Calculus II: GT-MA1 5 Credits
PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1 5 Credits
PHY 2112 - Physics: Calculus-Based II With Lab: GT-SC1 5 Credits
PLEASE NOTE: In addition to meeting the requirements listed here, contact the department at the school to which you want to transfer for program-specific information.

Elective Courses (1 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes

Any course in the following prefixes except Special Topics (2075) and Independent Study (2085): AST (1000 or higher), BIO (1000 or higher), CHE (1000 or higher), EGG (1000 or higher), MAT (1340 or higher, except 1220 or 1230), PHY (1111 or higher), or any foreign language (1011 or above).

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
CSC 1026 - Game Design and Development 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
CSC 2065 - Discrete Structures 4 Credits
CSC 2000 - Game Programming I 3 Credits
CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits

CSC 2033 - Object-Oriented Prog.: (Lang) 3 Credits
CSC 2036 - C# Programming 4 Credits
CSC 2040 - Java Programming 3 Credits
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1050 - Human Nutrition 3 Credits
HWE 1062 - Health and Wellness 3 Credits
HWE 1065 - Introduction to Exercise Health Sciences 3 Credits

Note(s):

Students are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if they anticipate transferring to a 4-year institution or completing graduate work in the sciences or health professions. It should be noted that per Colorado Revised Statute, §23-1-125(1)(e), general education courses taken online are guaranteed to satisfy core course (GT Pathways) requirements at all Colorado public institutions of higher education.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Mathematics Transfer Major, AS

CIP 270101 (DMAT)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (33 credit hours)

Written Communication (6 credit hours)

A GT-CO1 approved course AND a GT-CO2 approved course

OR

A GT-CO2 approved course AND a GT-CO3 approved course

Mathematics (5 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits

Arts and Humanities (6 credit hours)

GT - Two GT Pathways Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social & Behavioral Science courses (GT-SS1, GT-SS2, GT-SS3)

Natural and Physical Sciences (7 credit hours)

Two GT-Pathways Natural and Physical Sciences courses (GT-SC1 and GT-SC2), one must have a laboratory (GT-SC1)

Additional Required Courses (16-17 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to
determine in which way these courses will be applied.

COM 1150 - Public Speaking 3 Credits **OR**
COM 1250 - Interpersonal Communication:GT-SS3 3 Credits **OR**
COM 2300 - Intercultural Communication: GT-SS3 3 Credits
MAT 2420 - Calculus II: GT-MA1 5 Credits
MAT 2430 - Calculus III: GT-MA1 4 Credits **OR**
MAT 2431 - Calculus III with Engineering Applications: GT-MA1 5 Credits
CSC 1060 - Computer Science I (Language) 4 Credits *****
*** Note:** CSU-Ft Collins requires a different computer science course than the community college course. Students should seek advising at CSU-Ft Collins for information on the appropriate computer science course to take.

Elective Courses (4-5 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes

Any course in the following prefixes except Special Topics (2075) and Independent Study (2085): AST (1000 or higher), BIO (1000 or higher), CHE (1000 or higher), EGG (1000 or higher), MAT (1340 or higher, except 1220 or 1230), PHY (1111 or higher), or any foreign language (1011 or above).

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits

CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
CSC 1026 - Game Design and Development 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits
CSC 1061 - Computer Science II (Language) 4 Credits
CSC 2065 - Discrete Structures 4 Credits
CSC 2000 - Game Programming I 3 Credits
CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits
CSC 2033 - Object-Oriented Prog.: (Lang) 3 Credits
CSC 2036 - C# Programming 4 Credits
CSC 2040 - Java Programming 3 Credits
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1050 - Human Nutrition 3 Credits
HWE 1062 - Health and Wellness 3 Credits
HWE 1065 - Introduction to Exercise Health Sciences 3 Credits

Additional Courses

Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution. Students are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if they anticipate transferring to a 4-year institution or completing graduate work in the sciences or health professions. It should be noted that per Colorado Revised Statute, §23-1-125(1)(e), general education courses taken online are guaranteed to satisfy core course (gtPathways) requirements at all Colorado public institutions of higher education.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation).

Physics Transfer Major, AS

CIP 400801 (DPHY)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (36 credit hours)

Written Communication (6 credit hours)

ENG 1021 - English Composition I: GT-CO1 3 Credits **and**
ENG 1022 - English Composition II: GT-CO2 3 Credits **OR**
ENG 1022 - English Composition II: GT-CO2 3 Credits **and**
GT - One GT Pathways approved CO3 course (GT-CO3)

Mathematics (5 credit hours)

MAT 2410 - Calculus I: GT-MA1 5 Credits

Arts and Humanities (9 credit hours)

GT - Three GT Pathways Arts & Humanities courses (GTAH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (3 credit hours)

GT - One GT Pathways Social & Behavioral Science course (GT-SS1, GT-SS2, or GT-SS3)

Natural and Physical Sciences (10 credit hours)

PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1 5 Credits
PHY 2112 - Physics: Calculus-Based II With Lab: GT-SC1 5 Credits

Additional Required Courses (24 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

PHY 2113 - Physics III: Calculus-Based Modern Physics 3 Credits
MAT 2420 - Calculus II: GT-MA1 5 Credits
MAT 2430 - Calculus III: GT-MA1 4 Credits **OR**
MAT 2431 - Calculus III with Engineering Applications: GT-MA1 5 Credits *
MAT 2560 - Differential Equations: GT-MA1 3 Credits **OR**
MAT 2561 - Differential Equations with Engineering Applications: GT-MA1 4 Credits * **OR**
MAT 266 - Differential Equations with Linear Algebra 4 Credits *
CHE 1111 - General College Chemistry I: GT-SC1 5 Credits
CSC 1060 - Computer Science I (Language) 4 Credits **OR**
CHE 1112 - General College Chemistry II: GT-SC1 5 Credits [2] [3] [4] [5]

Note(s):

*Please be advised: If you choose one of these courses, it will put you over 60 credits. The courses will transfer, but the extra credits may not. That is, the receiving institution may still require the completion of 60 credits for the major.

[2] Students planning to transfer to University of Colorado Boulder must take CHE

1112 (not CSC 1060) to fulfill this requirement.
[3] Students planning to transfer to University of Northern Colorado must take CSC 1060 (not CHE 1112) to fulfill this requirement.
[4] Students planning to transfer to Fort Lewis College or University of Colorado Colorado Springs must take both CSC 1060 and CHE 1112
[5] Students planning to transfer to a receiving institution not listed here may choose either one of these courses.

Students are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if they anticipate transferring to a 4-year institution or completing graduate work in the sciences or health professions. It should be noted that per Colorado Revised Statute, §23-1-125(1)(e), general education courses taken online are guaranteed to satisfy core course (gtPathways) requirements at all Colorado public institutions of higher education.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Psychology Transfer Major, AS

CIP 420101 (DSPY)

The purpose of a statewide articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at public four-year colleges and universities as designated by the Colorado Department of Higher Education (CDHE) transfer agreement.

For more information about this transfer degree please refer to the Colorado Department of Higher Education website.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

General Education Courses (35 credit hours)

Written Communication (6 credit hours)

A GT Pathways-approved CO1 course (GT-CO1) and a GT Pathways-approved CO2 course (GT-CO2)
OR
A GT Pathways-approved CO2 course (GT-CO2) and a GT Pathways-approved CO3 course (GT-CO3)

Mathematics (4 credit hours)

MAT 1340 - College Algebra: GT-MA1 4 Credits
or a higher level course in the Calculus sequence

Arts and Humanities (6 credit hours)

Two GT Pathway Arts & Humanities courses from the following categories: GT-AH1, GT- AH2, GT-AH3, GT-AH4

History (3 credit hours)

GT - One GT Pathways History course (GT-HI1)

Social and Behavioral Sciences (6 credit hours)

GT - Two GT Pathways Social & Behavioral Science courses (GT-SS1, GT-SS2, or GT-SS3). **May not be PSY courses.**

Natural and Physical Sciences (10 credit hours)

BIO 1111 - General College Biology with Lab: GT-SC1 5 Credits
BIO 1112 - General College Biology II with Lab: GT-SC1 5 Credits

Additional Required Courses (12 credit hours)

Please Note: If these credits are not required for the major at a receiving 4-year institution, they will be applied to the Bachelor's degree as elective credit towards graduation. Please check with the receiving institution to determine in which way these courses will be applied.

PSY 1001 - General Psychology I: GT-SS3 3 Credits
PSY 1002 - General Psychology II: GT-SS3 3 Credits
PSY 2221 - Social Psychology: GT-SS3 3 Credits
COM 1150 - Public Speaking 3 Credits **OR** Any GT Pathways-approved COM prefix course (The University of Colorado Denver prefers COM 1150 Public Speaking to fulfill this requirement)

Elective Courses (13 credit hours)

Elective credit must be completed from the following lists of approved prefixes or courses to bring the total credit hours to 60.

Guaranteed Transfer

Any Guaranteed Transfer Course

Any course in the following prefixes

Any course in the following prefixes except Special Topics (2075) and Independent Study (2085): AST (1000 or higher), BIO (1000 or higher), CHE (1000 or higher), EGG (1000 or higher), MAT (1340 or higher, except 1220 or 1230), PHY (1111 or higher), or any foreign language (1011 or above).

Specific Courses

AAA 1001 - College 101: The Student Experience 1 Credit
AAA 1009 - Advanced Academic Achievement 3 Credits
CIS 1018 - Introduction to PC Applications 3 Credits
CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
CSC 1026 - Game Design and Development 3 Credits
CSC 1060 - Computer Science I (Language) 4 Credits

CSC 1061 - Computer Science II (Language) 4 Credits
CSC 2065 - Discrete Structures 4 Credits
CSC 2000 - Game Programming I 3 Credits
CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits
CSC 2033 - Object-Oriented Prog.: (Lang) 3 Credits
CSC 2036 - C# Programming 4 Credits
CSC 2040 - Java Programming 3 Credits
HNR 1000 - Honors Seminar: 1 Credit
HNR 2089 - Capstone: Honors 1 Credit
HWE 1050 - Human Nutrition 3 Credits
HWE 1062 - Health and Wellness 3 Credits
HWE 1065 - Introduction to Exercise Health Sciences 3 Credits

Note(s):

Students planning to transfer to University of Colorado Denver should complete **both** two-Semester sequences of BIO 1111 & BIO 1112 and CHE 1111 & CHE 1112 at the community college; in addition electives are restricted to non-psychology courses.

Students are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if they anticipate transferring to a 4-year institution or completing graduate work in the sciences or health professions. It should be noted that per Colorado Revised Statute, §23-1-125(1)(e), general education courses taken online are guaranteed to satisfy core course (gtPathways) requirements at all Colorado public institutions of higher education.

Total: 60 credit hours

All courses required for this degree must be completed with a "C" or better to be considered for transfer to another Colorado institution. Transferability of courses to colleges or universities outside of Colorado is determined by the receiving institution.

Graduation Requirements

Apply for graduation online at www.arapahoe.edu/graduation.

Associate of Applied Science

The common goal of all Associate of Applied Science degrees and occupational certificate programs is to prepare students for employment in specific occupations. The programs for the degrees consist of major courses as well as related general education courses. While many of these courses may transfer to a four-year College or university, the programs themselves do not have transferability as their primary goal. Students are encouraged to discuss career goals and educational objectives with an Advisor prior to enrolling in these programs. Courses numbered below 100 cannot be used to satisfy elective requirements for A.A.S. degrees.

Accounting, AAS

CIP 520301 (AACT)

This program is designed to prepare the student for entry-level positions in the bookkeeping/accounting field. This would include clerical positions in specialized areas such as accounts payable, accounts receivable and payroll, as well as positions with a more total involvement in accounting.

Admission Requirements

- Application to Arapahoe Community College

Program Requirements

General Education Courses (16 credit hours)

- BUS 2016 - Legal Environment of Business 3 Credits
- COM 1150 - Public Speaking 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits **OR** higher

Major Courses (35 credit hours)

- ACC 1015 - Payroll Accounting 3 Credits
- ACC 1011 - Introduction to Financial Accounting 3 Credits
- ACC 1012 - Introduction to Managerial Accounting 3 Credits
- ACC 1031 - Income Tax 3 Credits
- ACC 1035 - Spreadsheet Application for Accounting 3 Credits
- ACC 2011 - Intermediate Accounting I 4 Credits
- ACC 2026 - Cost Accounting 3 Credits
- ACC 2035 - Computerized Accounting for Small Business 3 Credits
- ACC 2087 - Cooperative Education 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- FIN 1010 - Introduction to Finance 3 Credits
- MAN 1017 - Time Management 1 Credit
  OR BUS 1021 - Basic Workplace Skills

Electives (9 credit hours)

Select 9 credit hours from any course with the following prefix, not already required: BTE, BUS, ECO, FIN, INV, MAN, MAR, ACC, CIS, CNG, CSC. Please consult with an Advisor for selection of electives best suited to your needs.

Total: 60 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Allied Health AAS

CIP 510000 (ALHE)

The Allied Health Associate of Applied Science degree is tailored to prepare students for immediate employment in the healthcare field while laying a foundation for career advancement. Students develop practical skills, including applying medical terminology, performing clinical procedures, and assisting patients in diverse healthcare settings. Graduates are equipped to meet the demands of various entry-level roles and have the opportunity to continue their

education in advanced healthcare programs.

All students enrolled in the Allied Health AAS program have the opportunity to earn the Medical Office Administrative Assistant Certificate, enabling them to start working in the healthcare field while they are still pursuing their studies, should they choose to do so. Additionally, Allied Health students may opt to complete one of three supplementary healthcare industry certificates offered at ACC: Medical Assistant Certificate, Nurse Aide Certificate, or Phlebotomy Certificate. Successfully completing the required courses for these certificates will result in a certificate of completion, which will potentially allow students to work in their selected field or advance their studies within the Allied Health program or many of the other Health Pathways programs offered at ACC.

A full-time student can complete this Associate of Applied Science (AAS) degree in two years.

Admission Requirements

There are some basic requirements for admission to the Allied Health Program.

Student must have the following to be considered for entrance into this program:

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (23 credit hours)

- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits
- COM 1150 - Public Speaking 3 Credits
  OR COM 1250 - Interpersonal Communication:GT-SS3
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR higher**
- MAT 1120 - Math for Clinical Calculations 3 Credits **OR higher OR** ACC 1011 - Introduction to Financial Accounting
- PSY 1001 - General Psychology I: GT-SS3 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits **OR** CIS 1018 - Introduction to PC Applications **OR** higher CIS course

Major Courses (35 credit hours)

Take any 35 credits (based on selected academic plan)

- HPR 1038 - Introduction to Medical Terminology 1 Credit *****
- MAP 1010 - Medical Office Administration 4 Credits *****
- MAP 1050 - Pharmacology for Medical Assistants 3 Credits *****
- MOT 1025 - Basic Medical Sciences I 3 Credits *****
- MOT 1026 - Basic Medical Sciences II 3 Credits *****
- MOT 1027 - Basic Medical Sciences III 3 Credits *****
- MAP 2038 - Medical Assisting Laboratory 4 Credits *****
- MAP 2040 - Medical Assisting Clinical Skills 4 Credits *****
- HPR 1020 - Phlebotomy 4 Credits *******
- NUA 1001 - Nurse Aide Health Care Skills 4 Credits ******
  Must be taken with NUA 1070 & NUA 1071

- HPR 1008 - Law and Ethics for Health Professions 2 Credits
- HPR 1010 - Dietary Nutrition 1 Credit
- HPR 1040 - Comprehensive Medical Terminology 3 Credits
- HPR 1050 - Basic EKG Interpretation 2 Credits
- MAN 1028 - Human Relations in Organizations 3 Credits
- PSY 2440 - Human Growth and Development: GT-SS3 3 Credits
- CHE 1111 - General College Chemistry I: GT-SC1 5 Credits
- BIO 2116 - Human Pathophysiology 4 Credits

Electives (2 - 5 credit hours)

Must take at least 1 of the following internships/labs

NUA 1070 and NUA 1071 must be taken together

- MAP 1083 - Medical Assistant Internship 5 Credits *

OR

- NUA 1070 - Nurse Aide Clinical Experience 1 Credit **

AND

- NUA 1071 - Clinical: Advanced Nurse Aide 1 Credit **

OR

- HPR 1080 - Internship 3 Credits ***

Footnote:

* Medical Assistant Certificate Courses
** Nurse Aide Certificate Courses
*** Phlebotomy Certificate Courses

Total: 60-63 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Applied Technology, AAS

CIP 419999 (APT1)

The Associate of Applied Science (A.A.S.) Degree in Applied Technology allows Area Technical College graduates to transfer up to 45 credits to Arapahoe Community College toward the completion of this program. The general education and other degree requirements will be completed at Arapahoe Community College. The A.A.S. degree will be conferred by Arapahoe Community College after the general education and other degree requirements have been completed.

Admission Requirements

- Graduation from a certificate program at an Area Technical College.
- Students may enroll concurrently at an Area Technical College and Arapahoe Community College.
- Students must comply with the regulations and requirements relating to admission and attendance at each institution.

Program Requirements

General Education Courses (15 credit hours)

Arts & Humanities

- COM 1150 - Public Speaking 3 Credits

English

- ENG 1021 - English Composition I: GT-CO1 3 Credits

Mathematics

- MAT 1140 - Career Math 3 Credits **OR** higher

Science

Select any GT Pathways Natural and Physical Science course (GT-SC1 or GTSC2)

Social and Behavioral Science

- Select any GT Pathways Social and Behavioral Sciences course (GT-SS1, GT-SS2, or GT-SS3)

Major Requirements (45 credit hours)

Technical credits from AVS certificate program

Elective Courses (variable credits)

If fewer than 45 credits were completed as part of the AVS certificate program, select the remaining additional credits from any credit-bearing course numbered at 100 or above that is offered by the college.

Total: 60 credit hours

**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*.

Graduation Requirements

- Grade of "C" or better in transfer coursework from AVS certificate program.
- 60 semester credits of coursework.
- Cumulative GPA of 2.0 or higher.
- Minimum of 15 credits completed at Arapahoe Community College.
- Minimum of 15 General Education credits
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Architectural Technologies, AAS

CIP 150101 (ARC3)

The Associates of Applied Science of Architectural Technologies at Arapahoe Community College offers two concentrations:

- Architecture Engineer Technician Track AAS - For students interested in licensure and continuing their education
- Architectural Technologies AAS - For students wishing to enter the profession upon graduation from this program Students will be introduced to a wide range of architectural and construction topics such as design and modeling concepts, structural analysis, building service systems, and sustainability.

The Architectural Technologies AAS degree provides a foundation for transfer to university or, in combination with our internship and certificate programs, will help

facilitate entry into or continuing education for the profession.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (18 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits
- MAT 1420 - College Trigonometry: GT-MA1 3 Credits
- COM 1150 - Public Speaking 3 Credits
- PHY 1111 - Physics: Algebra-Based I: With Lab: GT-SC1 5 Credits

Major Courses (31 credit hours)

- AEC 1100 - Introduction to Design Theory 3 Credits
- AEC 1200 - Print Reading Residential/Commercial 3 Credits
- AEC 1250 - Architectural Design and Modeling 4 Credits
- AEC 1510 - Building Materials 3 Credits
- AEC 2411 - Applied Structural Analysis 3 Credits
- AEC 2520 - Building Environmental Systems I 3 Credits
- AEC 2700 - International Building Codes 3 Credits
- CAD 1101 - Computer Aided Drafting/2D I 3 Credits
- CAD 1102 - Computer Aided Drafting/2D II 3 Credits
- CAD 2220 - Revit® Architecture 3 Credits

Concentration (12 credit hours)

The Architectural Technologies concentration is for students interested in entering the professional work force but is not intended for licensure. Students can find employment as an intern (based on experience, prior education, and personal networking) or start their own consulting business as a drafter, designer, or modeler.

Students must choose 12 credit hours minimum from the following:

- CAD courses
- AEC courses

Total: 61 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Architecture Engineer Technician Track, AAS

CIP 150101 (ARC2)

The Associates of Applied Science of Architectural Technologies at Arapahoe Community College offers two concentrations:

- Architecture Engineer Technician Track AAS - For students interested in licensure and continuing their education

- Architectural Technologies, AAS - For students wishing to enter the profession upon graduation from this program Students will be introduced to a wide range of architectural and construction topics such as design and modeling concepts, structural analysis, building service systems, and sustainability.

The Architecture Engineer Technician Track degree provides a foundation for transfer to university or, in combination with our internship and certificate programs, will help facilitate entry into or continuing education for the profession.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (39 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits
- ENG 1022 - English Composition II: GT-CO2 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits
- MAT 1420 - College Trigonometry: GT-MA1 3 Credits
- PHY 1111 - Physics: Algebra-Based I: With Lab: GT-SC1 5 Credits
- ART 1201 - Drawing I 3 Credits **AND**
- ART 1110, ART 1111, OR ART 1112 3 Credits
- ENV 1010 - Natural Disasters: GT-SC2 3 Credits
- GEO 1005 OR GEO 1006 3 Credits
- HUM 1021, HUM 1022, OR HUM 1023 3 Credits
- SOC 1001, SOC 1002, OR SOC 2007 3 Credits
- HIS 1310 OR HIS 1320 3 Credits

Major Courses (22 credit hours)

- AEC 1100 - Introduction to Design Theory 3 Credits
- AEC 1250 - Architectural Design and Modeling 4 Credits
- AEC 1510 - Building Materials 3 Credits
- AEC 2411 - Applied Structural Analysis 3 Credits
- AEC 2520 - Building Environmental Systems I 3 Credits
- AEC 2700 - International Building Codes 3 Credits
- CAD 2220 - Revit® Architecture 3 Credits

Total: 61 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Automotive Service Technology, AAS

CIP 470604 (ATC)

The Associate of Applied Science Degree in Automotive Service Technology and related certificate programs are NATEF certified and taught by ASE certified Instructors.

The two-year Automotive A.A.S. and certificate programs train students for employment in the automotive service industry as professional technicians and prepare students for the ASE (Automotive Service Excellence) certification examinations. This program includes ASE certification or manufacturer-specific training. Each class in the program requires 5-45 additional hours of hands-on and/or web based training (under supervision of the instructor) in addition to scheduled class hours.

The automotive training program at ACC is organized into the following "Tracks:"

- ATEC - The general apprenticeship program for professional automotive technicians
- ASEP - General Motors-specific program called GM Automotive Service Educational Program
- CAP - Chrysler-specific program called the Chrysler College Apprenticeship Program
- NTTA - Nissan-specific program called the Nissan Technical Training Academy
- PACT - Honda-specific program called Professional Automotive Career Training
- Subaru University - Subaru specific program infuses Web-Based Training into the curriculum

The ATEC program allows students to obtain an apprenticeship position with any dealership or independent automotive repair facility. Incoming freshmen can begin in the summer, fall or spring semester. This track also requires students to maintain an apprenticeship position in automotive repair for the duration of the program, and is a degree-seeking program only.

The corporate sponsored apprenticeship programs (ASEP, CAP, Nissan, and Subaru University) require the student to obtain and maintain an apprenticeship position at a manufacturer dealership for the duration of the program. Program faculty will assist the student in finding suitable placement. Additionally, students will take web-based manufacturer technician training courses; their sponsoring dealership will receive training credit for that student upon his or her graduation with the A.A.S. degree. The corporate programs are degree-seeking programs only. All tracks are filled on a first-come, first-served basis, dependent upon satisfactory MVR, criminal background checks, and drug screening.

Students wishing to pursue the two-year degree or the certificate programs must be signed into courses by the program director at the beginning of each semester to ensure that they are on track academically to graduate in the prescribed two-year period. Classes for the corporate tracks will be filled with dealer sponsored students first. General program students may be allowed to fill any remaining seats. All students, regardless of their chosen track, should be aware of automotive repair industry expectations, specifically that technicians must drive customer's vehicles as part of the repair process; thus, the technician and the student must have a clean motor vehicle record and valid driver's license. The hiring process at reputable repair shops and dealerships will include a drug screen and a thorough background investigation.

Admission Requirements

- Admission to Arapahoe Community College
- To be eligible for acceptance into the Automotive Service Technology program, students must:

- pass an industry standard MVR, criminal, background, and urinalysis
- Please access the Certified Background Web site at: http://cccs.castlebranch.com

Program Requirements

General Education Courses (16 credit hours)

- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- BUS 1015 - Introduction to Business 3 Credits
- MAT 1150 - Technical Mathematics 4 Credits **OR** higher
- CIS 1018 - Introduction to PC Applications 3 Credits

Major Courses (63 credit hours)

- ASE 1001 - Auto Shop Orientation 2 Credits
- ASE 1003 - Auto Maintenance I 2 Credits
- ASE 1010 - Automotive Brake Service I 2 Credits
- ASE 1011 - Automotive Brake Service II 2 Credits
- ASE 1020 - Basic Automotive Electricity 2 Credits
- ASE 1023 - Starting and Charging Systems 2 Credits
- ASE 1030 - General Engine Diagnosis 2 Credits
- ASE 1034 - Automotive Fuel and Emissions Systems I 2 Credits
- ASE 1040 - Suspension and Steering I 2 Credits
- ASE 1041 - Suspension and Steering II 2 Credits
- ASE 1050 - Manual Drive Train and Axle Maintenance 2 Credits
- ASE 1051 - Automotive Manual Transmission/Transaxles & Clutches I 2 Credits
- ASE 1052 - Manual Transmission, Transaxles and Clutches II 2 Credits
- ASE 1053 - Automotive Drive Axle Overhaul 2 Credits
- ASE 1054 - Manual Transmission/Transaxle Diagnosis and Repair 1 Credit
- ASE 1060 - Automotive Engine Repair 2 Credits
- ASE 1091 - Automotive Engine Repair and Rebuild 4 Credits
- ASE 2020 - Specialized Electronics Training 2 Credits
- ASE 2010 - Automotive Power and ABS Brake Systems 2 Credits
- ASE 2191 - Automotive And Diesel Body Electrical 3 Credits
- ASE 2192 - Automotive Computers and Ignition Systems 3 Credits
- ASE 2193 - Automotive Fuel Injection and Emissions Systems II 3 Credits
- ASE 2035 - Driveability & Diagnosis 2 Credits
- ASE 2194 - Suspension and Steering III 3 Credits
- ASE 2050 - Automatic Transmission/Transaxle Service 1 Credit
- ASE 2051 - Automotive Transmission & Transaxle Repair 3 Credits
- ASE 2052 - Advanced Automatic Transmissions/Transaxles 2 Credits
- ASE 2064 - Introduction to Automotive Heating and Air Conditioning 1 Credit

- ASE 2095 - Heating and Air Conditioning Systems 3 Credits

Total: 79 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Broadband Technology and Communication - Broadband Leadership, AAS

CIP 110901 (4E21)

The Associate of Applied Science degree was designed by ACC and NCTI to provide a degree path for professionalism in the broadband industry and is available ONLY to NCTI participants.

The "Concentration" portion of this degree allows students the unique opportunity to tailor this program to their unique professional responsibilities and goals.

Admissions Requirements

- Admission to Arapahoe Community College
- This degree program is accessible ONLY to NCTI participants (current students with NCTI)

Program Requirements

General Education Courses (19 credit hours)

- BUS 1015 - Introduction to Business 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAN 1016 - Principles of Supervision 3 Credits
- MAT 1150 - Technical Mathematics 4 Credits **OR** higher

Major Courses (33 credit hours)

- MAR 1060 - Customer Service 3 Credits
- PSY 1016 - Stress Management 3 Credits
- BUS 2041 - Cultural Diversity in Business 3 Credits
- BUS 1017 - Business Writing 1 Credit
- MAN 1017 - Time Management 1 Credit
- CTC 1007 - Installer 3 Credits
- CTC 1008 - Cable Network Overview 1 Credit
- MAN 2012 - Negotiation and Conflict Resolution 3 Credits
- CTC 1029 - Digital Technician 3 Credits
- COM 2300 - Intercultural Communication: GT-SS3 3 Credits
- MAN 2024 - Leadership 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- COM 2250 - Organizational Communication 3 Credits **OR**
- COM 2220 - Group Communication:GT-SS3 3 Credits

Restricted Elective Courses (8 credits)

Choose 8 credits from the following:

- BUS 2017 - Business Communication and Report Writing 3 Credits
- CTC 1017 - Computers and Broadband Modems 3 Credits
- CTC 1018 - Broadband Digital Installer 3 Credits
- MAR 1011 - Principles of Sales 3 Credits
- MAN 2041 - Project Management in Organizations 3 Credits

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Broadband Technology and Communication - Broadband Technology, AAS

CIP 110901 (4E31)

The Associate of Applied Science degree was designed by ACC and NCTI to provide a degree path for professionalism in the broadband industry and is available ONLY to NCTI participants.

The "Concentration" portion of this degree allows students the unique opportunity to tailor this program to their unique professional responsibilities and goals.

Admissions Requirements

- Admission to Arapahoe Community College
- This degree program is accessible ONLY to NCTI participants (current students with NCTI)

Program Requirements

General Education Courses (19 credit hours)

- BUS 1015 - Introduction to Business 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAN 1016 - Principles of Supervision 3 Credits
- MAT 1150 - Technical Mathematics 4 Credits **OR** higher

Major Courses (10 credit hours)

- BUS 2041 - Cultural Diversity in Business 3 Credits
- MAN 1017 - Time Management 1 Credit
- MAR 1060 - Customer Service 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits **OR**
- PSY 1016 - Stress Management 3 Credits

Restricted Elective Courses (5-9 credits depending on Concentration)

- BUS 2017 - Business Communication and Report Writing 3 Credits
- COM 2300 - Intercultural Communication: GT-SS3 3 Credits

- CTC 1017 - Computers and Broadband Modems 3 Credits
- CTC 1018 - Broadband Digital Installer 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- MAN 2041 - Project Management in Organizations 3 Credits
- MAR 1011 - Principles of Sales 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits

Concentration - TE3 (26 credit hours)

- CTC 1007 - Installer 3 Credits
- CTC 1009 - Installer Technician 4 Credits
- CTC 1011 - Service Technician 4 Credits
- CTC 1013 - System Technician 4 Credits
- CTC 1027 - Testing and Maintenance for Fiber Technicians 2 Credits
- CTC 1028 - Fiber Installation and Activation 2 Credits
- CTC 1029 - Digital Technician 3 Credits
- CTC 1065 - Advanced Technician 4 Credits

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Broadband Technology and Communication - Customer Care, AAS

CIP 110901 (44ET)

The Associate of Applied Science degree was designed by ACC and NCTI to provide a degree path for professionalism in the broadband industry and is available ONLY to NCTI participants.

The "Concentration" portion of this degree allows students the unique opportunity to tailor this program to their unique professional responsibilities and goals

Admissions Requirements

- Admission to Arapahoe Community College
- This degree program is accessible ONLY to NCTI participants (current students with NCTI)

Program Requirements

General Education Courses (19 credit hours)

- BUS 1015 - Introduction to Business 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAN 1016 - Principles of Supervision 3 Credits

- MAT 1150 - Technical Mathematics 4 Credits **OR** higher

Major Courses (10 credit hours)

- BUS 2041 - Cultural Diversity in Business 3 Credits
- MAN 1017 - Time Management 1 Credit
- MAR 1060 - Customer Service 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits **OR**
- PSY 1016 - Stress Management 3 Credits

Restricted Elective Courses (5-9 credits depending on Concentration)

- BUS 2017 - Business Communication and Report Writing 3 Credits
- COM 2300 - Intercultural Communication: GT-SS3 3 Credits
- CTC 1017 - Computers and Broadband Modems 3 Credits
- CTC 1018 - Broadband Digital Installer 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- MAN 2041 - Project Management in Organizations 3 Credits
- MAR 1011 - Principles of Sales 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits

Concentration - TE 4 (22 credit hours)

- BUS 1017 - Business Writing 1 Credit
- CTC 1008 - Cable Network Overview 1 Credit
- CTC 1021 - Delivering Cable Services 3 Credits
- CTC 1023 - Basic Troubleshooting of Broadband Technology 3 Credits
- CTC 1025 - High-Speed Data Customer Service 2 Credits
- CTC 1026 - Advanced High-Speed Data Customer Service 3 Credits
- MAN 2012 - Negotiation and Conflict Resolution 3 Credits
- MAR 1011 - Principles of Sales 3 Credits
- COM 2220 - Group Communication:GT-SS3 3 Credits **OR**
- COM 2250 - Organizational Communication 3 Credits

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Business Administration - Entrepreneurship, AAS

CIP 520701 (4BAE)

The Associate of Applied Science degree in Business Administration is designed to provide students with the skills needed in diverse public and private organizations. The program provides the business, management and marketing skills necessary for success in entry-level positions requiring foundations of greater responsibility, authority and leadership. Students who complete the program will be viewed by potential employers as having a broad-based education necessary for today's team-oriented and globally-competitive environment.

The Business Administration program prepares students for careers in business, as well as providing students with instructional resources for the purpose of ongoing enhancement of skills. This program may transfer to other Colleges or universities and apply toward a bachelor's degree. Contact the ACC Advising Office or a Faculty Advisor in Business Administration for details.

(This program is in teach-out and not currently accepting applications)

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15 credit hours)

- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits **OR** higher
- COM 1150 - Public Speaking 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits

Major Courses (36 credit hours)

- ACC 1021 - Accounting Principles I 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2089 - Business Capstone 2 Credits
- FIN 1010 - Introduction to Finance 3 Credits
- MAN 1028 - Human Relations in Organizations 3 Credits
- MAN 2024 - Leadership 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- MAR 1006 - Marketing Your Image 3 Credits
- MAR 1060 - Customer Service 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits

Concentration (9 credit hours)

The Entrepreneurship Concentration is designed to prepare those interested in a career in owning or managing a business, as well as to enhance the skills of those already involved in entrepreneurship. The courses are designed to stimulate the entrepreneurial spirit by giving the student the knowledge and ability needed to profitably respond to the environment of the small businessperson.

Students must choose 9 credit hours from BUS 288 or any course with an ENP prefix, or other with Department Chair Approval

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a

federal requirement to ensure that ACC receives certain federal funding.

Business Administration - Finance, AAS

CIP 520801 (4BAF)

The Associate of Applied Science degree in Business Administration is designed to provide students with the skills needed in diverse public and private organizations. The program provides the business, management and marketing skills necessary for success in entry-level positions requiring foundations of greater responsibility, authority and leadership.

Students who complete the program will be viewed by potential employers as having a broad-based education necessary for today's team-oriented and globally-competitive environment.

The Business Administration program prepares students for careers in business, as well as providing students with instructional resources for the purpose of ongoing enhancement of skills. This program may transfer to other Colleges or universities and apply toward a bachelor's degree. Contact the ACC Advising Office or a Faculty Advisor in Business Administration for details..

(This program is in teach-out and not currently accepting applications)

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15 credit hours)

- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits **OR** higher
- COM 1150 - Public Speaking 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits

Major Courses (36 credit hours)

- ACC 1021 - Accounting Principles I 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2089 - Business Capstone 2 Credits
- FIN 1010 - Introduction to Finance 3 Credits
- MAN 1028 - Human Relations in Organizations 3 Credits
- MAN 2024 - Leadership 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- MAR 1006 - Marketing Your Image 3 Credits
- MAR 1060 - Customer Service 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits

Concentration (9 credit hours)

The Finance Concentration prepares students for entry-level positions in a broad range of business occupations. It continues

the students' exposure to major areas in the business world, as well as giving the student flexibility in designing a program to fit his or her specific needs.

Student must choose 9 credit hours from the following: MAN 2025 - Managerial Finance, BUS 1016 - Personal Finance, ENP 2007 - Entrepreneurship Financial Topics, INV 1150 - Investments/Stocks and Bonds, BUS 2088 - Practicum, or other with Department Chair approval

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Business Administration - General Business, AAS

CIP 520201 (BSBS)

The Associate of Applied Science degree in Business Administration is designed to provide students with the skills needed in diverse public and private organizations. The program provides the business, management and marketing skills necessary for success in entry-level positions requiring foundations of greater responsibility, authority and leadership.

Students who complete the program will be viewed by potential employers as having a broad-based education necessary for today's team-oriented and globally-competitive environment.

The Business Administration program prepares students for careers in business, as well as providing students with instructional resources for the purpose of ongoing enhancement of skills. This program may transfer to other Colleges or universities and apply toward a bachelor's degree. Contact the ACC Advising Office or a Faculty Advisor in Business Administration for details.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15 credit hours)

- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits **OR** higher
- COM 1150 - Public Speaking 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits

Major Courses (36 credit hours)

- ACC 1021 - Accounting Principles I 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits

- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2089 - Business Capstone 2 Credits
- FIN 1010 - Introduction to Finance 3 Credits
- MAN 1028 - Human Relations in Organizations 3 Credits
- MAN 2024 - Leadership 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- MAR 1006 - Marketing Your Image 3 Credits
- MAR 1060 - Customer Service 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits

Concentration (9 credit hours)

The General Business Concentration prepares students for entry-level positions in a broad range of business occupations. It continues the students' exposure to major areas in the business world, as well as giving the student flexibility in designing a program to fit his or her specific needs.

Students must choose 9 hours from any courses with the prefix: ACC, BTE, BUS, CIS, ENP, FIN, MAN, MAR, or other with Department Chair approval.

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Business Administration - Management, AAS

CIP 520201 (MAN)

The Associate of Applied Science degree in Business Administration is designed to provide students with the skills needed in diverse public and private organizations. The program provides the business, management and marketing skills necessary for success in entry-level positions requiring foundations of greater responsibility, authority and leadership.

Students who complete the program will be viewed by potential employers as having a broad-based education necessary for today's team-oriented and globally-competitive environment.

The Business Administration program prepares students for careers in business, as well as providing students with instructional resources for the purpose of ongoing enhancement of skills. This program may transfer to other Colleges or universities and apply toward a bachelor's degree. Contact the ACC Advising Office or a Faculty Advisor in Business Administration for details.

(This program is in teach-out and not currently accepting applications)

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15 credit hours)

- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits **OR** higher
- COM 1150 - Public Speaking 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits

Major Courses (36 credit hours)

- ACC 1021 - Accounting Principles I 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2089 - Business Capstone 2 Credits
- FIN 1010 - Introduction to Finance 3 Credits
- MAN 1028 - Human Relations in Organizations 3 Credits
- MAN 2024 - Leadership 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- MAR 1006 - Marketing Your Image 3 Credits
- MAR 1060 - Customer Service 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits

Concentration (9 credit hours)

The Management Concentration prepares students for entry-level positions in business, government and nonprofit organizations. For those who are already managers, the Concentration is designed to improve and broaden their skills by keeping abreast of the most current technological and theoretical aspects of Management.

Students must choose 9 hours from courses with a MAN prefix or BUS288 may be taken in place of any 3-credit MAN prefix concentration elective, or with Department Chair approval.

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Business Administration - Marketing, AAS

CIP 520201 (MANM)

The Associate of Applied Science degree in Business Administration is designed to provide students with the skills needed in diverse public and private organizations. The program provides the business, management and marketing skills necessary for success in entry-level positions requiring foundations of greater responsibility, authority and leadership. Students who complete the program will be viewed by potential employers as having a broad-based education necessary for today's team-oriented and globally-competitive environment.

The Business Administration program prepares students for careers in business,

as well as providing students with instructional resources for the purpose of ongoing enhancement of skills. This program may transfer to other Colleges or universities and apply toward a bachelor's degree. Contact the ACC Advising Office or a Faculty Advisor in Business Administration for details.

(This program is in teach-out and not currently accepting applications)

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15 credit hours)

- BUS 2026 - Business Statistics 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits **OR** higher
- COM 1150 - Public Speaking 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits **OR**
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits

Major Courses (36 credit hours)

- ACC 1021 - Accounting Principles I 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- BUS 2089 - Business Capstone 2 Credits
- FIN 1010 - Introduction to Finance 3 Credits
- MAN 1028 - Human Relations in Organizations 3 Credits
- MAN 2024 - Leadership 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- MAR 1006 - Marketing Your Image 3 Credits
- MAR 1060 - Customer Service 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits

Marketing Concentration (9 credit hours)

The Marketing Concentration prepares students for entry-level positions which deal with directing the activities of the organization toward the satisfaction of consumer wants and needs. This involves an understanding of consumer behavior; promotional, sales and pricing strategies; product management; and physical distribution, all of which prepare the student for a wide variety of opportunities.

Student must choose 9 credit hours from BUS 288 or any course with a MAR prefix, or other with Department Chair approval.

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Commercial Photography, AAS

CIP 500406 (CPHO)

The Commercial Photography AAS Degree is designed for people who want a varied and fulfilling career that is both creative and exciting. We offer a solid foundation for students to start a career in a range of photography and imaging-related fields. The curriculum provides extensive training in digital and traditional photography, professional camera equipment, contemporary studio and location lighting techniques, portraiture, events and multimedia photographic production. Students learn image capture and manipulation, digital asset management and workflow, and digital printing, publishing and video. Students will also learn about business and marketing aspects of commercial photography necessary to be successful. This program is balanced between the technical and the aesthetic skills necessary to make compelling images. There is balance between traditional and digital image making and balance between the art and business of commercial photography. Electives and portfolio development courses allow students to focus their exploration on the specific kinds of photography they enjoy. An emphasis is placed on strong conceptual thinking and storytelling.

This is a skills-focused, highly intensive program for students serious about working in the photography industry. Taught by expert faculty who have first-hand experience working with top clients and agencies, students will emerge from the AAS Degree program prepared to compete in a range of photographic fields. Students will work with high- end industry standard equipment available for checkout. Don't take on tens of thousands of dollars in for-profit college student loan debt, when you can gain the excellent training and education you need for a fraction of the cost, right here at Arapahoe Community College!

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- BUS 1015 - Introduction to Business 3 Credits
- COM 1150 - Public Speaking 3 Credits *OR*
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits **OR**
- SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits **OR**
- ANT 1001 - Cultural Anthropology: GT-SS3 3 Credits
- ART 1111 - Art History I Ancient to Medieval: GT-AH1 3 Credits **OR**
- ART 1112 - Art History II Renaissance to Modern: GT-AH1 3 Credits **OR**
- ART 1113 - Art History-1900 to Present: GT-AH1 3 Credits

Major Courses (39 credit hours)

- FVM 1005 - Video Production I 3 Credits
- PHO 1021 - Image Capture I 3 Credits
- PHO 1022 - Image Capture II 3 Credits
- PHO 1043 - Perception & Photography I 3 Credits

- PHO 1061 - Digital Capture Processing I 3 Credits
- PHO 1062 - Digital Capture Processing II 3 Credits
- PHO 2004 - Commercial Studio Lighting 3 Credits
- PHO 2032 - Professional Portraiture 3 Credits
- PHO 2037 - Advanced Lighting Technique 3 Credits
- FVM 1060 - Video Post Production I 3 Credits
- PHO 2063 - Digital Capture Processing III 3 Credits
- PHO 2188 - Portfolio and Career Exploration 3 Credits
- PHO 2187 - Business of Photography 3 Credits

Restricted Electives (6 credit hours)

Choose (2) courses from the following:

- PHO 1044 - Perception & Photography II 3 Credits
- PHO 2052 - Glamour & Fashion Photography 3 Credits
- PHO 2035 - Architectural Photography 3 Credits
- PHO 2059 - Extreme Adventure Photography 3 Credits
- PHO 2060 - Events and Wedding Photography 3 Credits
- PHO 2075 - Special Topics 3 Credits
- PHO 2080 - Internship 3 Credits

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Information Systems - Business, AAS

CIP 110101 (BIZ2)

The Computer Information System (CIS) degree is a two-year Associate of Applied Science degree that prepares students with a solid set of skills and knowledge in the Computer Information System field. The degree allows students to further their knowledge by pursuing an area of emphasis towards industry certification, computer programming or transferring to a 4-year university. *

Major courses are carefully selected in areas of Information Systems, Computer Networking, and Computer Programming to provide students with an exceptional foundation in the field.

Job opportunities exist in entry-level positions as a computer support professional or technician, systems analyst or computer programmer.

*The Business concentration allows students to transfer to Metropolitan State University - Denver (MSU-Denver) toward a Bachelor of Science in Computer Information Systems. Please see an advisor for more information.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (22 credit hours)

- COM 1150 - Public Speaking 3 Credits

OR

- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits
- ENG 1022 - English Composition II: GT-CO2 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits **OR** higher
- HIS 2115 - American Indian History GT-HI1 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits

Major Courses (25 credit hours)

- BUS 1015 - Introduction to Business 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- CIS 2020 - Fundamentals of UNIX 3 Credits (Linux)
- CIS 2040 - Database Design and Development 3 Credits
- CIS 2043 - Introduction to SQL 3 Credits
- CIS 2067 - Management of Information Systems 3 Credits
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
- MAT 1400 - Survey of Calculus: GT-MA1 4 Credits

Business Concentration (13 credit hours)

- ACC 1021 - Accounting Principles I 4 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits

Note(s):

Note: Students completing this Concentration and all prescribed coursework are eligible to transfer to the Bachelor of Science in Computer Information Systems at MSU-Denver.

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Information Systems - Computer Support, AAS

CIP 111006 (4CSP)

The Computer Information System (CIS) degree is a two-year Associate of Applied Science degree that prepares students with a solid set of skills and knowledge in the Computer Information System field. The degree allows students to further their

knowledge by pursuing an area of emphasis towards industry certification, computer programming or transferring to a 4-year university. *

Major courses are carefully selected in areas of Information Systems, Computer Networking, and Computer Programming to provide students with an exceptional foundation in the field.

Job opportunities exist in entry-level positions as a computer support professional or technician, systems analyst or computer programmer.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (22 credit hours)

- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits **OR** higher *

Note(s):

*Students transferring to MSU-Denver must take MAT 1340

Select 12 credit hours from the following General Education courses:

- BUS 1015 - Introduction to Business 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits *
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits *
- ENG 1022 - English Composition II: GT-CO2 3 Credits *
- HIS 1210 - US History to Reconstruction: GT-HI1 3 Credits
- PHI 1011 - Introduction to Philosophy: GT-AH3 3 Credits
- PSC 2020 - Introduction to Political Science: GT-SS1 3 Credits
- PSC 1011 - American Government: GT-SS1 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits
- SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits

Major Courses (25 credit hours)

- CIS 1018 - Introduction to PC Applications 3 Credits *
- CIS 2020 - Fundamentals of UNIX 3 Credits *
- CIS 2040 - Database Design and Development 3 Credits
- CIS 2043 - Introduction to SQL 3 Credits *
- CIS 2067 - Management of Information Systems 3 Credits *
- CNG 1021 - Computer Technician I: A+ 4 Credits *
- CNG 1024 - Networking I: Network+ 3 Credits *
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits *

Note(s):

**Required for students transferring to MSU-Denver*

Computer Support Concentration (14 credit hours)

- CNG 1022 - Computer Technician II: A+ 4 Credits
- CNG 1020 - A+ Certification Preparation 4 Credits
- CNG 1032 - Network Security Fundamentals 3 Credits

Choose one elective from the following:

- CIS 2032 - Unix Shell Programming 3 Credits
- CIS 2087 - Cooperative Education 3 Credits
- or another CNG course with Department Approval

Total: 61 credit hours

Graduation Requirements

- A minimum of 19 credit hours in the Major must be from CIS, CNG or CSC prefixes.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Network Technology - General Networking AAS

CIP 110901 (4GNC)

The Computer Network Technology program prepares individuals for jobs in the computer networking field. Students in this program gain hands-on experience with computer hardware, software and networks. Upon successful completion of the program, the student will have the needed background to prepare to take one or more of the following exams: Network+; Security+; MCTS (Microsoft Certified Technology Specialist); Security +; or CISCO CCNA.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (16 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits *OR*
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- COM 1150 - Public Speaking 3 Credits *OR*
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits

Major Courses (26 credit hours)

- CIS 2002 - Automated Project Management 3 Credits
- CNG 1021 - Computer Technician I: A+ 4 Credits
- CNG 1024 - Networking I: Network+ 3 Credits

- CNG 1025 - Networking II: Network+ 3 Credits
- CNG 1032 - Network Security Fundamentals 3 Credits
- CNG 2012 - Configuring Windows Server 4 Credits
- CNG 2024 - Microsoft Windows Wireless Network 3 Credits
- CIS 2087 - Cooperative Education 3 Credits

Elective Courses (18 credit hours)

Choose any combination of elective courses from CNG, CSC, and/or CWB

Total: 60 Credit Hours

NOTE: *Students interested in taking one of the certification exams need to meet with a Computer Network Technology Advisor to choose the correct sequence of classes. Please call 303.797.5252 for more information.*

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.

- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Network Technology - Network Security, AAS

CIP 110901 (4A2C)

The Computer Network Technology program prepares individuals for jobs in the computer networking field. Students in this program gain hands-on experience with computer hardware, software and networks. Upon successful completion of the program, the student will have the needed background to prepare to take one or more of the following exams: Network+; Security+; Server+; CYSA+; Cloud+.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (16 credit hours)

- BUS 2017 - Business Communication and Report Writing 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits **OR** higher

Major Courses (26 credit hours)

- CIS 2002 - Automated Project Management 3 Credits
- CIS 2087 - Cooperative Education 3 Credits
- CNG 1021 - Computer Technician I: A+ 4 Credits
- CNG 1024 - Networking I: Network+ 3 Credits
- CNG 1025 - Networking II: Network+ 3 Credits
- CNG 1032 - Network Security Fundamentals 3 Credits
- CNG 2012 - Configuring Windows Server 4 Credits
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits

Network Security Concentration (18 credit hours)

- CIS 2020 - Fundamentals of UNIX 3 Credits
- CNG 1042 - Introduction to Cloud Computing 3 Credits
- CNG 2043 - Cloud Security and Cyber Law 3 Credits
- CNG 2057 - Network Defense and Counter Measures 3 Credits
- Choose any 2 electives from CIS, CNG, CSC, or CWB

Total: 60 credit hours

NOTE: *Students interested in taking one of the certification exams need to meet with a Computer Network Technology Advisor to choose the correct sequence of classes. Please call 303.797.5252 for more information.*

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Construction Management, AAS

CIP 460000 (ACS2)

Students completing the AAS in Construction Management degree have prepared themselves for supervisory/administrative roles within the construction/energy industry. The curriculum incorporates coursework in energy technologies, architectural principles, business, and construction technology.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (16 credit hours)

- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAN 2026 - Principles of Management 3 Credits

- MAT 1150 - Technical Mathematics 4 Credits **OR** higher

Restricted Electives:

Choose three credit hours from the following GT courses: ANT, ART, GEO, HUM, LIT, MUS, PHI, POS, or

- SPA 1001 - Conversational Spanish I 3 Credits
- SPA 1015 - Spanish for the Professional I 3 Credits

Major Courses (47 credit hours)

- ACC 1001 - Fundamentals of Accounting 3 Credits
- AEC 1200 - Print Reading Residential/Commercial 3 Credits
- AEC 1250 - Architectural Design and Modeling 4 Credits
- AEC 1510 - Building Materials 3 Credits
- AEC 2411 - Applied Structural Analysis 3 Credits
- AEC 2520 - Building Environmental Systems I 3 Credits
- AEC 2610 - Construction Estimating 3 Credits
- AEC 2620 - Surveying 3 Credits
- AEC 2630 - Construction Scheduling 3 Credits
- AEC 2640 - Contracts and The Legal Environment 3 Credits
- AEC 2700 - International Building Codes 3 Credits
- AEC 2080 - Internship 1 Credit
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- MAN 1016 - Principles of Supervision 3 Credits
- MAN 2016 - Small Business Management 3 Credits

Total: 63 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation)
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. Thisinformation gathering is a federal requirement to ensure that ACC receives certain federal funding.

Cosmetology and Salon Management AAS

CIP 120401 (CSMA)

The Cosmetology and Salon Management AAS Degree offers a solid foundation for students to start a career in a salon or to prepare them for one day opening their own salon. Students with a completed certificate in cosmetology from Arapahoe Community College, or who have a Colorado State Cosmetology License, can complete an additional 31 credits and earn their Associates of Applied Science (AAS) degree.

Admission Requirements

- Admission to Arapahoe Community College
- Possession of a valid Colorado State Cosmetology License (or completion of the Cosmetology certificate at Arapahoe Community College)

Program Requirements

General Education Courses (16 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits **OR**
- BUS 1015 - Introduction to Business 3 Credits
- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits **OR**
- COM 2250 - Organizational Communication 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits **OR**
- SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits **OR**
- ANT 1001 - Cultural Anthropology: GT-SS3 3 Credits
- MAT 1150 - Technical Mathematics 4 Credits

Major Courses (45 Credit Hours)

- ENP 1005 - Introduction to Entrepreneurship 3 Credits
- ACC 1001 - Fundamentals of Accounting 3 Credits **OR**
- ACC 1021 - Accounting Principles I 4 Credits **OR**
- ENP 2007 - Entrepreneurship Financial Topics 3 Credits
- MAN 2000 - Human Resource Management I 3 Credits **OR**
- MAN 2026 - Principles of Management 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits **OR**
- ENP 2006 - Entrepreneurship Legal Issues 3 Credits

Any credit-bearing COS, EST, or NAT course numbered 1000 or above that is offered by the College (30 Credits)

Total: 61 Credits

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Criminal Justice, AAS

CIP 430100 (42JR)

The Criminal Justice A.A.S. Degree is designed for students seeking a career in Criminal Justice. Whether you want to become an emergency dispatcher, a victim/witness assistant, lawyer, probation/parole officer or a law enforcement officer, this program is a great place to start. The curriculum is strong, diverse and provides an excellent opportunity to see the criminal justice system as it actually functions, not how televisions portrays it.

Students transferring to a four-year College or university should select their elective courses only after consulting with the program Advisor to facilitate the transferability of coursework. For more

information, please contact the Criminal Justice Department at 303.797.5980.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15 credit hours)

- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits **OR**
- COM 2250 - Organizational Communication 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits
- ENG 1022 - English Composition II: GT-CO2 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits **OR**
- PSY 1002 - General Psychology II: GT-SS3 3 Credits

Elective

Choose three credits of electives from:

- CIS 1018 - Introduction to PC Applications 3 Credits
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits
- SOC 1002 - Introduction to Sociology II: GT-SS3 3 Credits
- SPA 1011 - Spanish Language I: GT-AH4 5 Credits
- SPA 1012 - Spanish Language II: GT-AH4 5 Credits
- or any other Foreign Language (FOL) course numbered 111, 112, 211, or 212

Major Courses (27 credit hours)

- CRJ 1010 - Intro to Criminal Justice GT: SS3 3 Credits
- CRJ 1025 - Policing Systems 3 Credits
- CRJ 1035 - Judicial Function 3 Credits
- CRJ 1045 - Correctional Process 3 Credits
- CRJ 2005 - Principles of Criminal Law 3 Credits
- CRJ 2009 - Criminal Investigation I 3 Credits
- CRJ 2057 - Victimology 3 Credits
- CRJ 2030 - Criminology 3 Credits
- CRJ 2036 - CRJ Research Methods 3 Credits

Restricted Courses (18 credit hours)

All students must select electives from courses with the prefixes of: ACC, CIS, CRJ, CSC, EMS, LEA, PAR, PSY, SOC, SPA or any other General Education Guaranteed Transfer course.

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online atwww.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Cybersecurity, AAS

CIP 111003 (5ACY)

In response to the national and local unmet demand for Cybersecurity Specialists and the increasingly complex and challenging cyber-attacks facing our nation, this cybersecurity program will produce qualified professionals with expertise in information assurance, cybersecurity, and network forensics disciplines. Upon successful completion of the program and depending on organizational employability requirements, students from this program will be prepared for a number of jobs that require the following industry certifications: CompTia A+; Network+; Linux+; Security+, CYSA+, Server+; Cloud+.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15 credit hours)

Written Communication (6 credit hours)

Any GT-CO1 **and** GT-CO2 **OR** any GT-CO2 **and** GT-CO3

Mathematics (3 credit hours)

MAT 1340 - College Algebra: GT-MA1 4 credits OR higher

General Education Elective (6 credit hours)

Select one course from the following:

COM 1150 - Public Speaking OR COM 1250 - Interpersonal Communication:GT-SS3

AND

Select one course from any of the following Guaranteed Transfer (GT) categories:

Arts & Humanities: GT-AH1, GT-AH2, GT-AH3, GT-AH4
History: GT-HI1
Natural & Physical Sciences: GT-SC1, GT-SC2
Social & Behavioral Sciences: GT-SS1, GT-SS2, GT-SS3

Non-Major Elective Courses (3 credit hours)

Select one course from the following:

BUS 2017 - Business Communication and Report Writing OR BUS 2026 - Business Statistics

Major Courses (42 credit hours)

Required Courses (28 credit hours)

- CIS 2020 - Fundamentals of UNIX 3 Credits *
    * Students intending to transfer to CSU-Pueblo should take CIS 315 at CSU-Pueblo and back transfer the course.
- CNG 2059 - Enterprise Security 4 credits
- CNG 2056 - Vulnerability Assessment Level 1 3 credits
- CNG 2057 - Network Defense and Counter Measures 3 Credits
- CNG 1032 - Network Security Fundamentals 3 Credits
- CNG 1042 - Introduction to Cloud Computing 3 Credits

- CNG 1024 - Networking I: Network+ 3 Credits
- CNG 1025 - Networking II: Network+ 3 Credits
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits

Major Elective Courses (14 credit hours)

- CIS 2032 - Unix Shell Programming 3 Credits
- CIS 2040 - Database Design and Development 3 Credits
- CIS 2068 - Systems Analysis and Design I 3 Credits
- CIS 2087 - Cooperative Education 3 Credits OR CIS 2089 - Capstone
- CNG 2043 - Cloud Security and Cyber Law 3 Credits
- CNG 2057 - Network Defense and Counter Measures 3 Credits Students intending to transfer to CSU-Pueblo should take CIS 462, CIS 401, and CIS 461 at CSU-P and reverse transferring to earn the degree.
- CNG 2058 - Digital Forensics 4 Credits Students intending to transfer to CSU-Pueblo should take CIS 462, CIS 401, and CIS 461 at CSU-P and reverse transferring to earn the degree.
- CNG 1036 - Guide to IT Disaster Recovery 3 Credits
- CNG 2002 - Unix/Linux Server Admin 3 Credits
- CNG 2012 - Configuring Windows Server 4 Credits [1]
- CSC 1060 - Computer Science I (Language) 4 Credits [2]
- DAT 1001 - Introduction to Data Science 3 Credits

1. Students intending to transfer to CSU-Pueblo should take CIS 462, CIS 401, and CIS 461 at CSU-P and reverse transferring to earn the degree.
2. Students intending to transfer to CSU-Pueblo are strongly encouraged to take CSC-1060 at ACC.

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Game Design and Development, AAS

CIP 110204 (4GAM)

The Game Design and Development degree is a two-year Associate of Applied Science program that prepares students to work as a game developer or computer programmer.

There are three types of courses students will focus on in the degree: general computer science classes ensure every student has a solid programming background applicable to any development position, game development classes make certain students know how to apply their programming skill to create engaging games using an industry standard game engine, and art and multimedia courses provide the creative background necessary for students to effectively integrate with the diverse teams that work on modern games.

Electives allow a student to customize their degree with additional classes in a chosen area of focus.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15-16 credit hours)

- ART 1201 - Drawing I 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits **OR** higher

Major Courses (35 credit hours)

- CIS 2089 - Capstone 3 Credits
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
- CSC 1026 - Game Design and Development 3 Credits
- CSC 1060 - Computer Science I (Language) 4 Credits
- CSC 1061 - Computer Science II (Language) 4 Credits
- CSC 2000 - Game Programming I 3 Credits
- CSC 2027 - 3D Game Programming 3 Credits
- CSC 2046 - Mobile App Development 3 Credits
- MGD 1043 - Motion Graphic Design I: (Software) 3 Credits
- MGD 1011 - Adobe Photoshop I 3 Credits
- MGD 1053 - 3-D Animation I 3 Credits

Elective Courses (9-10 credit hours)

Students must take 9 -10 credits from the following

- ART 1202 - Drawing II 3 Credits
- ART 1002 - Visual Concepts 2-D Design 3 Credits
- BUS 1020 - Introduction to E-Commerce 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- CIS 2002 - Automated Project Management 3 Credits
- CSC 2065 - Discrete Structures 4 Credits
- CSC 2017 - Advanced Python Programming 3 Credits
- CSC 2036 - C# Programming 4 Credits
- MAR 1006 - Marketing Your Image 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits
- MAT 2410 - Calculus I: GT-MA1 5 Credits **OR** higher
- MGD 1001 - Introduction to Computer Graphics 3 Credits
- MGD 1012 - Adobe Illustrator I 3 Credits
- MGD 1063 - Sound Design I 3 Credits
- MGD 2043 - Web Motion Graphic Design II 3 Credits
- MUS 1061 - Computer Music Applications I 3 Credits
- MUS 1062 - Computer Music Applications II 3 Credits
- or any MGD or CSC course approved by Department

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Health Information Technology, AAS

Online Program (with the exception of two Practicum courses)

CIP 510707 (AHT1)

The Associate of Applied Science (AAS) degree in Health Information Technology is designed to develop the technical skills necessary for managing health information within the healthcare delivery system. The AAS degree program in Health Information Technology emphasizes the technical component of health information services and is designed to prepare entry-level graduates with the knowledge and skills necessary to use, analyze, abstract, code, present, and retrieve data in a variety of health care settings including hospitals, long term care, ambulatory care, mental health care and other healthcare facilities as well as private industry. Upon successful completion of the program, the graduate is eligible to write the national certification examination and upon successful passing of this examination, receive the RHIT (Registered Health Information Technology) credentials. This program is accredited by the Commission on Accreditation for Health Informatics and Information Management (CAHIIM). The American Health Information Management Association (AHIMA) is the association of health information management (HIM) professionals. AHIMA Web site: www.ahima.org

Admission Requirements

The following are the basic requirements for admission to the Health Information Technology (HIT) program:

- Completion of High school or GED equivalence
- Admission to Arapahoe Community College
- Submission of the HIT application
- Interview with HIT Program Chair, Allied Health Programs Success Coordinator or Designate
- Criminal Background Check (prior to first practicum)
- Vaccination documentation (prior to first practicum)
- Prerequisite:
- English: ENG 090 and REA 090 OR ENG 0092/ENG 0093/ENG 0094 with a grade of "C" or better, OR Placement sentence skills score of 95+ OR assessment to be at college-level in English (see Student Resources and Services - Assessment in this Catalog)
- Math: MAT 0250 or assessment to be at college-level in Math (see Student Resources and Services - Assessment in this Catalog)

Students must contact HITProgram@arapahoe.edu for counseling and program planning prior to enrolling in any courses that are part of the HIT curriculum.

Program Requirements

General Education Courses (15 credit hours)

- CIS 1018 - Introduction to PC Applications 3 Credits
- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits **OR** any other higher level Communications course
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR** any other higher level Composition/Writing course
- PSY 1001 - General Psychology I: GT-SS3 3 Credits **OR** any other higher level Psychology course
- MAT 1260 Introduction to Statistics: GT-MA1

Major Courses (49 credit hours)

- BIO 1006 - Basic Anatomy and Physiology 4 Credits
- HIT 1001 - Health Information Management Science 3 Credits
- HIT 1005 - Principles of Healthcare Reimbursement 3 Credits
- HIT 1011 - Health Data Management and Information Systems 3 Credits
- HIT 1012 - Legal Aspects Health Records 2 Credits
- HIT 1022 - Workflow Fund of Healthcare 3 Credits
- HIT 1088 - Health Information Practicum I 2 Credits
- HIT 2020 - ICD Coding I 3 Credits
- HIT 2021 - ICD Coding II 2 Credits
- HIT 2022 - Quality Management 3 Credits
- HIT 2025 - Health Information Management 3 Credits
- HIT 2031 - ICD Coding III 5 Credits
- HIT 2041 - CPT Coding Basic Principles 3 Credits
- HIT 2089 - HIT Capstone 2 Credits
- HPR 1032 - Disease Process and Treatment 5 Credits
- HPR 1040 - Comprehensive Medical Terminology 3 Credits

Total: 64 credit hours

Graduation Requirements

- All major education and other courses required for this degree must be completed with a "C" or better to meet graduation requirements.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Interior Design, AAS

CIP 500408 (IDES)

Since 1975, ACC's Interior Design Program has been shaping future design professionals, making it one of Colorado's oldest and most respected programs. With a strong reputation for quality education, ACC is a recognized leader in the state's interior design community. Interior designers are essential in creating spaces that are not only beautiful but also functional and efficient.

At ACC, students are taught to develop their creative skills to bring their design visions to life while learning the essential processes and ethical practices needed for a successful career. They will explore various design niches, including residential, commercial, kitchen and bath, and more.

The program focuses on preparing students to become professional designers who understand the balance between aesthetics, functionality, and responsible design practices, ensuring they are well-prepared to thrive in the dynamic world of interior design. The Interior Design program can be completed in 2.5 years, whether attending classes in-person, online, or a combination of both.

Concurrent Program Options

Students may choose to pursue multiple credentials concurrently. Many complete the **Residential Kitchen & Bath Design Certificate** and/or the **CAD–Interior Design Certificate** while earning the **Interior Design AAS** degree, since the courses are closely aligned. This approach supports specialization in residential, technical drafting, or kitchen and bath design, and can accelerate entry into the workforce.

Professional Credentialing
Graduates of ACC's Interior Design AAS degree are prepared to pursue professional certification that enhances career advancement and industry recognition. Students may qualify for the **NCIDQ Certification** through the *Council for Interior Design Qualification (CIDQ)* or the **CKBD Certification** through the *National Kitchen & Bath Association (NKBA)*, depending on their area of focus. These credentials demonstrate advanced professional competence and a commitment to design excellence.

Admission Requirements

- Admission to Arapahoe Community College
- New and transfer students must attend an Interior Design Program Onboarding before beginning the program. A signup link for orientation is available on the Interior Design web page.
- Students should have been assessed to be at college-level in English (see Student Resources and Services - Assessment in this Catalog)
- OR 236 on the NextGen Accuplacer
- OR ACT or SAT scores within the last five years
- OR have earned a previous college degree
- OR have completed any necessary developmental courses, if required, with a grade of "C" or higher before taking Interior Design courses.
- Students wishing to transfer in prior Interior Design or General Education credits to fulfill degree requirements must have official transcripts sent to the ACC Admission and Records Offices. If you have questions after Admissions and Records has evaluated your transcripts, please call 303.797.5958 to schedule an appointment with the IND Department Chair.

Program Requirements

General Education Courses (15 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- ART 1201 - Drawing I 3 Credits
- 9 Credits of Guaranteed Transfer courses - 9 Credits

Major Courses (53 credit hours)

- CAD 1105 - AutoCAD for Interiors 4 Credits
- CAD 1110 - SketchUp 3 Credits
- IND 1101 - Introduction to Interior Design 3 Credits
- IND 1102 - History of Interior Design 3 Credits
- IND 1105 - Technical Drafting for Interiors 3 Credits
- IND 2203 - Space Planning 3 Credits
- IND 2204 - Estimating Interior Materials 3 Credits
- IND 2208 - Residential Design 4 Credits
- IND 2209 - Commercial Design I 2 Credits
- IND 2501 - Kitchen and Bath Design 4 Credits
- IND 2211 - Commercial Design II 4 Credits
- IND 2300 - Interior Construction 4 Credits
- IND 2702 - IND Portfolio Presentations 3 Credits
- IND 2302 - Lighting Design 3 Credits
- IND 2703 - Sustainable Design 3 Credits
- IND 2088 - Practicum 1 Credit (Design Research)
- IND 2089 - Capstone: Advanced Design 3 Credits

Restricted Electives (3 credit hours)

Note: Interior Design students must select one (1) elective course below to complete the 71 credit Interior Design Program requirement.

- IND 2080 - Internship 3 Credits
- CAD 2210 - Advanced Sketchup 3 Credits
- CAD 2221 - Advanced Revit Architecture 3 Credits
- MGD 1011 - Adobe Photoshop I 3 Credits
- MGD 1013 - Adobe InDesign 3 Credits

Total: 71 credit hours

Graduation Requirements

- All courses required for this A.A.S. degree must be completed with a grade of "C" or better to meet admission and graduation requirements.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Law Enforcement, AAS

CIP 430107 (4CJL)

The Law Enforcement A.A.S. Degree is designed for students who completed or plan to complete Arapahoe Community College's Law Enforcement Academy and are seeking a career in Law Enforcement. This program prepares students to be employed in law enforcement at departments requiring a two-year college degree.

Admission Requirements

- Admission to Arapahoe Community College
- Completion of ACC's Law Enforcement Academy, or a current Colorado Post certificate holder, or permission of the Program Coordinator.

Program Requirements

General Education Courses (15 credit hours)

- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits **OR**
- COM 2250 - Organizational Communication 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits
- MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits **OR**
- SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits
- Any of the following for 3 more credits: CIS 1018, ENG 1031, SOC 1002, any foreign language course 111, 112, 211, or 212, or PED *

Note(s):

* PED 1002 and PED 1010 are courses completed as part of the LEA cohort. Students not yet admitted to LEA must wait to take these courses during LEA.

Required Criminal Justice Courses (9 credit hours)

- CRJ 1010 - Intro to Criminal Justice GT: SS3 3 Credits
- CRJ 2009 - Criminal Investigation I 3 Credits
- CRJ 2078 - Seminar 3 Credits

Law Enforcement Academy Courses (38 credit hours)

- LEA 1001 - Basic Police Academy I 6 Credits
- LEA 1002 - Basic Police Academy II 12 Credits
- LEA 1003 - Basic Law Enforcement Academy III 2 Credits
- LEA 1004 - Basic Law Enforcement Academy IV 1 Credit
- LEA 1005 - Basic Law 8 Credits
- LEA 1006 - Arrest Control Techniques 3 Credits
- LEA 1007 - Law Enforcement Driving 3 Credits
- LEA 1008 - Firearms 3 Credits

Note(s):

These courses will be completed through ACC's Law Enforcement Academy. Upon review and permission of the Program Coordinator, successful completion of Law Enforcement Academy at another institution may serve as an equivalent and may be transferred to ACC for course credit.

Total: 62 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

LPN to ADN Nursing, AAS

CIP 513801 (4NR2)

This program is designed to prepare ACC graduates to take the NCLEX-RN licensure exam for employment as a registered nurse. The beginning professional nurse will have developed entry-level skills for employment

in hospitals and other health care settings. Clinical nursing courses include supervised patient care experiences at a variety of health care agencies. The PN-RN option allows Licensed Practical Nurses licensed in Colorado to obtain Nursing AAS Credit for the first two semesters of the Nursing Program and complete the AAS Nursing in three semesters without duplicating PN coursework. For information about the nursing program application, go to http://www.arapahoe.edu/nursing. Call 303.797.5939 or email nursing@arapahoe.edu with questions.

The Associate Degree Nursing Program at Arapahoe Community College located in Littleton, Colorado is accredited by the: Accreditation Commission for Education in Nursing (ACEN): 3390 Peachtree Road NE, Suite 1400, Atlanta Georgia 30326. 404.975.5000, www.acenursing.org The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate Degree nursing program is Continuing Accreditation. View the public information disclosed by the ACEN regarding this program at https://www.acenursing.org/search-programs.

The Nursing Program is approved by the Colorado State Board of Nursing (CSBON) located at 1560 Broadway, Suite 1350, Denver, CO 80202. dpo.colorado.gov/Nursing; 303.894.2430.

The Nursing Program is also approved by the State Board of Colorado Community College Occupational and Education Programs. Arapahoe Community College is accredited by The Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools (NCA).

Upon successful completion of program requirements, the graduate is eligible to take the NCLEX-RN (National Council of Licensure Examination - Registered Nursing). The website for information on the exam is http://www.ncsbn.org.

The ACC Nursing Program is housed in the School of Health and Public Services Division, office phone number is 303.797.5798. The Nursing Assistant's phone number is 303.797.5939.

Admission Requirements

Admission Requirements are briefly noted below - for detailed information and pertinent dates go to https://www.arapahoe.edu/nursing

- Admission to Arapahoe Community College
- Complete Nursing Program Application (PN to RN, Associate of Applied Science) during application dates (check dates for upcoming terms)
- Contact nursing@arapahoe.edu for details
- Completion of all general education courses required for the Nursing AAS (BIO 2102, BIO 2104 or BIO 2108, BIO 2116, MAT 1120 or higher (recommended MAT 1260), ENG 1021, PSY 2440, BIO 2101, HPR 1010 or HWE 1050 and GT Arts and Humanities/Social Behavioral Science Elective) with at least a "C" and cumulative GPA of at least 2.5.
- Hold a current, unrestricted LPN License in Colorado.
- No work experience is required within three years of graduation from PN Program. 1000 hours LPN work experience required within the last 3 years if more than three

years have elapsed since PN Program graduation.

Program Requirements

General Education Courses (29 credit hours)

- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits
- BIO 2104 - Microbiology with Lab: GT-SC1 4 Credits **OR**
- BIO 2108 - General College Microbiology: GT-SC1 5 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits
- PSY 2440 - Human Growth and Development: GT-SS3 3 Credits
- BIO 2116 - Human Pathophysiology 4 Credits
- HPR 1010 - Dietary Nutrition 1 Credit **OR**
- HWE 1050 - Human Nutrition 3 Credits
- MAT 1120 - Math for Clinical Calculations 3 Credits
- Select any Humanities or Social Behavioral Science Guaranteed Transfer (GT) Course 3 Credits

Note(s):

*All general education courses must be completed with a grade of C or better and overall GPA of 2.5

Upon successful completion of NUR 1089, NUR 2006, NUR 2011, and NUR 2012, PLA credit for CO State LPN license [NUR 1009 (6 cr.), NUR 1012 (2 cr.), NUR 1006 (7cr.), and NUR 1050 (6 cr.)] will be awarded.

Major Courses (45.5 credit hours)

- NUR 2002 - Transition from LPN to ADN 3 Credits
- NUR 1006 - Medical-Surgical Nursing Concepts 7 Credits
- NUR 1009 - Fundamentals of Nursing 6 Credits
- NUR 1012 - Basic Concepts of Pharmacology 2 Credits
- NUR 1050 - Maternal - Child Nursing 6 Credits
- NUR 2006 - Advanced Concepts of Medical-Surgical Nursing I 6.5 Credits
- NUR 2011 - Psychiatric - Mental Health Nursing 4 Credits
- NUR 2012 - Pharmacology II 2 Credits
- NUR 2016 - Advanced Concepts Medical-Surgical Nursing II 5 Credits
- NUR 2030 - Transition to Professional Nursing Practice 4 Credits

Total: 74.5 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- You must complete a minimum of 25% of credit hours required for the degree at ACC (18.6 credits)
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Medical Laboratory Technology, AAS

CIP 511004 (4AML)

The Associate of Applied Science (AAS) degree in Medical Laboratory Technology is

designed to prepare qualified technicians to perform a variety of complex laboratory tests which play an important role in the detection, diagnosis, and treatment of many diseases and in the promotion of health. Upon successful completion of the program, graduates are eligible to take national examinations to become certified Medical Laboratory Technicians.

As a certified MLT, employment is available in hospitals and clinics as well as veterinary, industrial and environmental laboratories in Colorado or in other states.

The MLT Program is delivered in an online/hybrid format and is available in a 1-year fast track option and 2-year traditional route. More than two years may be taken to complete the program. Students may begin general education classes at any time, according to published semester schedules. All MLT didactic courses are offered in a hybrid format. Student lab sessions meet on select Fridays from 4:30 pm to 8:30 pm and on Saturdays 9:30 am to 4:30 pm.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) http://www.naacls.org. NAACLS can be reached at 5600 N. River Rd. Suite 720, Rosemont, IL 60018, phone (773) 714-8880; Fax (773) 714-8886; Email info@naacls.org

Admission Requirements

- Admission to Arapahoe Community College
- Complete MLT Program Online Application
- Personal interview with MLT Program Director
- Criminal Background Check (prior to registering for any MLT course)

Transfer students: Courses from NAACLS-approved MLT-CLT programs and Military Laboratory Specialists programs will be evaluated on an individual basis.

Program Requirements

General Education Courses (22 credit hours)

- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits *
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits *
- CHE 1111 - General College Chemistry I: GT-SC1 5 Credits **
- CIS 1018 - Introduction to PC Applications 3 Credits **OR** higher level CIS course *
- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits

Note:

* to satisfy graduation or transfer requirements BIO 2101 and BIO 2102 must have been taken within the last 10 years and CIS 1018 must have been taken within the last 6 years.

Major Courses (41 credit hours)

- HPR 1040 - Comprehensive Medical Terminology 3 Credits
- MLT 1031 - Introduction to Hematology 2 Credits
- MLT 1032 - Hematology II 4 Credits

- MLT 1041 - Immunology/Immunohematology 4 Credits
- MLT 1042 - Urinalysis 2 Credits
- MLT 1080 - Internship/Blood Banking 1 Credit
- MLT 1082 - Internship II/Hematology, Coagulation and Urinalysis 5 Credits
- MLT 2031 - Clinical Microbiology 4 Credits
- MLT 2032 - Parasitology/Mycology 2 Credits
- MLT 2041 - Introduction to Clinical Chemistry 2 Credits
- MLT 2042 - Clinical Chemistry II 4 Credits
- MLT 2053 - Seminar/Comprehensive Exams 1 Credit
- MLT 2080 - Internship/Clinical Chemistry 5 Credits
- MLT 2082 - Internship IV/Microbiology 2 Credits

Total: 63 credit hours

MLT Graduation Requirements (additional)

- Medical Laboratory Technology (MLT) courses must be completed within five years of a student's graduation.
- Please contact the MLT Program Director if you have questions about these academic requirements.

Graduation Requirements

- All major, general education and other courses required for this degree must be completed with a "C" or better to meet graduation requirements.
- To graduate, students must apply for graduation and complete the graduation survey (available via myACC). (form available at www.arapahoe.edu/graduation)
- After applying for graduation, all correspondence to a student about the status of their program conferral will be sent to their student email address only.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Mortuary Science, AAS

CIP 120301 (MOR)

Mortuary Science is a field of human and community service which offers a variety of work, intellectual challenge and satisfaction of helping the bereaved through life's most trying period. The program prepares individuals to become a mortuary science practitioner, funeral director and embalmer.

Accreditation Status: The Mortuary Science Program at Arapahoe Community College is accredited by the American Board of Funeral Service Education (ABFSE). The Board can be reached at 992 Mantua Pike, Suite 108, Woodbury Heights, NJ 08097, 816.233.3747, www.abfse.org.

National Board Examination scores, graduation rates, and employment rates for this and other ABFSE-accredited programs are available at www.abfse.org in the Directory of Accredited Programs.

Admission Requirements

- Admission to Arapahoe Community College
- Complete a Mortuary Science Application

Program Requirements

General Education Courses (26 credit hours)

- ACC 1011 - Introduction to Financial Accounting 3 Credits
- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits
- MAN 1028 - Human Relations in Organizations 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits

Major Courses (39 credit hours)

- HPR 1058 - Role of Death and Bereavement In Society 3 Credits *
- MOR 1000 - Intro to Funeral Service 3 Credits *
- MOR 2010 - Embalming Theory I and Lab 4 Credits
- MOR 2015 - Funeral Merchandising 3 Credits
- MOR 2020 - Mortuary Law and Compliance 3 Credits
- MOR 2024 - Thanato-Microbiology/Pathology 4 Credits
- MOR 2025 - Embalming Theory II and Lab 4 Credits
- MOR 2030 - Restorative Art and Lab 4 Credits
- MOR 2035 - Funeral Directing and Counseling 3 Credits
- MOR 2043 - Thanatochemistry 3 Credits
- MOR 2060 - National Board Exam Review 1 Credit
- MOR 2080 - Internship 4 Credits

Note(s):

As of Spring 2025, enrollment in all MOR courses and HPR 1058 will require official acceptance into the Mortuary Science program. Please speak to an advisor before attempting to enroll in MOR and HPR 1058 courses as financial aid may be impacted.

Total: 65 credit hours

Graduation Requirements

- All MOR courses must be completed within four years of starting the Major Courses.
- All major, general education and other courses required for this degree must be completed with a "C" or better to meet graduation requirements (major courses may only be repeated once).
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Multimedia, Graphic Design, and Illustration, AAS

CIP 500409 (GDI)

This program prepares students for entry-level work in the field of print design with additional weight given to either illustration or web design. The curriculum consists of

lecture and lab participation involving design theory, typography, production, advertising, and portfolio development. Training in the latest design software is emphasized throughout the degree. Restricted electives allow the student to further explore areas of design they may enjoy. Students entering this program can expect an additional cost of approximately $2,000 for books, drawing and design materials, computer storage media and color printing. Please see the department's advising guide for a recommended sequence of coursework.

Admission Requirements

- Admission to Arapahoe Community College
- Proficiency with Macintosh operations is required for classes in MGD labs. Students without these skills must enroll in either MGD 1001 or MGD 1002 prior to taking other MGD computer classes.
- Typing and basic math skills are also highly recommended.

Program Requirements

General Education Courses (15 credit hours)

- ART 1110 - Art Appreciation: GT-AH1 3 Credits **OR**
- ART 1111 - Art History I Ancient to Medieval: GT-AH1 3 Credits **OR**
- ART 1112 - Art History II Renaissance to Modern: GT-AH1 3 Credits **OR**
- ART 1113 - Art History-1900 to Present: GT-AH1 3 Credits
- BUS 1015 - Introduction to Business 3 Credits **OR**
- MAN 2041 - Project Management in Organizations 3 Credits
- COM 1150 - Public Speaking 3 Credits **OR**
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits **OR**
- COM 2250 - Organizational Communication 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits **OR**
- SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits

Major Courses (45 credit hours)

- ART 1201 - Drawing I 3 Credits
- ART 1002 - Visual Concepts 2-D Design 3 Credits
- MGD 1002 - Introduction to Multimedia 3 Credits **OR**
- MGD 1043 - Motion Graphic Design I: (Software) 3 Credits
- MGD 1020 - Intro to Production Design 3 Credits
- MGD 1015 - Typography and Layout 3 Credits
- MGD 1011 - Adobe Photoshop I 3 Credits
- MGD 1012 - Adobe Illustrator I 3 Credits
- MGD 1013 - Adobe InDesign 3 Credits
- MGD 1017 - Introduction to Visual Communications 3 Credits
- MGD 1041 - Web Design I 3 Credits **OR**
- MGD 1037 - Illustration I 3 Credits **OR**
- ART 1202 - Drawing II 3 Credits
- MGD 2014 - Typography II 3 Credits
- MGD 2056 - Graphic Design Production 3 Credits
- MGD 2060 - Graphic Design Production II 3 Credits
- MGD 2080 - Internship 3 Credits **OR**

- MGD 2087 - Cooperative Education 3 Credits
- MGD 2089 - Capstone 3 Credits

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Music Audio Technology, AAS

CIP 100203 (AOU1)

This Associate of Applied Science degree in Music Audio Technology prepares students for entry-level employment as an audio technician, and to provide supplemental training for persons currently employed in this occupation. The content includes, but is not limited to: computer music software applications, audio recording/production, and live sound engineering.

This program may transfer to other colleges or universities and apply toward a bachelor's degree. Contact the ACC Advising Office or a Faculty Advisor in the music department for details.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (17 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits
- PHY 1105 - Conceptual Physics w/Lab: GT-SC1 4 Credits
- SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits

Core Music Courses (13 credit hours)

- MUS 1010 - Music Theory I 3 Credits
- MUS 1011 - Music Theory II 3 Credits
- MUS 1012 - Ear Training and Sight-Singing I Lab 1 Credit
- MUS 1013 - Ear Training and Sight-Singing II Lab 1 Credit
- MUS 1031 - Music Class I 2 Credits (Piano)

Pick one of the following MUS 120 Level Courses: (3 credit hours)

- MUS 1021 - Music History Medival thru Classical: GT-AH1 3 Credits
- MUS 1022 - Music History Early Romantic Period to the Present: GT-AH1 3 Credits
- MUS 1025 - History of Jazz: GT-AH1 3 Credits

Music Audio Technology Major (27 credit hours)

- MUS 1008 - Principles of Acoustics 3 Credits
- MUS 1061 - Computer Music Applications I 3 Credits

- MUS 1062 - Computer Music Applications II 3 Credits
- MUS 1063 - Music Audio Production I 3 Credits
- MUS 1064 - Music Audio Production II 3 Credits
- MUS 1067 - Music Business I 3 Credits
- MUS 2041 - Private Instruction 1-2 Credits (Composition)
- MUS 2060 - The Business of Live Music Performance 3 Credits
- MUS 2065 - Live Audio Engineering 3 Credits
- MUS 2084 - Internship 1 Credit

Electives (3 credit hours)

Applied Music & Ensembles Choose from below 3 Credits

- MUS 1041 - Private Instruction (Specify) 1-2 Credits (Instrumental or Voice)
- MUS 1042 - Private Instruction (Specify) 1-2 Credits (Instrumental or Voice)
- MUS 2042 - Private Instruction 1-2 Credits (Instrumental or Voice)
- MUS 1051 - Ensemble I 1 Credit
- MUS 1052 - Ensemble II 1 Credit
- MUS 2067 - Music Marketing Strategies 3 Credits

Total: 60 credit hours

Graduation Requirements

- All courses required for this A.A.S. degree must be completed with a grade of "C" or better to meet admission and graduation requirements.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Nursing, AAS

CIP 513801 (4NR5)

This program is designed to prepare ACC graduates for employment as registered nurses. The beginning professional nurse will have developed entry-level skills for employment in hospitals and other health care settings. Clinical nursing courses include supervised patient care experiences at a variety of health care agencies. For information about the nursing program application, go to http://www.arapahoe.edu/nursing. Call 303.797.5939 or email nursing@arapahoe.edu with questions.

The Nursing Program is accredited by the Accreditation Commission for Education in Nursing (ACEN), formerly the National League for Nursing Accrediting Commission (NLNAC). The contact information for ACEN is: 3390 Peachtree Road NE, Suite 1400, Atlanta Georgia 30326. The telephone number is 404.975.5000 and website is www.acenursing.org

The Nursing Program is approved by the Colorado State Board of Nursing (CSBON) located at 1560 Broadway, Suite 1350, Denver, CO 80202. CSBON's website is dpo.colorado.gov/Nursing; the telephone number is 303.894.2430.

The Nursing Program is also approved by the State Board of Colorado Community College Occupational and Education Programs. Arapahoe Community College is accredited by The Higher Learning

Commission (HLC) of the North Central Association of Colleges and Schools (NCA).

Upon successful completion of program requirements, the graduate is eligible to take the NCLEX-RN (National Council of Licensure Examination - Registered Nursing). The website for information on the exam is http://www.ncsbn.org.

The ACC Nursing Program is housed in the School of Health and Public Services Division, office phone number is 303.797.5798. The Nursing Assistant's phone number is 303.797.5939.

Admission Requirements

Admission Requirements are briefly noted below - for detailed information and pertinent dates go to http://www.arapahoe.edu/nursing

- Admission to Arapahoe Community College
- Nursing Program Application (different than application to ACC)
- Completion of ENG 1021, PSY 2440, BIO 2101, HPR 1010 or HWE 1050, with a cumulative GPA for these classes of at least a 3.0
- Attend an Information session
- Complete Nursing Program Application
- Hold a CNA certificate in the State of Colorado
- HESI Nursing Entrance Exam is required for students. Students must score at least a 70 on reading comprehension, grammar, vocabulary, and general knowledge under English Language and a 70 on the composite Math score.
- If you are new to ACC and **do not** have all your prerequisite coursework, start a new application with "Allied Health" as the major and select the starting semester.

Program Requirements

General Education Courses (29 credit hours)

- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits *
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits *
- BIO 2104 - Microbiology with Lab: GT-SC1 4 Credits (with lab) * **OR**
- BIO 2108 - General College Microbiology: GT-SC1 5 Credits *
- ENG 1021 - English Composition I: GT-CO1 3 Credits *
- PSY 2440 - Human Growth and Development: GT-SS3 3 Credits *
- BIO 2116 - Human Pathophysiology 4 Credits
- HPR 1010 - Dietary Nutrition 1 Credit **OR**
- HWE 1050 - Human Nutrition 3 Credits
- MAT 1120 - Math for Clinical Calculations 3 Credits
- Select any Humanities or Social Behavioral Science Guaranteed Transfer (GT) Course

Note(s):

*The following courses, BIO 2101, ENG 1021, and PSY 2440, and HPR 1010 or HWE 1050 (11-13 credit hours) must be taken prior to Nursing Program application submittal. They must be completed with a cumulative GPA of 3.0 with no grade less than a "C"

Major Courses (42.5 credit hours)

- NUR 1006 - Medical-Surgical Nursing Concepts 7 Credits
- NUR 1009 - Fundamentals of Nursing 6 Credits

- NUR 1012 - Basic Concepts of Pharmacology 2 Credits
- NUR 1050 - Maternal - Child Nursing 6 Credits
- NUR 2006 - Advanced Concepts of Medical-Surgical Nursing I 6.5 Credits
- NUR 2011 - Psychiatric - Mental Health Nursing 4 Credits
- NUR 2012 - Pharmacology II 2 Credits
- NUR 2016 - Advanced Concepts Medical-Surgical Nursing II 5 Credits
- NUR 2030 - Transition to Professional Nursing Practice 4 Credits

Total: 71.5 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Professional Licensing Disclosure

Students enrolling or continuing at Arapahoe Community College (ACC) have a right to certain information that the college is required by law to provide. As a student applying for or attending the Associates Degree Nursing Program or Practical Nursing Exit Option, you have the right to know it meets the licensure or certification for Colorado. It is possible that the degree/certificate may count toward licensing in states other than Colorado. If you are planning to seek professional licensure, it is strongly recommended that you contact the appropriate licensing entity in the state in which you are located or plan to locate in order to seek information and guidance regarding licensure or certification requirements before you begin this program. This program meets the applicable state prerequisites for licensure or certification in Colorado as listed below:

Colorado Board of Nursing
National Council State Board of Nursing NCLEX-RN and NCLEX-PN

ACC has not determined if the Associates Degree Nursing Program or Practical Nursing Exit option meets applicable state prerequisites for licensure or certification in states other than Colorado. Other states include (Alabama, Alaska, Arizona, Arkansas, California, Connecticut, District of Columbia, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming and U.S. Territories: American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands). For additional licensing requirements by state, see: https://www.ncsbn.org/14730.htm

Paralegal, AAS

CIP 220302 (LGA2)

Paralegals (Legal Assistants) play an important role in assisting attorneys to provide affordable legal services.

ACC's American Bar Association-approved Paralegal program provides a solid

foundation of knowledge and practical experience to prepare students for this profession. While paralegals may not practice law, they work under the supervision of attorneys in private law firms or businesses, as well as in many government agencies. Tasks performed by paralegals include interviewing, investigation, research, preparing legal forms, assisting attorneys in court and other activities.

Please contact the Paralegal program if you have questions about the academic requirements.

ABA Approval

The Paralegal program has been approved by the American Bar Association since 1977. The approval process ensures that the program complies with the high academic standards of the American Bar Association. For questions about the approval process, the American Bar Association may be reached at 321 N. Clark St., Chicago, IL 60610, 312-988-5000.

Admission Requirements

- Admission to Arapahoe Community College
- Completion of all general education courses is required before students are allowed to register for paralegal (PAR) courses.
- Students must contact the Paralegal program for advising and program planning prior to enrolling in any PAR courses. Once this is accomplished students may enroll in PAR classes; enrollment in classes will not be permitted without such program approval.
- Program approval is required in order to transfer in credit for paralegal classes (PAR) from other institutions; courses may be transferred to the program ONLY if they were taken from an ABA-approved program at a regionally accredited institution, and out-of-state courses may only be transferred in if the law content is not state-specific. A maximum of (nine) semester credit hours of paralegal legal specialty courses (PAR) may be transferred in to ACC and such courses must be approved by the Program.
- The Paralegal program expects all students in the paralegal program to abide by the code of ethics promulgated by the American Bar Association (ABA) and National Association of Legal Assistants (NALA). The code of ethics may be viewed at www.americanbar.org and www.nala.org

Program Requirements

All general education classes must be successfully completed prior to taking PAR classes. PAR 1115 must be taken the first semester a student begins taking paralegal (PAR) classes. All classes, except for PAR 1115, have corequisites or prerequisites; see Course Descriptions. Students who are enrolled in at least one paralegal (PAR) class will be charged a program fee each semester.

General Education Courses (24 credit hours)

- COM 1150 - Public Speaking 3 Credits

OR

- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits
- ENG 1022 - English Composition II: GT-CO2 3 Credits

Guaranteed Transfer (GT) Courses

Students must select additional general education classes from the Guaranteed Transfer (GT) courses as follows:

- GT Arts and Humanities 3 Credits
- GT Mathematics (MAT 1240, MAT 1340, MAT 1420, MAT 1260, MAT 2410, MAT 2420, or MAT 2430) 3 Credits
- GT Physical Life Sciences 3 Credits
- GT Social and Behavioral Sciences 3 Credits
- GT Any additional GT courses 3 Credits

Major Courses (27 credit hours)

- PAR 1110 - Legal Analysis 3 Credits
- PAR 1114 - Computers and the Law 3 Credits
- PAR 1115 - Introduction to Law 3 Credits
- PAR 1116 - Torts 3 Credits
- PAR 1118 - Contracts 3 Credits
- PAR 2201 - Civil Litigation 3 Credits
- PAR 2211 - Legal Research 3 Credits
- PAR 2219 - E-Discovery and Litigation Technology 3 Credits
- PAR 2087 - Cooperative Education 3 Credits

Elective Courses (9 credit hours)

Choose nine credit hours from the following:

- PAR 1117 - Family Law 3 Credits
- PAR 1125 - Property Law 3 Credits
- PAR 1126 - Administrative Law 3 Credits
- PAR 1127 - Legal Ethics 3 Credits
- PAR 2202 - Evidence 3 Credits
- PAR 2205 - Criminal Law 3 Credits
- PAR 2206 - Business Organizations 3 Credits
- PAR 2207 - Current Issues in the Law 3 Credits
- PAR 2208 - Probate and Estates 3 Credits
- PAR 2216 - Employment Law 3 Credits
- PAR 2217 - Environmental Law 3 Credits
- PAR 2218 - Bankruptcy Law 3 Credits
- PAR 2219 - E-Discovery and Litigation Technology 3 Credits
- PAR 2227 - Immigration Law 3 Credits
- PAR 2228 - Intellectual Property 3 Credits
- PAR - Any PAR Elective 3 Credits

Total: 60 credit hours

Progression and Course Completion

In order to progress through the Paralegal program:

- A student must successfully complete each course in the Paralegal curriculum (general education and paralegal classes) by achieving a grade of "C" or better
- If a student withdraws from a PAR class, this will be treated the same as a failure to successfully complete a course
- If a student earns a grade lower than a "C" in any PAR course, or withdraws from any PAR class, the student will be allowed to retake the course a maximum of one time
- No more than two PAR classes may be retaken during the completion of the Paralegal program
- If a student is not successful, i.e., a "C" or higher grade on the re-take attempt, the student will be dismissed from the Paralegal program.
- If the student withdraws for reasons other than academic reasons, the student may provide documented proof of reasons and petition the Paralegal program for an additional one-time opportunity to retake the class. Approval of the exception is strictly the decision of the program

- Students must take at least 9 semester credits or the equivalent of legal specialty courses through synchronous instruction

Graduation Requirements

- All paralegal and general courses required for the degree must be completed with a grade of "C" or better
- To graduate, students must have a cumulative GPA of 2.0 or higher
- Students must complete a Paralegal exit survey/interview
- At least 27 hours of Paralegal courses must be taken at Arapahoe Community College
- Paralegal courses must be taken within six years of a student's graduation. General education courses are not subject to this six-year requirement
- Apply for graduation online at www.arapahoe.edu/graduation
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding

Paramedicine AAS

CIP 510904 (PMD)

This program is accredited by the Commission on Accreditation of Allied Health Educations Programs. This program is offered two times per year. Students have the option of attending full-time or part-time.

The Paramedicine Program has four components: Lecture, Lab, Clinical and Field Internships. This is approximately 1200 hours. The student must complete all coursework, lecture, lab, clinical and field internship, as well as pass all academic and practical components before sitting for the National Registry Examination.

The program is designed to educate workers in the field of Emergency Medical Services. Students should consult with an Emergency Medical Service Faculty Advisor early in their College career to explore all of their educational options. Students must earn a "C" or better in all EMS courses to graduate. All students must complete a criminal background check prior to enrolling in this program.

This program assists students in advancing their careers in the EMS systems.

All students enrolled in this program are encouraged to apply for graduation upon completion of the program.

Admission Requirements

- Admission to Arapahoe Community College
- The student must have the following to be considered for entrance into this program:
- One year of documented EMT or Advanced EMT field experience
- Basic ECG Interpretation class
- IV Approval
- Current American Heart Association Healthcare CPR certificate
- Completion of Minimum Student Competencies form
- A Criminal Background Check and Drug Screen is required for all EMS students. In the event the student background check reveals any disqualifying factors or tests positive for a prohibited substance, a student will be dismissed for the EMT program. View disqualifying events information. Please note: Criminal

background checks and drug screens require a fee.

- A **Health and History Questionnaire** is required to be on file for EMS students after acceptance into the program. Students are encouraged to review the functional job description related to the EMS Academy. If a student believes that they cannot meet one or more of these expectations without accommodations, the program director must determine, on a case by case basis and in collaboration with the Disability Access Services Office, whether and how a reasonable accommodation can be made.

Program Requirements

General Education Courses (15 credit hours)

- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAT 1150 - Technical Mathematics 4 Credits **OR** higher

Major Courses (45 credit hours)

- EMS 2025 - Fundamentals of Paramedic Practice 3 Credits
- EMS 2026 - Fundamentals of Paramedic Practice-Lab 2 Credits
- EMS 2027 - Paramedic Special Considerations 3 Credits
- EMS 2028 - Paramedic Special Considerations Lab 2 Credits
- EMS 2029 - Paramedic Pharmacology 3 Credits
- EMS 2030 - Paramedic Pharmacology Lab 2 Credits
- EMS 2031 - Paramedic Cardiology 5 Credits
- EMS 2032 - Paramedic Cardiology Lab 1 Credit
- EMS 2033 - Paramedic Medical Emergencies 4 Credits
- EMS 2034 - Paramedic Medical Emergencies Lab 1 Credit
- EMS 2035 - Paramedic Trauma Emergencies 4 Credits
- EMS 2036 - Paramedic Trauma Emergencies Lab 1 Credit
- EMS 2037 - Paramedic Internship Preparatory 2 Credits
- EMS 2080 - Paramedic Internship I 6 Credits
- EMS 2081 - Paramedic Internship II 6 Credits

Total: 60 credit hours

Graduation Requirements

- All courses required for this program must be completed with a "C" or better.
- All students enrolled in this program MUST apply for graduation upon completion of the program
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Physical Therapist Assistant, AAS

CIP 510806 (PTA)

A Physical Therapist Assistant (PTA) is a health care provider working under the

direction and supervision of a Physical Therapist. The PTA is involved in the treatment of individuals with muscular, skeletal, cardiopulmonary and nervous system disorders. The PTA may also be involved in injury prevention or programs specifically targeted toward individual or group wellness. The PTA is able to provide physical therapy services as specified in a care plan developed by a Physical Therapist. Treatment program implementation may include: therapeutic exercise, ambulation training, activities of daily living and administration of physical agents such as heat and cold.

The PTA program at Arapahoe Community College is accredited by the Commission on Accreditation of Physical Therapy Education (CAPTE), 3030 Potomac Ave, Suite 1000, Alexandria, VA 22305-3085; 703-706-3245; email: accreditation@apta.org; website: www.capteonline.org. If needing to contact the program/institution directly, please call 303-797-5897 or email pta@arapahoe.edu.

The program is five semesters in length with a summer term following the first year. Upon successful completion, the graduate is awarded an Associate of Applied Science degree.

To be eligible for PTA licensure/certification, in addition to being a graduate of an accredited program, individuals must successfully complete the National Physical Therapist Assistant Exam administered by the Federation of State Boards of Physical Therapy (www.fsbpt.org). For employment an employer may also require successful completion of a background check, drug screen, CPR certification and/or various vaccinations and immunizations.

Contact the School of Health and Public Services Office, Room A2000, 303.797.5855. Please refer to the PTA Program Information for application and placement test scores. You can contact the School Office by phone 303.797.5855 for a copy of the PTA Program Information. See further information online at https://www.arapahoe.edu/academics-programs/programs/physical-therapist-assistant

Admission Requirements

- Admission to Arapahoe Community College
- A minimum overall GPA of 2.5 to be considered in the selective admission
- The PTA program is selective admission that accepts a limited number of applicants each year. In order to qualify for consideration for admission into the PTA program, each applicant must submit the following:
- Completed supplemental PTA program application. Applications are accepted between April 1 and May 22 each year.
- Official transcripts of general education courses completed sent directly from the issuing institution to Arapahoe Community College - Records.
- Unofficial transcripts of general education courses completed attached to the PTA program application.
- ENG 1021 and BIO 2101 OR BIO 1004 and HPR 1038 OR HPR 1040 with a "C" or better are pre-requisites for PTA courses
- Students should have been assessed to be at college-level in English and Mathematics (see Student Resources and Services - Assessment in this Catalog)
- Minimum scores to be considered are:
- ACCUPLACER test:

- at least 246 or higher in Next Generation Writing
- at least 230 or higher in Next Generation QAS
- Three letters of recommendation.
- Documentation of work related or volunteer hours in Physical Therapy on the required form.
- Answers to the questions regarding the program, found in the application packet.
- BIO 1004 or BIO 2101 must have been completed in the last five years.

Program Requirements

General Education Courses (17-19 credit hours)

- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits

OR

- BIO 1004 - Biology: A Human Approach: GT-SC1 4 credits
- COM 1150 - Public Speaking 3 Credits

OR

- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits *
- ENG 1021 - English Composition I: GT-CO1 3 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits
- PSY 2440 - Human Growth and Development: GT-SS3 3 Credits
- HPR 1038 - Introduction to Medical Terminology 1 Credit **OR**
- HPR 1040 - Comprehensive Medical Terminology 3 Credits

Major Courses (58 credit hours)

- HPR 1017 - Anatomical Kinesiology 3 Credits
- PTA 1010 - Basic Patient Care in Physical Therapy 5 Credits
- PTA 1015 - Principles and Practices in Physical Therapy 2 Credits
- PTA 1017 - Anatomical Kinesiology Lab 2 Credits
- PTA 1020 - Modalities in Physical Therapy 5 Credits
- PTA 1024 - Rehab Principles of Medical I 2 Credits
- PTA 1031 - Professional Communication I 1 Credit
- PTA 1034 - Rehabilitation Principles of Medical Management II 2 Credits
- PTA 1035 - Principles of Electrical Stimulation 2 Credits
- PTA 1040 - Clinical Kinesiology 5 Credits
- PTA 1041 - Professional Communication II 1 Credit
- PTA 2005 - Psychosocial Issues In Health Care 2 Credits
- PTA 2030 - Orthopedic Assessment and Management Techniques 5 Credits
- PTA 2040 - Neurological Assessment and Management Techniques 5 Credits
- PTA 2078 - PTA Seminar 2 Credits
- PTA 2080 - PTA Internship I 4 Credits
- PTA 2081 - PTA Internship II 5 Credits
- PTA 2082 - PTA Internship III 5 Credits

Total: 75-77 credit hours

Graduation Requirements

- All major, general education and other courses required for this degree must be completed with a "C" or better to meet graduation requirements.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six

months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Professional Licensing Disclosure

Students enrolling or continuing at Arapahoe Community College (ACC) have a right to certain information that the college is required by law to provide. As a student applying for or attending the Physical Therapist Assistant Program you have the right to know it meets the certification requirements for Colorado. It is possible that the degree may count toward licensing in states other than Colorado. If you are planning to seek professional licensure, it is strongly recommended that you contact the appropriate licensing entity in the state in which you are located or plan to locate in order to seek information and guidance regarding licensure or certification requirements before you begin this program. This program meets the applicable state prerequisites for certification in Colorado as listed below:

Colorado State Physical Therapy Board PTA Certification

National Physical Therapist Assistant Examination (NPTAE)

ACC has determined as a CAPTE accredited program, the Physical Therapist Assistant Program meets applicable state prerequisites for licensure or certification in states other than Colorado. Other states include: Alabama, Alaska, Arizona, Arkansas, California, Connecticut, District of Columbia, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming.

ACC has not determined if the Physical Therapist Assistant Program meets applicable state prerequisites for licensure or certification in U.S. Territories: American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands.

Licensing information for other states can be found at https://www.fsbpt.org/Free-Resources/Licensing-Authorities-Contact-Information

Robotics and Automation Technology, AAS

CIP 150406 (ROAT)

The Robotics and Automation Technology program encompasses an aspect of engineering that focuses on the design, implementation, and maintenance of products and processes integrating mechanical, electrical, and programmable engineering technologies to complete a number of jobs in the advanced manufacturing field. The diverse program is built in collaboration with multiple industries in the field of advanced manufacturing in quest of workers with the skills and training essential in the field. The curriculum is built on a partnership with the Packaging Machinery Manufacturing Institute (PMMI) to prepare students for PMMI certification.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (15-16 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAT 1150 - Technical Mathematics 4 Credits **OR** higher
- PHI 1013 - Logic: GT-AH3 3 Credits
- PHY 1105 - Conceptual Physics w/Lab: GT-SC1 4 Credits **OR**
- PHY 1111 - Physics: Algebra-Based I: With Lab: GT-SC1 5 Credits

OR

- PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1 5 Credits
- BUS 1021 - Basic Workplace Skills 1 credit

Major Courses (40 credit hours)

- OSH 1300 - 10-HR OSHA Voluntary Compliance 1 credit
- EIC 1001 - Electrical Print Reading 4 credits
- ELT 1206 - Fundamentals of DC/AC 4 Credits
- ELT 2254 - Industrial Wiring 3 credits
- ELT 2252 - Motors & Controls 3 credits
- ELT 2455 - Fluid Power 3 credits
- ELT 2367 - Introduction to Robotics 1 credit
- CAD 2455 - Solidworks/Mechanical 3 Credits
- ELT 2348 - Automation Control Circuits 3 credits
- ELT 2358 - Programmable Logic Controllers 3 credits
- IMA 1500 - Industrial Rotating Equipment 3 credits
- ELT 2368 - Robotics Technologies 3 credits
- ELT 2359 - Advanced Programmable Logic Controllers 3 credits
- ELT 2080 - Internship 3 credits

OR

- ELT 2089 - Capstone: Automated Systems 3 Credits

Elective Courses

Choose two from the following:

- MTE 1220 - Lean Manufacturing Practices and Processes 3 credits
- PRO 2800 - Quality in Process Technology 3 credits
- CAD 2660 - 3D Printing/Additive Manufacturing 3 Credits

Total: 61-62 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Secure Software Development AAS

CIP 111003 (4ASD)

The Secure Software Development degree combines skills in computer programming, software assurance, and database development fundamentals. A degree in Secure Software can provide jobs under the

title of Computer Systems Analysts, Software Quality Assurance Engineers and Testers, Computer Programmers, Software Developer, and Information Security Analysts.

Program Requirements

General Education Courses (24 credit hours)

- ENG 1021 - English Composition I: GT-CO1 3 Credits
- ENG 1022 - English Composition II: GT-CO2 3 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits or higher
- COM 1150 - Public Speaking 3 Credits

Choose three (3) credits from the following areas:

- Social and Behavioral Science: GT SS1-SS3 **OR**
- Arts & Humanities: GT AH1-AH4 **OR**
- History GT HI1

Recommended courses from the areas above: ECO 2001, ECO 2002, HIS 1310, HIS 1320, PHI 1013

Choose eight (8) credits from the following area:

- Natural and Physical Sciences: GT-SC1 or GT-SC2

Recommended courses GEY 1111, AST 1110

Major Courses (39 credit hours)

- BUS 2026 - Business Statistics 3 Credits
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
- CIS 2020 - Fundamentals of UNIX 3 Credits
- CIS 2040 - Database Design and Development 3 Credits
- CIS 2043 - Introduction to SQL 3 Credits
- CIS 2068 - Systems Analysis and Design I 3 Credits
- CSC 1060 - Computer Science I (Language) 4 Credits
- CSC 2025 - Computer Architecture/Assembly Language Programming 4 Credits
- CSC 1061 - Computer Science II (Language) 4 Credits
- CSC 1029 - Introduction to Secure Coding 3 Credits
- CSC 2045 - Secure Software Development: (Language) 3 Credits
- CNG 1024 - Networking I: Network+ 3 Credits

Total: 63 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Associate of General Studies

Associate of General Studies

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (30 credit hours)

Written Communications (6 credit hours)

- Any GT-CO1 **and** GT-CO2 **OR**
- Any GT-CO2 **and** GT-CO3

Arts and Humanities (6 credit hours)

- Two GT-AH courses from two different categories (GT-AH1, GT-AH2, GT-AH3, GT-AH4)

History (3 credit hours)

- One GT-Pathways History course (GT-HI1)

Social and Behavioral Sciences (3 credit hours)

- One GT-Pathways Social & Behavioral Science course (GT-SS1, GT-SS2, GT-SS3)

Student Option (6 credit hours)

- Two Guaranteed Transfer Arts & Humanities/Social & Behavioral Science/History courses (GT-AH1, GT-AH2, GT-AH3, GT-AH4, GT-SS1, GT-SS2, GT-SS3, or GT-HI1)

Natural and Physical Sciences (3 credit hours)

- Any GT Science course (GT-SC1 or GT-SC2) **OR**
- Any course with the following prefix (except Special Topics or Independent Study): AST (1110 or higher), BIO (1003 or higher), CHE (1004 or higher), PHYS (1105 or higher)

Mathematics (3 credit hours)

- Any Guaranteed Transfer Mathematics (GT-MA1) course numbered MAT 1220 – 4 credits OR higher

Elective Courses (30 credit hours)

Selected from any credit-bearing course numbered at 1000 or above that is offered by the College.

Total: 60 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.

Colorado's Guaranteed Transfer Courses

In 2001, the Colorado General Assembly established that 35-37 general education credits will transfer among all Colorado public higher-education institutions.

NOTE: Classes denoted with an * are currently not offered at Arapahoe Community College.

Grades of "C" or better are required for guaranteed transfer to any four-year public institution in Colorado. Transferability of courses, including those with grades of "D," to outside colleges or universities outside of Colorado is determined by the receiving institution.

Note: For more information on GT designators such as "GT-CO1" or "GT-MA1" please see Colorado GT Courses.

Program Requirements

Arts & Humanities, History, Social & Behavioral Sciences (15 credits)

To reach a minimum of 15 credits, please select 1 additional course (minimum 3 credits) in Arts & Humanities or History or Social & Behavioral Sciences.

Arts and Humanities (6-9 credits)

2 courses (minimum 3 credits each)

Arts and Expression - GT-AH1

- ART 1110 - Art Appreciation: GT-AH1 3 Credits
- ART 1111 - Art History I Ancient to Medieval: GT-AH1 3 Credits
- ART 1112 - Art History II Renaissance to Modern: GT-AH1 3 Credits
- ART 1113 - Art History-1900 to Present: GT-AH1 3 Credits
- COM 1300 - Communication and Popular Culture: GT-AH1 3 Credits
- DAN 1025 - Dance Appreciation: GT-AH1 3 Credits *
- DAN 1050 - History of Dance: GT-AH1 3 Credits *
- ENG 2021 - Creative Writing I: GT-AH1 3 Credits
- MUS 1020 - Music Appreciation: GT-AH1 3 Credits
- MUS 1021 - Music History Medival thru Classical: GT-AH1 3 Credits
- MUS 1022 - Music History Early Romantic Period to the Present: GT-AH1 3 Credits
- MUS 1023 - Survey of World Music: GT-AH1 3 Credits
- MUS 1025 - History of Jazz: GT-AH1 3 Credits
- THE 1005 - Theatre Appreciation: GT-AH1 3 Credits
- THE 1008 - Theatre Script Analysis: GT-AH1 3 Credits *
- THE 2015 - Playwriting: GT-AH1 3 Credits

Literature and Humanities - GT-AH2

- HUM 1003 - Introduction to Film Art GT: AH2 3 Credits
- HUM 1015 - World Mythology: GT-AH2 3 Credits
- HUM 1021 - Humanities: Early Civilization: GT-AH2 3 Credits
- HUM 1022 - Humanities: Medieval -- Modern: GT-AH2 3 Credits
- HUM 1023 - Humanities: The Modern World: GT-AH2 3 Credits
- LIT 1015 - Introduction to Literature: GT-AH2 3 Credits
- LIT 2001 - World Literature to 1600: GT-AH2 3 Credits
- LIT 2002 - World Literature After 1600: GT-AH2 3 Credits
- LIT 2005 - Race, Ethnicity, and Culture in U.S. Literature: GT-AH2 3 Credits
- LIT 2011 - American Literature to the Civil War: GT-AH2 3 Credits
- LIT 2012 - American Literature after the Civil War: GT-AH2 3 Credits
- LIT 2021 - British Literature to 1770: GT-AH2 3 Credits
- LIT 2022 - British Literature Since 1770: GT-AH2 3 Credits
- LIT 2025 - Introduction to Shakespeare: GT-AH2 3 Credits
- LIT 2040 - Queer Literature: GT-AH2 3 Credits

- LIT 2046 - Literature of Women: GT-AH2 3 Credits
- LIT 2055 - Children's Literature: GT-AH2 3 Credits
- LIT 2058 - LatinX Literature: GT-AH2 3 Credits
- LIT 2059 - Survey of African American Literature: GTAH2 3 Credits
- LIT 2068 - Celtic Literature: GT-AH2 3 Credits

Ways of Thinking - GT-AH3

- PHI 1011 - Introduction to Philosophy: GT-AH3 3 Credits
- PHI 1012 - Ethics: GT-AH3 3 Credits
- PHI 1013 - Logic: GT-AH3 3 Credits
- PHI 1014 - Comparative Religions: GT-AH3 3 Credits
- PHI 1015 - World Religions - West: GT-AH3 3 Credits
- PHI 1016 - World Religions - East: GT-AH3 3 Credits
- PHI 1041 Old Testament: GT-AH3 3 Credits
- PHI 1042 New Testament: GT-AH3 3 Credits
- PHI 2005 - Business Ethics: GT-AH3 3 Credits
- PHI 2013 - Symbolic Logic: GT-AH3 3 Credits
- PHI 2014 - Philosophy of Religion: GT-AH3 3 Credits
- PHI 2018 - Environmental Ethics GT-AH3 3 Credits
- PHI 2020 - Philosophy of Death and Dying: GT-AH3 3 Credits

World Languages - GT-AH4

- ASL 2221 - American Sign Language IV: GT-AH4 3 Credits
- ASL 2222 - American Sign Language V: GT-AH4 3 Credits
- FRE 1011 - French Language I: GT-AH4 5 Credits
- FRE 1012 - French Language II: GT-AH4 5 Credits
- FRE 2011 - French Language III: GT-AH4 3 Credits
- FRE 2012 - French Language IV: GT-AH4 3 Credits
- GER 1011 - German Language I: GT-AH4 5 Credits
- GER 1012 - German Language II: GT-AH4 5 Credits
- GER 2011 - German Language III: GT-AH4 3 Credits
- GER 2012 - German Language IV: GT-AH4 3 Credits
- ITA 2011 - Italian Language III: GT-AH4 3 Credits *
- ITA 2012 - Italian Language IV: GT-AH4 3 Credits *
- JPN 2011 - Japanese Language III: GT-AH4 3 Credits
- JPN 2012 - Japanese Language IV: GT-AH4 3 Credits
- RUS 2011 - Russian Language III: GT-AH4 3 Credits *
- RUS 2012 - Russian Language IV: GT-AH4 3 Credits *
- SPA 1011 - Spanish Language I: GT-AH4 5 Credits
- SPA 1012 - Spanish Language II: GT-AH4 5 Credits
- SPA 2011 - Spanish Language III: GT-AH4 3 Credits
- SPA 2012 - Spanish Language IV: GT-AH4 3 Credits
- SPA 2061 - Spanish Language for Heritage and Intermediate-Mid Speakers: GT-AH4 3 Credits

History (3-6 Credits) - GT-HI1

1 course (minimum 3 credits)

- HIS 1110 - the World: Antiquity-1500: GT-HI1 3 Credits
- HIS 1120 - the World: 1500-Present: GT-HI1 3 Credits
- HIS 1210 - US History to Reconstruction: GT-HI1 3 Credits
- HIS 1220 - US History since the Civil War: GT-HI1 3 Credits
- HIS 1310 - Western Civilization Antiquity-1650: GT-HI1 3 Credits
- HIS 1320 - Western Civilization: 1650-Present: GT-HI1 3 Credits
- HIS 2000 - History of Science and Technology: GT-HI1 3 Credits *
- HIS 2005 - Women in World History: GT-HI1 3 Credits
- HIS 2015 - 20th Century World History: GT-HI1 3 Credits
- HIS 2110 - African American History: GT-HI1 3 Credits
- HIS 2115 - American Indian History GT-HI1 3 Credits
- HIS 2120 - US Foreign Relations History: GT-HI1 3 Credits
- HIS 2125 - American Environmental History: GT-HI1 3 Credits *
- HIS 2135 - Colorado History: GT-HI1 3 Credits
- HIS 2140 - Civil War Era in American History GT-HI1 3 Credits
- HIS 2145 - US History since 1945: GT-HI1 3 Credits
- HIS 2200 - History of Latin America: GT-HI1 3 Credits
- HIS 2210 - History of Mexico: GT-HI1 3 Credits
- HIS 2300 - The Middle Ages GT-HI1 3 Credits
- HIS 2310 - The History of Christianity in the World: GT:HI1 3 Credits *
- HIS 2610 - History Of Modern China: GT-HI1 3 Credits *

Social and Behavioral Sciences (6-9 credits)

1 course (minimum 3 credits)

Economic or Political Systems - GT-SS1

- AGE 1102 - Agriculture Economics (GT-SS1) *
- ECO 1001 - Economics of Social Issues: GT-SS1 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- ECO 2011 - Gender in the Economy: GT-SS1 3 Credits *
- ECO 2045 - Environmental Economics: GT-SS1 3 Credits
- PSC 1011 - American Government: GT-SS1 3 Credits
- PSC 1025 - American State & Local Government GT-SS1 3 Credits
- PSC 1050 - Current Political Issues GT-SS1 3 Credits
- PSC 2005 - International Relations: GT-SS1 3 Credits
- PSC 2020 - Introduction to Political Science: GT-SS1 3 Credits
- PSC 2025 - Comparative Government: GT-SS1 3 Credits

Geography - GT-SS2

- GEO 1005 - World Regional Geography: GT-SS2 3 Credits
- GEO 1006 - Human Geography: GT-SS2 3 Credits

Human Behavior, Culture or Social Frameworks - GT-SS3

- AGR 2160 - World Interdependence: Population and Food: GT-SS3 *
- ANT 1001 - Cultural Anthropology: GT-SS3 3 Credits
- ANT 1002 - Cultural Anthropology Laboratory: GT-SS3 1 Credit *
- ANT 1004 - Archeology Laboratory: GT-SS3 1 Credit *
- ANT 1003 - Introduction to Archeology: GT-SS3 3 Credits
- ANT 1006 - Physical Anthropology Lab: GT-SS3 *
- ANT 1208 - Archeology of World Rock Art: GT-SS3 *
- ANT 2115 - Native Peoples of North America: GT-SS3 3 Credits
- ANT 2125 - Anthropology of Religion GT-SS3 3 Credits
- ANT 2130 - Sex,Gender, and Culture: GT-SS3 3 Credits
- ANT 2137 - Human Prehistory: GT-SS3 3 Credits
- ANT 2550 - Medical Anthropoligy: GT-SS3 3 Credits
- ANT 2550 - Medical Anthropology: GT-SS3 3 Credits
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- COM 2220 - Group Communication:GT-SS3 3 Credits
- COM 2300 - Intercultural Communication: GT-SS3 3 Credits
- CRJ 1010 - Intro to Criminal Justice GT: SS3 3 Credits
- ETH 2000 - Introduction to Ethnic Studies: GT-SS3 3 Credits *
- ETH 2015 - Discrimination and Diversity: GT-SS3 3 Credits *
- JOU 1005 - Introduction to Mass Media: GT-SS3 3 Credits
- PBH 2015 - Introduction to Public Health: GT-SS3 4 Credits
- PSY 1001 - General Psychology I: GT-SS3 3 Credits
- PSY 1002 - General Psychology II: GT-SS3 3 Credits
- PSY 2105 - Psychology of Gender: GT-SS3 3 Credits
- PSY 2107 - Human Sexuality: GT-SS3 3 Credits
- PSY 2221 - Social Psychology: GT-SS3 3 Credits
- PSY 2222 - Psychology of Death and Dying (GT-SS3) *
- PSY 2331 - Positive Psychology: GT-SS3 3 Credits
- PSY 2333 - Health Psychology: GT-SS3 3 Credits
- PSY 2440 - Human Growth and Development: GT-SS3 3 Credits
- PSY 2441 - Child Development: GT-SS3 3 Credits
- PSY 2552 - Psychopathology: GT-SS3 3 Credits
- PSY 2771 - Psychology of Personality (GT-SS3) *
- SOC 1001 - Introduction to Sociology I: GT-SS3 3 Credits
- SOC 1002 - Introduction to Sociology II: GT-SS3 3 Credits
- SOC 2005 - Sociology of Family Dynamics: GT-SS3 3 Credits
- SOC 2007 - Environmental Sociology: GT-SS3 3 Credits
- SOC 2015 - Contemporary Social Problems: GT-SS3 3 Credits
- SOC 2016 - Sociology of Gender: GT-SS3 3 Credits
- SOC 2018 - Sociology of Diversity: GT-SS3 3 Credits
- SOC 2020 - Sociology of Religion: GT-SS3 3 Credits
- SOC 2031 - The Sociology of Deviant Behavior: GTSS3 3 Credits

- SOC 2037 - Sociology of Death and Dying (GT-SS3) *
- WST 2000 - Introduction to Women's and Gender Studies: GT-SS3 3 Credits
- WST 2100 - Women and Social Action: GT-SS3 3 Credits
- WST 2200 - Goddesses And Women In The Ancient World: GT-SS3 3 Credits

Mathematics (3-5 credits) - GT-MA1

1 course (or a series of three 1-credit courses)

- MAT 1220 - Integrated Math I: GT-MA1 3 Credits
- MAT 1230 - Integrated Math II: GT-MA1 3 Credits
- MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits
- MAT 1260 - Introduction to Statistics: GT-MA1 3 Credits
- MAT 1320 - Finite Mathematics: GT-MA1 4 Credits
- MAT 1340 - College Algebra: GT-MA1 4 Credits
- MAT 1400 - Survey of Calculus: GT-MA1 4 Credits
- MAT 1420 - College Trigonometry: GT-MA1 3 Credits
- MAT 1440 - Pre-Calculus: GT-MA1 5 Credits
- MAT 2410 - Calculus I: GT-MA1 5 Credits
- MAT 2420 - Calculus II: GT-MA1 5 Credits
- MAT 2430 - Calculus III: GT-MA1 4 Credits
- MAT 2431 - Calculus III with Engineering Applications: GT-MA1 5 Credits
- MAT 2520 - Discrete Mathematics: GT-MA1 4 Credits
- MAT 2560 - Differential Equations: GT-MA1 3 Credits
- MAT 2561 - Differential Equations with Engineering Applications: GT-MA1 4 Credits

Communication (6 credits) - GT-CO

2 courses, comprised of:

Introductory Writing Course (GT-CO1) and Intermediate Writing Course (GT-CO2)

OR

Intermediate Writing Course (GT-CO2) and Advanced Writing Course (GT-CO3)

Introductory Writing Course - GT-CO1

- ENG 1021 - English Composition I: GT-CO1 3 Credits
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits

Intermediate Writing Course - GT-CO2

- ENG 1022 - English Composition II: GT-CO2 3 Credits

Advanced Writing Course - GT-CO3

- ENG 2001 - English Composition III: GT-CO3 3 Credits
- HIS 2765 - Writing About History: GT-CO3 3 Credits *

Natural and Physical Sciences (7-10 credits)

2 courses, one of which must be GT-SC1

Courses with Required Laboratory GT-SC1

- AGY 2140 - Introductory Soil Science with Lab: GT-SC1 4 Credits *
- ANT 1005 - Biological Anthropology with Lab: GT-SC1 4 Credits
- ANT 2315 - Introduction to Forensic Anthropology with Lab: GT-SC1 4 Credits

- AST 1110 - Planetary Astronomy with Lab: GT-SC1 4 Credits
- AST 1120 - Stellar Astronomy with Lab: GT-SC1 4 Credits
- BIO 1004 - Biology: A Human Approach: GT-SC1 4 credits
- BIO 1005 - Science of Biology: GT-SC1 4 Credits
- BIO 1111 - General College Biology with Lab: GT-SC1 5 Credits
- BIO 1112 - General College Biology II with Lab: GT-SC1 5 Credits
- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits
- BIO 2104 - Microbiology with Lab: GT-SC1 4 Credits
- BIO 2108 - General College Microbiology: GT-SC1 5 Credits
- BIO 2120 - General Zoology: GT-SC1 5 Credits
- BIO 2121 - Botany: GT-SC1 5 Credits
- BIO 2124 - Genetics: GT-SC1 4 Credits *
- CHE 1005 - Chemistry in Context with Lab: GT-SC1 5 Credits *
- CHE 1011 - Introduction to Chemistry I with Lab: GT-SC1 5 Credits
- CHE 1012 - Introduction to Chemistry II with Lab: GT-SC1 5 Credits *
- CHE 1111 - General College Chemistry I: GT-SC1 5 Credits
- CHE 1112 - General College Chemistry II: GT-SC1 5 Credits
- ENV 1111 - Environmental Science w/Lab: GT-SC1 4 Credits
- GEO 1011 - Physical Geography: Landforms w/Lab: GT-SC1 4 Credits
- GEO 1012 - Physical Geography - Weather, Climate and Ecosystems w/Lab: GT-SC1 4 Credits
- GEY 1111 - Physical Geology w/Lab: GT-SC1 4 Credits
- GEY 1112 - Historical Geology w/Lab: GT-SC1 4 Credits
- GEY 1135 - Environmental Geology w/Lab: GT-SC1 4 Credits
- GEY 1155 - General Oceanography With Lab: GT-SC1 4 Credits *
- MET 1050 - General Meteorology w/Lab: GT-SC1 4 Credits
- NRE 2051 - General Oceanography with Lab: GT-SC1 4 Credits *
- PHY 1105 - Conceptual Physics w/Lab: GT-SC1 4 Credits
- PHY 1107 - Energy Science & Technology w Lab: GT-SC1 4 Credits *
- PHY 1111 - Physics: Algebra-Based I: With Lab: GT-SC1 5 Credits
- PHY 1112 - Physics: Algebra-Based II with Lab: GT-SC1 5 Credits
- PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1 5 Credits
- PHY 2112 - Physics: Calculus-Based II With Lab: GT-SC1 5 Credits
- SCI 1055 - Integrated Science I - Physics and Chemistry: GT-SC1 4 Credits **
- SCI 1056 - Integrated Science II - Earth and Life Science: GT-SC1 4 Credits **

Courses with no required laboratory GT-SC2

- AST 1140 - Astronomy of Ancient Cultures: GT-SC2 3 Credits
- AST 1150 - Astrobiology: Life in the Universe - GT-SC2 3 Credits
- AST 1160 - Cosmology: Origin and Evolution of the Universe: GT-SC2 3 Credits
- BIO 1003 - Principles of Animal Biology: GT-SC2 3 Credits
- BIO 1016 - Introduction to Human Disease: GT-SC2 3 Credits
- ENV 1010 - Natural Disasters: GT-SC2 3 Credits
- GEO 1060 - Global Climate Change: GT-SC2 3 Credits *

- GEY 1108 - Geology of National Parks: GT-SC2 3 Credits
- SCI 1105 - Science in Society: GT-SC2 3 Credits *

Note(s):

***Students MUST successfully pass BOTH* SCI 1055 & SCI 1056 *to satisfy the GT Pathways science requirement*

Graduation Requirements

- To graduate, students must apply for graduation and complete the graduation survey (available via myACC). (form available at www.arapahoe.edu/graduation)
- After applying for graduation, all correspondence to a student about the status of their program conferral will be sent to their student email address only.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Degree Requirements

General Education

All students receiving degrees from Arapahoe Community College should achieve a general education component to their education. ACC has determined that the following list reflects the expected outcomes of this general education component:

Preparing learners for life success is an important commitment at Arapahoe Community College. These learning outcomes address the knowledge, skills and values that are fundamental to the personal and professional growth of our students, employees and community.

Communication — Construct, deliver, and engage in effective, knowledgeable communication for a variety of audiences and purposes.

Information Management — Identify, retrieve and synthesize information in order to think critically, reason creatively and make informed judgments.

Personal Development — Identify and continually develop one's aptitudes and abilities in pursuit of goals.

Responsibility and Accountability — Employ personal and social accountability, recognize ethical issues, practice ethical behavior, and balance personal freedom with the interest of the community.

Quantitative Reasoning — Retrieve, interpret and evaluate information and numerical concepts to determine trends, make predictions, and develop informed opinions.

Cultural Awareness — Identify, distinguish, or express a diversity of aesthetic, cultural, and historical perspectives.

Through its college-wide assessment activities, Arapahoe Community College is constantly working to ensure that its graduates have all of these skills required by the degree program.

Customized Articulation

In addition to our transferable Associate of Arts and Associate of Science degrees, the College has established customized transfer articulation agreements for the following

"normal" nontransferable programs. This allows students to transfer directly into public four-year degree programs. Please meet with an Advisor to ensure correct course selection to meet transfer agreement requirements. CCCS articulation agreements can be found at https://highered.colorado.gov/Academics/Transfers/Students.html.

The Community Colleges of Colorado are approved to offer one Associate of Arts degree, one Associate of Science degree, and one Associate of General Studies degree. All degrees have a generic major of liberal arts. While the Catalog may indicate areas of emphasis for the A.A., A.S. and A.G.S degrees, all official documents and diplomas issued by the College will only indicate the awarding of an A.A., A.S. and A.G.S. degrees, without any indication of an area of emphasis.

Your A.A. or A.S. Degree May Transfer to all Colorado Public 4-Year Colleges and Universities (Statewide Transfer Articulation Agreements/Degrees with Designation)

The agreement among Colorado public colleges and universities guarantees that when you complete your A.A. or A.S. degree with at least 60 credit hours of GT Pathways (GT – Guaranteed Transfer) coursework and a grade of "C" or better in every course, your work will transfer to Colorado public colleges and universities.

If you complete the appropriate courses for your major, you may be able to finish your bachelor's degree in an additional 60 credits. The A.A./A.S. transfer agreement applies to courses completed at ACC; the transfer of credits from private, non-accredited, out-of-state institutions or the awarding of credit from non-credit bearing courses, or courses that are over 10 years old, or credit earned for prior learning, Advanced Placement, correspondence courses, CLEP and other tested-only credit, may transfer to the four-year school, but are not guaranteed to transfer. The institution you wish to transfer to will evaluate these credits according to its own policies; contact the four-year institution for more information. To finish within two years at Arapahoe Community College depends on the number of credits you take each semester, the course sequencing in your major and course availability. This agreement does not apply to Nursing, Teacher Education or Engineering. These majors have statewide articulations with specific lower division requirements.

Numerous Statewide Transfer Articulation Agreements/Degrees of Designation (DWD) exist, allowing certain A.A. and A.S. degrees in such areas as A.A. in Anthropology, Art History, Business, Communication, Criminal Justice, Economics, Early Childhood Teacher Education, English, Elementary Teacher Education, French, Geography, History, Music, Philosophy, Political Science, Psychology, Studio Art, Sociology, and Spanish and A.S. in Biology, Chemistry, Fermentation, Geology, Mathematics, Physics, and Psychology . Students who complete the prescribed curriculum and graduate with one of these A.A. or A.S. degrees of designation at ACC are guaranteed to complete the designated baccalaureate degree program at any public four-year college and university that offers that program within the minimum number of credits designated by

the Colorado Commission on Higher Education at https://highered.colorado.gov/Academics/Transfers/Students.html. Certain limitations and restrictions apply; contact the Advising Office for more information. Save time by seeing your Transfer Advisor as soon as possible for "transfer guides." The guides will show you which lower division courses are required for articulation programs. They will also show which lower division courses are best suited for your intended major and you can be sure to complete the prerequisites for sequenced coursework before transferring to a four-year school.

Great Books Program

ACC is honored to be one of only five community colleges in the University of Chicago's Great Books Consortium. The program encourages students to engage in conversation about the most influential ideas contained in western civilization's masterpieces of literature, history and philosophy.

In Great Books sections at least half the readings are by authors recognized by the Encyclopedia Britannica's great authors list as primary voices in their fields. For instance, in psychology, in addition to reading about the meaning of Sigmund Freud's dream symbolism, you might read some of Freud's own Interpretation of Dreams. In math you might read some of Newton's or Euclid's writings, while in Economics you might read from the work of the economist Thorsten Veblen.

If you complete four Great Books classes with a B or better in each class, you will receive a Great Books Achievement Certificate and be honored at the College's Arts and Letters Awards ceremony in the spring. Your certificate, like any other academic honor, can help you with transfer and eligibility for scholarships.

You can find out more about ACC's Great Books Program, faculty, and Student Club through ACC's Website at https://www.arapahoe.edu/academics-programs/resources/academic-experiences/great-books or by picking up a brochure at the College. Great Books classes are identified as such in the College Schedule of Courses

Certificate

The common goal of all occupational certificate programs is to prepare students for employment in specific occupations. Some programs consist of major courses as well as related general education courses. While many of these courses may transfer to a four-year College or university, the programs themselves do not have transferability as their primary goal. Students are encouraged to discuss career goals and educational objectives with an Advisor prior to enrolling in these programs. Courses numbered below 100 cannot be used to satisfy elective requirements for A.A.S. degrees.

Accounting Clerk Certificate

CIP 520302 (ACTC)

This certificate is designed to prepare students for an entry-level clerk position. Accounting clerks require solid interpersonal skills, proficiency with Excel, and basic accounting knowledge. They assist with data entry and processing of accounts payable and accounts receivable.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (13 credit hours)

- ACC 1015 - Payroll Accounting 3 Credits
- ACC 1021 - Accounting Principles I 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- CIS 1055 - Complete Spreadsheets: Excel 3 Credits

Restricted Electives (3 credit hours)

Choose 3 credits from the following prefixes: CIS, FIN, MAR

Total: 16 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Architectural Drafting Certificate

CIP 151303 (42AR)

The Architectural Drafting Certificate provides the educational background and basic technical training necessary for the student to seek employment within one of the area architecture firms. Students will be prepared for a variety of entry level positions that include Draftsperson or Computer Aided Design Technician. Refer to your catalog for basic skills assessment required for this program.

Any student who has an interest and feels he/she can profit from the program may enroll.

Admission Requirements

- Admission to Arapahoe Community College
- An interview is usually held by the program chairperson with the prospective student to determine the student's interest and desire and to discuss the purpose of the program with the student.

Program Requirements

Major Courses (25 credit hours)

- AEC 1250 - Architectural Design and Modeling 4 Credits
- AEC 1510 - Building Materials 3 Credits
- AEC 2220 - Architectural Graphics 3 Credits
- AEC 2411 - Applied Structural Analysis 3 Credits
- CAD 1101 - Computer Aided Drafting/2D I 3 Credits
- CAD 1102 - Computer Aided Drafting/2D II 3 Credits
- CAD 2402 - Computer Aided Drafting/Custom 3 Credits
- CAD 2220 - Revit® Architecture 3 Credits

Electives (3-4 credit hours)

- MAT 1340 - College Algebra: GT-MA1 4 Credits (recommended) **OR**
- MAT 1420 - College Trigonometry: GT-MA1 3 Credits **OR**

- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- or ART GT course AH1, AH2, AH3, AH4 or CAD or AEC courses

Total: 28-29 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Automotive Maintenance and Light Repair Certificate

CIP 470604 (4MLR)

This program is designed for those students who wish to be certified in basic entry skills as a service technician. This certificate will aid students in obtaining an entry level position at either a dealership or an independent repair facility. All entrance eligibility requirements for the certificate program are the same as the degree programs.

All tracks are filled on a first-come, first-served basis, dependent upon satisfactory MVR, criminal background checks, and drug screening.

Students wishing to pursue the two-year degree or the certificate programs must be signed into courses by the program director at the beginning of each semester to ensure that they are on track academically to graduate in the prescribed two-year period.

Classes for the corporate tracks will be filled with dealer sponsored students first. General program students may be allowed to fill any remaining seats. All students, regardless of their chosen track, should be aware of automotive repair industry expectations, specifically that technicians must drive customer's vehicles as part of the repair process; thus, the technician and the student must have a clean motor vehicle record and valid driver's license. The hiring process at reputable repair shops and dealerships will include a drug screen and a thorough background investigation.

Admission Requirements

- Admission to Arapahoe Community College

To be eligible for acceptance into the program, students must:

- pass an industry standard MVR, criminal, background, and urinalysis
- Please access the CertifiedBackground.com Web Site at http://cccs.castlebranch.com/

Program Requirements

Major Courses (7 credit hours)

- ASE 1001 - Auto Shop Orientation 2 Credits
- ASE 1003 - Auto Maintenance I 2 Credits
- ASE 2050 - Automatic Transmission/Transaxle Service 1 Credit
- ASE 1020 - Basic Automotive Electricity 2 Credits

Total: 7 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Automotive Service Management Certificate

CIP 470604 (ASM)

This program is designed as an apprenticeship program for those interested in a job as an automotive service writer/consultant. The academic courses may be taken prior to or in conjunction with the automotive courses. Dealerships are particularly interested in female service writers as women are under-represented in the automotive service field. All entrance eligibility requirements for the certificate program are the same as the degree programs.

All tracks are filled on a first-come, first-served basis, dependent upon satisfactory MVR, criminal background checks, and drug screening.

Students wishing to pursue the two-year degree or the certificate programs must be signed into courses by the program director at the beginning of each semester to ensure that they are on track academically to graduate in the prescribed two-year period. Classes for the corporate tracks will be filled with dealer sponsored students first. General program students may be allowed to fill any remaining seats. All students, regardless of their chosen track, should be aware of automotive repair industry expectations, specifically that technicians must drive customer's vehicles as part of the repair process; thus, the technician and the student must have a clean motor vehicle record and valid driver's license. The hiring process at reputable repair shops and dealerships will include a drug screen and a thorough background investigation.

Admission Requirements

- Admission to Arapahoe Community College

To be eligible for acceptance into the program, students must:

- pass an industry standard MVR, criminal, background, and urinalysis
- Please access the CertifiedBackground.com Web Site at http://cccs.castlebranch.com/

Program Requirements

Major Courses (46 credit hours)

- ASE 1001 - Auto Shop Orientation 2 Credits
- ASE 1010 - Automotive Brake Service I 2 Credits
- ASE 1011 - Automotive Brake Service II 2 Credits
- ASE 1020 - Basic Automotive Electricity 2 Credits
- ASE 1023 - Starting and Charging Systems 2 Credits
- ASE 1030 - General Engine Diagnosis 2 Credits
- ASE 1034 - Automotive Fuel and Emissions Systems I 2 Credits
- ASE 1040 - Suspension and Steering I 2 Credits
- ASE 1050 - Manual Drive Train and Axle Maintenance 2 Credits

- ASE 1060 - Automotive Engine Repair 2 Credits
- ASE 1091 - Automotive Engine Repair and Rebuild 4 Credits
- ASE 2020 - Specialized Electronics Training 2 Credits
- ASE 2192 - Automotive Computers and Ignition Systems 3 Credits
- ASE 2193 - Automotive Fuel Injection and Emissions Systems II 3 Credits
- ASE 2050 - Automatic Transmission/Transaxle Service 1 Credit
- ASE 2064 - Introduction to Automotive Heating and Air Conditioning 1 Credit
- COM 1150 - Public Speaking 3 Credits

OR

- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- BUS 1015 - Introduction to Business 3 Credits
- ENG 1021 - English Composition I: GT-CO1 3 Credits **OR**
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- MAN 2026 - Principles of Management 3 Credits

Total: 46 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Behavioral Health Assistant Certificate

CIP 511599 (ABHA)

The *Behavioral Health Assistant* micro-credential ensures students develop entry-level behavioral health knowledge and competencies. Upon completion of this coursework, they will be a Qualified Behavioral Health Assistant as outlined by the Behavioral Health Administration. The curriculum includes entry-level skills and foundational knowledge about behavioral health and wellness, intercultural competency, therapeutic communication, case management, and crisis intervention.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

Major Courses (10 credit hours)

- PTE 1010 - Introduction to Behavioral Healthcare and Wellness 3 Credits
- BEH 1001 - MHCI: Mental Health Crisis and Intervention: Preparedness and Empathy 3 Credits
- BEH 1030 - Case Management and Clinical Documentation 1 Credit
- BEH 2030 - Applied Therapeutic Communication Skills 3 Credits

Total: 10 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by

an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Behavioral Health Assistant II Certificate

CIP 511599 (ABH2)

The *Behavioral Health Assistant II* micro-credential builds upon the Assistant I micro-credential through service-learning experience and a deeper analysis and understanding of diversity. It ensures students have theoretical and experiential knowledge of behavioral health care and practice. Upon completion of this micro-credential, students will have experience applying many concepts and skills within diverse behavioral health settings. The curriculum includes behavioral health and wellness, intercultural competency and inclusive practice, therapeutic communication, crisis intervention, and service-learning experience.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

Major Courses (16 credit hours)

- PTE 1010 - Introduction to Behavioral Healthcare and Wellness 3 Credits
- BEH 1001 - MHCI: Mental Health Crisis and Intervention: Preparedness and Empathy 3 Credits
- BEH 1030 - Case Management and Clinical Documentation 1 Credit
- BEH 2030 - Applied Therapeutic Communication Skills 3 Credits
- SOC 2018 - Sociology of Diversity: GT-SS3 3 Credits
- SWK 1100 - Social Welfare and Community Agencies with Service Learning 3 Credits

Total: 16 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Behavioral Health Plus Certificate

CIP 511599 (ABHP)

The *Behavioral Health +* micro-credential is an effective addition to almost any role (Certified Nurse Aide, Medical Assistant, etc). It ensures students develop foundational behavioral health knowledge as well as entry-level crisis management and de-escalation skills, which can be applied in a variety of settings.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

Major Courses (6 credit hours)

- PTE 1010 - Introduction to Behavioral Healthcare and Wellness 3 Credits
- BEH 1001 - MHCI: Mental Health Crisis and Intervention: Preparedness and Empathy 3 Credits

Total: 6 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Bookkeeping Certificate

CIP 520302 (BKK)

This certificate is designed to prepare students for bookkeeping positions within accounting firms or large companies. Bookkeepers require proficiency with Excel and QuickBooks, solid interpersonal skills, and basic accounting knowledge. They perform tasks such as processing accounts payable and accounts receivable, inventory, reconciling bank statements, and payroll processing.

Admission Requirements

- Application to Arapahoe Community College

Program Requirements

Major Courses (26 credit hours)

- ACC 1015 - Payroll Accounting 3 Credits
- ACC 1021 - Accounting Principles I 4 Credits
- ACC 1022 - Accounting Principles II 4 Credits
- ACC 1035 - Spreadsheet Application for Accounting 3 Credits
- ACC 2035 - Computerized Accounting for Small Business 3 Credits
- BUS 1015 - Introduction to Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- CIS 1055 - Complete Spreadsheets: Excel 3 Credits

Restricted Electives (3 credit hours)

Choose 3 credits from the following prefixes: ACC, BTE, BUS, CIS, FIN, MAN, MAR

Total: 29 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Broadband Customer Care Certificate

CIP 110901 (4CCC)

Need a faster route to improved skills for your career in the Broadband or Telecommunications industry? The Broadband Customer Care certificate

program was designed by Arapahoe Community College and NCTI to provide a degree path for professionals in the broadband industry, and is available ONLY to NCTI participants.

Admissions Requirements

- Admission to Arapahoe Community College
- This degree program is accessible ONLY to NCTI participants (current students with NCTI)

Program Requirements

Major Courses (22 Credit Hours)

- BUS 1017 - Business Writing 1 Credit
- CTC 1008 - Cable Network Overview 1 Credit
- CTC 1021 - Delivering Cable Services 3 Credits
- CTC 1023 - Basic Troubleshooting of Broadband Technology 3 Credits
- CTC 1025 - High-Speed Data Customer Service 2 Credits
- CTC 1026 - Advanced High-Speed Data Customer Service 3 Credits
- MAN 2012 - Negotiation and Conflict Resolution 3 Credits
- MAR 1011 - Principles of Sales 3 Credits
- MAR 2035 - Consumer Behavior 3 Credits

Total: 22 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Broadband Leadership Certificate

CIP 110101 (4E22)

Develop the skills that prepare you to be effective leaders and candidates for promotion in the broadband and telecom industry. With an emphasis in leadership, communication, and management, graduates of this certificate will be well-suited to manage those who install, repair and service cable modems and telephony and digital video equipment, as well as those who build and maintain broadband networks.

Admissions Requirements

- Admission to Arapahoe Community College
- This degree program is accessible ONLY to NCTI participants (current students with NCTI)

Program Requirements

Major Courses (15 Credit Hours)

- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits
- COM 2300 - Intercultural Communication: GT-SS3 3 Credits
- MAN 1016 - Principles of Supervision 3 Credits
- MAN 2024 - Leadership 3 Credits
- MAN 2026 - Principles of Management 3 Credits

Total: 15 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal equirement to ensure that ACC receives certain federal funding.

Broadband Technology Certificate

CIP 110901 (4E32)

Need a faster route to improved skills for your career in the Broadband or Telecommunications industry? The Broadband Technology certificate program was designed by Arapahoe Community College and NCTI to provide a degree path for professionals in the broadband industry, and is available ONLY to NCTI participants.

Admissions Requirements

- Admission to Arapahoe Community College
- This degree program is accessible ONLY to NCTI participants (current students with NCTI)

Program Requirements

Major Courses (26 Credit Hours)

- CTC 1007 - Installer 3 Credits
- CTC 1009 - Installer Technician 4 Credits
- CTC 1011 - Service Technician 4 Credits
- CTC 1013 - System Technician 4 Credits
- CTC 1027 - Testing and Maintenance for Fiber Technicians 2 Credits
- CTC 1028 - Fiber Installation and Activation 2 Credits
- CTC 1029 - Digital Technician 3 Credits
- CTC 1065 - Advanced Technician 4 Credits

Total: 26 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Building Controls Technology Certificate

CIP 460401 (BCTH)

The Building Controls Technology program is focused on training students to maintain, install, and troubleshoot essential systems in modern buildings. The curriculum covers a wide range of topics including DC/AC electricity, industrial wiring, control systems, construction materials and systems, and building environmental systems. Students will learn to install, repair, and maintain a building's computer-controlled mechanical and electrical systems, including its heating, ventilation, and air conditioning (HVAC), lighting, energy management systems and related components. The program has been designed in partnership with the Building Owners and Managers Association (BOMA) with the goal to train a skilled workforce to

help fill the labor shortage in this high-demand career field.

Admission Requirements

Admission to Arapahoe Community College

Program Requirements

Required Courses (27 Credits)

- MAT 1150 - Technical Mathematics 4 Credits
- AEC 1520 - Construction Materials and Systems 3 Credits
- AEC 2520 - Building Environmental Systems I 3 Credits
- ELT 1206 - Fundamentals of DC/AC 4 Credits
- ELT 2252 - Motors & Controls 3 credits
- ELT 2254 - Industrial Wiring 3 credits
- HVA 2059 - Commercial HVAC System Design 4 Credits
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits

Total: 27 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Business Administration Certificate

CIP 520201 (BUSB)

The Business Administration certificate offer opportunities for students to add a wide range of business related courses to their expertise in order to advance in their jobs, to enhance skills needed in the workforce sectors, and to excel in endeavors involving self-employment and entrepreneurship.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (12 credit hours)

- BUS 1015 - Introduction to Business 3 Credits
- BUS 2016 - Legal Environment of Business 3 Credits
- BUS 2017 - Business Communication and Report Writing 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits

> *Choose 12 credits from an area of interest from the following prefixes:* ACC, BUS, ENP, FIN, MAN, MAR or other with Department Chair Approval.

Total: 24 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.

- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Comprehensive Higher Education Certificate

CIP 300001 (CHEC)

The Comprehensive Higher Education Certificate is offered for students participating in Elevate at ACC. Elevate at ACC was established to provide inclusive higher education for students with intellectual and developmental disabilities (I/DD) to foster academic growth, prepare for gainful employment, develop needed skills for independent living & engage socially with the broader campus community.

With the Comprehensive Higher Education Certificate, students that complete the Elevate at ACC program will earn a modified certificate of completion and develop essential occupational and life skills. The program is designed to be a progression of fully-inclusive academic access, outcome-focused vocational preparation, student-centered personal development and naturally-supported student engagement over the course of three years with some flexibility determined by student goals and success. This Certificate program will be highly individualized based upon students' vocational aspirations as aligned with ACC coursework and experience.

Admission Requirements

- Admission to Arapahoe Community College
- The applicant must have a documented intellectual or developmental disability that interferes with their academic performance.
- Complete and return the Elevate at ACC Application Packet to the Disability Access Services Office by deadline listed on Elevate at ACC web page.
- Basic Application Document
- Documentation of intellectual or developmental disability
- Applicant Essay
- Two Letters of Recommendation (one personal and one professional)
- Complete an admissions interview. (Elevate staff will contact eligible applicants to schedule.)
- Complete the Supplemental Information Packet and bring to interview.
- Participate in an Elevate at ACC Full Day Experience

Program Requirements

Required Courses (18 credit hours)

- AAA 1001 - College 101: The Student Experience 1 Credit
- AAA 1009 - Advanced Academic Achievement 3 Credits
- ENG 0092 - English 5 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- MAR 1006 - Marketing Your Image 3 Credits
- COM 1250 - Interpersonal Communication:GT-SS3 3 Credits

Major Courses (18 credit hours)

Upon acceptance into the Elevate at ACC program, student will meet with an Elevate

staff advisor to determine an appropriate individualized academic plan in alignment with the student's vocational outcome. 18 credit hours will be spent in courses dedicated to gaining competencies for employment in their desired field.

Total: 36 Credit Hours

Graduation Requirements

- Students must complete each course with satisfactory academic progress as determined by their individualized academic plans and Elevate staff advisor.
- To graduate, students must apply for graduation online at www.arapahoe.edu/graduation.
- After applying for graduation, all correspondence to a student about the status of their program conferral will be sent to their student email address only.

Computer Aided Drafting - Architecture, Certificate

CIP 151302 (4ACR)

The Computer Aided Drafting certificate prepares students for advanced levels of Computer Aided Design (CAD) within industry, utilizing the latest hardware and software releases. The certificate can be completed within one year. This certificate prepares students to perform 2D and 3D design within CAD and other CAD-related software.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (13 credit hours)

- AEC 1200 - Print Reading Residential/Commercial 3 Credits
- CAD 2220 - Revit® Architecture 3 Credits
- CAD 2221 - Advanced Revit Architecture 3 Credits
- CAD 2694 - 3D Scanning and Modeling 4 Credits

Elective Courses (3 Credits)

Choose one of the following:

- CAD 1110 - SketchUp 3 Credits **OR**
- CAD 2660 - 3D Printing/Additive Manufacturing 3 Credits

Total: 16 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Aided Drafting - Interior Design, Certificate

CIP 151302 (4ANI)

The Computer Aided Drafting Certificate prepares students for advanced levels of Computer Aided Design (CAD) within industry, utilizing the latest hardware and software releases. The certificate can be completed within one year. This certificate prepares students to perform 2D and 3D

design within CAD and other CAD-related software.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (17 credit hours)

- CAD 1105 - AutoCAD for Interiors 4 Credits
- CAD 1110 - SketchUp 3 Credits
- CAD 2220 - Revit® Architecture 3 Credits
- IND 2200 - Drafting for Interiors 4 Credits
- MGD 1011 - Adobe Photoshop I 3 Credits

Elective Courses (3 Credits)

- CAD 2210 - Advanced Sketchup 3 Credits
- CAD 2221 - Advanced Revit Architecture 3 Credits

Total: 20 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Graphics Certificate

CIP 500409 (GRD2)

The courses in this certificate focus on the major software packages of the Adobe Creative Suite, with an emphasis on web and print packages. An additional restricted elective allows for the exploration in a variety of media, including video, 3D animation, and advanced topics. Students who wish to pursue a career in design are urged to obtain the Associate of Applied Science Degree in Multimedia, Graphic Design and Illustration. If students choose to continue their education, all major courses and a number of restricted electives in this Certificate can be applied to the Associate Degree.

Admission Requirements

- Admission to Arapahoe Community College
- Proficiency with Macintosh operations is required for classes in MGD labs. Students without these skills must enroll in either MGD 1001 or MGD 1002 prior to taking other MGD computer classes.
- Typing and basic math skills are also highly recommended.

Program Requirements

Major Courses (15 credit hours)

- MGD 1011 - Adobe Photoshop I 3 Credits
- MGD 1012 - Adobe Illustrator I 3 Credits
- MGD 1013 - Adobe InDesign 3 Credits
- MGD 1041 - Web Design I 3 Credits
- MGD 1043 - Motion Graphic Design I: (Software) 3 Credits

Elective Courses (3 credit hours)

Select one course from the following:

- MGD 1001 - Introduction to Computer Graphics 3 Credits
- MGD 1002 - Introduction to Multimedia 3 Credits
- MGD 1053 - 3-D Animation I 3 Credits
- MGD 1064 - Digital Video Editing I 3 Credits
- MGD 2011 - Adobe Photoshop II 3 Credits
- MGD 2012 - Adobe Illustrator II 3 Credits
- MGD 2041 - Web Design II 3 Credits
- MGD 2043 - Web Motion Graphic Design II 3 Credits
- MGD 2075 - Special Topics 1-6 Variable Credits

Total: 18 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Information Systems Certificate

CIP 110101 (CIS1)

The CIS certificate has been constructed to provide the prospective student with skills in a broad variety of topics. With knowledge of accounting, management, marketing, office software, databases and economics, the recipient is prepared for a wide variety of entry-level positions within many different industries.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (6 credit hours)

- CNG 1024 - Networking I: Network+ 3 Credits
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits

Required Courses (12 Credit Hours)

Select a minimum of 12 credit hours from course offerings below. (At least 10 credit hours must be from CIS, CNG or CSC prefixes).

- CIS 1015 - Introduction to Computer Information Systems 3 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- CIS 1035 - Complete Word Processing (software package) 3 Credits
- CIS 1045 - Introduction to Desktop Database 3 Credits
- CIS 1055 - Complete Spreadsheets: Excel 3 Credits
- CIS 2002 - Automated Project Management 3 Credits
- CIS 2020 - Fundamentals of UNIX 3 Credits
- CIS 2040 - Database Design and Development 3 Credits
- CIS 2068 - Systems Analysis and Design I 3 Credits
- CNG 1032 - Network Security Fundamentals 3 Credits

- CNG 1042 - Introduction to Cloud Computing 3 Credits
- CNG 2011 - Windows Configuration: (OS) 3 Credits
- CNG 2012 - Configuring Windows Server 4 Credits
- CNG 1025 - Networking II: Network+ 3 Credits
- CSC 1060 - Computer Science I (Language) 4 Credits
- ACC 1021 - Accounting Principles I 4 Credits
- ACC 1022 - Accounting Principles II 4 Credits
- BUS 1015 - Introduction to Business 3 Credits
- ECO 2001 - Principles of Macroeconomics: GT-SS1 3 Credits
- ECO 2002 - Principles of Microeconomics: GT-SS1 3 Credits
- MAN 2026 - Principles of Management 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits
- MAT 1400 - Survey of Calculus: GT-MA1 4 Credits

Total: 18 Credit Hours

Graduation Requirements

- A minimum of 10 credit hours in the Major must be from CIS, CNG or CSC prefixes.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Network Technology Certificate

CIP 110901 (4NCC)

This certificate is specifically designed to prepare students as entry-level networking professionals. Students are encouraged to take the associated industry certification exams.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (9 Credit Hours)

- CNG 1024 - Networking I: Network+ 3 Credits
- CNG 1025 - Networking II: Network+ 3 Credits
- CNG 1042 - Introduction to Cloud Computing 3 Credits

Elective Courses (9 Credit Hours)

Students must choose 9 credit hours from the following:

- CNG 1020 - A+ Certification Preparation 4 Credits
- CNG 1021 - Computer Technician I: A+ 4 Credits
- CNG 1022 - Computer Technician II: A+ 4 Credits
- CNG 1032 - Network Security Fundamentals 3 Credits
- CNG 1036 - Guide to IT Disaster Recovery 3 Credits
- CNG 2009 - MS Server Active Directory Configuration 4 Credits

- CNG 2011 - Windows Configuration: (OS) 3 Credits
- CNG 2012 - Configuring Windows Server 4 Credits
- CNG 2013 - Administering Windows Server 4 Credits
- CNG 2024 - Microsoft Windows Wireless Network 3 Credits
- CNG 2053 - Firewalls and How They Work 3 Credits
- CNG 2057 - Network Defense and Counter Measures 3 Credits
- CNG 2058 - Digital Forensics 4 Credits
- CNG 2063 - CISCO Network Associate IV 5 Credits
- CIS 1018 - Introduction to PC Applications 3 Credits
- CIS 2020 - Fundamentals of UNIX 3 Credits
- CIS 2032 - Unix Shell Programming 3 Credits
- CSC 1019 - Introduction to Programming: (Programming Language) 3 Credits
- CSC 1026 - Game Design and Development 3 Credits

Total: 18 Credit Hours

NOTE: *Students interested in taking one of the certification exams need to meet with a Computer Network Technology Advisor to choose the correct sequence of classes. Please call 303.797.5252 for more information.*

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Computer Technician Certificate

CIP 111006 (4CTC)

The Computer Technician program prepares individuals for entry-level jobs in the personal computer industry involving the installation, upgrading and servicing of personal computer systems and computer networks. Three common examples of positions in which a graduate of this program might be employed are retail computer store technician, field service technician for a computer/network systems reseller and in-house computer/network technician for a large company.

Students in this program gain extensive experience with computer hardware, software and networks. Upon successful completion of the program, the student is prepared to take the CompTIA A+ certification exam, the competency standard for service technicians in the computer industry.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (27 credit hours)

- CIS 1018 - Introduction to PC Applications 3 Credits *
- CIS 1024 - Intro to Operating Systems 3 Credits
- CNG 1020 - A+ Certification Preparation 4 Credits

- CNG 1021 - Computer Technician I: A+ 4 Credits
- CNG 1022 - Computer Technician II: A+ 4 Credits
- CNG 1024 - Networking I: Network+ 3 Credits
- CNG 1025 - Networking II: Network+ 3 Credits
- CNG 2011 - Windows Configuration: (OS) 3 Credits **

Note(s):

**Students may substitute any of the following courses for* CIS 1018: CIS 1035, CIS 1061, CIS 1045 *and* CIS 1055.
***Students may substitute the following course for* CNG 2011: CIS 128

Total: 27 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Construction Management - Estimating Certificate

CIP 460415 (4ECC)

The Construction Estimating program introduces students to residential and commercial print reading, covering the interpretation and reading of construction prints and related documents as used within the building trades industry. This certificate also covers construction estimating. Students will develop skills in estimating the amount and cost of various constructions and will demonstrate these skills by making estimates of materials, labor quantities, and the cost of representative types of construction.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (4 credit hours)

- MAT 1150 - Technical Mathematics 4 Credits

Major Courses (12 credit hours)

- AEC 1200 - Print Reading Residential/Commercial 3 Credits
- AEC 1510 - Building Materials 3 Credits
- AEC 2610 - Construction Estimating 3 Credits
- AEC 2611 - Estimating II: Cost Analysis 3 Credits

Total: 16 Credit Hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Construction Management Fundamentals Certificate

CIP 460000 (C1MF)

The Construction Management Fundamentals certificate introduces students to residential and commercial print reading, covering the interpretation and reading of construction prints and related documents as used within the building trades industry. This certificate also covers basic construction estimating. Students will develop skills in estimating the amount and cost of various constructions and will demonstrate these skills by making estimates of materials and labor quantities and the cost of representative types of construction.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

General Education Courses (3 credit hours)

- ENG 1031 - Technical Writing I: GT-CO1 3 Credits

Major Courses (18 credit hours)

- AEC 1200 - Print Reading Residential/Commercial 3 Credits
- AEC 1510 - Building Materials 3 Credits
- AEC 2520 - Building Environmental Systems I 3 Credits
- AEC 2610 - Construction Estimating 3 Credits
- AEC 2630 - Construction Scheduling 3 Credits
- AEC 2700 - International Building Codes 3 Credits

Restricted Elective Courses (3 credit hours)

Choose 3 Credits from the following courses:

- AEC 2640 - Contracts and The Legal Environment 3 Credits **OR**
- AEC 2080 - Internship 3 Credits **OR**
- CAD 2220 - Revit® Architecture 3 Credits

Total: 24 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Cosmetology Certificate

CIP 120401 (COS1)

This two-year program is designed to teach students theory, hair care techniques including cuts, color, perms, and styling; nail technology and skin care. Students will be prepared to earn certificates in Cosmetology, and will be prepared for entry-level positions in the cosmetology industry.

Admission Requirements

- Admission to Arapahoe Community College

- This certificate is only available to high school students enrolled in Concurrent Enrollment programming offered at Colorado's Finest School of Choice and Highlands Ranch High School.

Program Requirements

Major Courses

- COS 1003 - Introduction to Hair and Scalp 1 Credit
- COS 1010 - Introduction to Hair Coloring 2 Credits
- COS 1011 - Intermediate: Hair Coloring 2 Credits
- COS 1020 - Introduction to Haircutting 2 Credits
- COS 1021 - Intermediate I: Haircutting 2 Credits
- COS 1030 - Introduction to Hairstyling 2 Credits
- COS 1031 - Intermediate I: Hairstyling 2 Credits
- COS 1040 - Introduction to Chemical Texture 1 Credit
- COS 1041 - Intermediate I: Chemical Texture 1 Credit
- COS 1050 - Laws, Rules and Regulations 1 Credit
- COS 2003 - Intermediate I: Hair and Scalp 1 Credit
- COS 2010 - Intermediate II: Haircoloring 2 Credits
- COS 2011 - Advanced Haircoloring 2 Credits
- COS 2020 - Intermediate II: Haircutting 2 Credits
- COS 2021 - Advanced Haircutting 2 Credits
- COS 2030 - Intermediate II: Hairstyling 2 Credits
- COS 2031 - Advanced Hairstyling 1 Credit
- COS 2040 - Intermediate II: Chemical Texture 1 Credit
- COS 2041 - Advanced Chemical Texture 1 Credit
- COS 2050 - Management, Ethics, Interpersonal Skills & Salesmanship 1 Credit
- COS 2061 - Advanced Infection Control and Prevention 1 Credit
- EST 1010 - Introduction to Skin Care 3 Credits
- EST 1011 - Intermediate Skin Care 2 Credits
- EST 2010 - Advanced Skin Care 2 Credits
- EST 2011 - Make-up for Skin Care Professionals 1 Credit
- EST 2012 - Hair Removal 3 Credits
- NAT 1008 - Introduction to Manicures, Pedicures, and Artificial Nails 3 Credits
- NAT 1058 - Intermediate Manicuring, Pedicures, and Artificial Nails 2 Credits
- NAT 1059 - Intermediate Manicuring, Pedicures, and Artificial Nails II 2 Credits
- NAT 2008 - Advanced Manicuring, Pedicures, and Artificial Nails 4 Credits

Total: 54 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Digital Marketing Certificate

CIP 520201 BADM

The Digital Marketing Certificate is intended to give students a foundation of business and marketing and to focus on strategies for digital marketing and applying these for meeting business goals. The certificate will also focus on measuring and analyzing applicable strategies using social media and digital analytics, employing these concepts to plan a marketing campaign. The certificate will provide students with digital marketing concepts such as digital analytics, social media marketing and digital marketing.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (18 Credit Hours)

- BUS 1015 - Introduction to Business 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits
- MAR 1055 - Social Media for Business 3 Credits
- MAR 2055 - Digital Marketing 3 Credits
- BUS 1020 - Introduction to E-Commerce 3 Credits

OR MAR 2035 - Consumer Behavior

- MAR 2660 - Marketing Analytics 3 Credits

Total Hours: 18 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Early Childhood Assistant Teacher Certificate

CIP 131210 (EAT1)

Early Childhood Assistant Teacher Certificate. Want to make a difference in a young child's life? Consider the field of Early Childhood Education. Research supports the importance of high quality, early childhood programs which impact children's development throughout their school years and on into adult life. One of the most importance influences is the teacher.

Arapahoe Community College and the Early Childhood Education program faculty are committed to prepare professionals to work with young children, birth through age 8 in a variety of settings. The Early Childhood Assistant Teacher Certificate will prepare students for early childhood teacher positions in early childhood care and education settings. Upon completion of these classes, you will have met academic requirements as an Early Childhood Assistant Teacher.

All Early Childhood and general education coursework must be completed with a grade of "C" or better.

Admission Requirements

- Admission to Arapahoe Community College
- Completion of a basic background check is required for all students entering this certificate. The process is completed online with an associated cost. Contact Castle Branch.

Program Requirements

Major Courses (6 credit hours)

- ECE 1011 - Introduction to Early Childhood Education 3 Credits **OR**
- ECE 1031 - Guidance Strategies for Young Children 3 Credits
- ECE - Elective Course of Choice 3 Credits

Total: 6 credit hours

Graduation Requirements

- All Early Childhood and general education coursework must be completed with a grade of "C" or better.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Early Childhood Director Certificate

CIP 131210 (DIRE)

Want to make a difference in a young child's life? Consider the field of Early Childhood Education. Research supports the importance of high quality, early childhood programs which impact children's development throughout their school years and on into adult life. One of the most important influences is the teacher.

Arapahoe Community College and the Early Childhood Education program faculty are committed te prepare professionals to work with young children, birth through age 8, in a variety of settings. The Early Childhood Director Certificate will prepare students for early childhood director positions in early childhood care and education settings. Upon completion of these classes, you will have met academic requirements as an Early Childhood Director. In addition to the academic requirements, the Colorado Department of Human Services requires at least six months (910 hours) of verifiable work experience.

All Early Childhood and general education coursework must be completed with a grade of "C" or better.

Admission Requirements

- Admission to Arapahoe Community College
- Completion of an FBI background check is required for all students entering the program. The process is completed online with an associated cost. Contact Castle Branch

Program Requirements

Major Courses (30 credit hours)

- ECE 1011 - Introduction to Early Childhood Education 3 Credits
- ECE 1045 - Introduction to Early Childhood Techniques 3 Credits

- ECE 1031 - Guidance Strategies for Young Children 3 Credits
- ECE 1111 - Infant and Toddler Theory and Practice 3 Credits
- ECE 2051 - Nutrition, Health and Safety 3 Credits
- ECE 2621 - Curriculum Development: Methods and Techniques 3 Credits
- ECE 2381 - Child Growth and Development 3 Credits
- ECE 2401 - Administration of Early Childhood Care and Education Programs 3 Credits
- ECE 2411 - Administration: Human Relations for Early Childhood Professions 3 Credits
- ECE 2601 - The Exceptional Child 3 Credits

Total: 30 credit hours

Graduation Requirements

- All Early Childhood and general education coursework must be completed with a grade of "C" or better.
- Apply for graduation online at www.arapahoe.edu/graduation)
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Early Childhood Infant/Toddler Supervisor Certificate

CIP 131210 (ECI1)

Want to make a difference in a young child's life? Consider the field of Early Childhood Education. Research supports the importance of high quality, early childhood programs which impact children's development throughout their school years and on into adult life. One of the most important influences is the teacher.

Arapahoe Community College and the Early Childhood Education program faculty are committed to prepare professionals to work with young children, birth through age 8, in a variety of settings. The Early Childhood Infant/Toddler Supervisor Certificate will prepare students for early childhood teacher positions in early childhood care and education settings, with an emphasis on caring for infants and toddlers. Upon completion of these classes, you will have met academic requirements as an Early Childhood Teacher and an Infant Nursery Supervisor. In addition to the academic requirements, the Colorado Department of Human Services requires at least nine months (1365 hours) of verifiable work experience.

All Early Childhood and general education coursework must be completed with a grade of "C" or better.

Admission Requirements

- Admission to Arapahoe Community College
- Completion of an FBI background check is required for all students entering the program. This process is completed online with an associated cost. Contact Castle Branch.

Program Requirements

Major Courses (15 credit hours)

- ECE 1011 - Introduction to Early Childhood Education 3 Credits

- ECE 1031 - Guidance Strategies for Young Children 3 Credits
- ECE 1111 - Infant and Toddler Theory and Practice 3 Credits
- ECE 1125 - Intro to Infant\Toddler Lab Techniques 3 Credits
- ECE 2381 - Child Growth and Development 3 Credits

Total: 15 Credit Hours

Graduation Requirements

- All Early Childhood and general education coursework must be completed with a grade of "C" or better.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Early Childhood Teacher Certificate

CIP 131210 (ECTE)

Want to make a difference in a young child's life? Consider the field of Early Childhood Education. Research supports the importance of high quality, early childhood programs which impact children's development throughout their school years and on into adult life. One of the most important influences is the teacher.

Arapahoe Community College and the Early Childhood Education program faculty are committed to prepare professionals to work with young children, birth through age 8, in a variety of settings. The Early Childhood Teacher Certificate will prepare students for early childhood teacher positions in early childhood care and education settings. Upon completion of these classes, you will have met academic requirements as an Early Childhood Teacher. In addition to the academic requirements, the Colorado Department of Human Services requires at least three months (455 hours) of verifiable work experience. All Early Childhood and general education coursework must be completed with a grade of "C" or better.

Admission Requirements

- Admission to Arapahoe Community College
- Completion of a FBI background check is required for all students entering the program. this process is completed online with an associated cost. Contact Castle Branch.

Program Requirements

Major Courses (18 credit hours)

- ECE 1011 - Introduction to Early Childhood Education 3 Credits
- ECE 1045 - Introduction to Early Childhood Techniques 3 Credits
- ECE 1031 - Guidance Strategies for Young Children 3 Credits
- ECE 2621 - Curriculum Development: Methods and Techniques 3 Credits
- ECE 2381 - Child Growth and Development 3 Credits

Restricted Electives

Choose one three-credit elective from the following:

- ECE 2601 - The Exceptional Child 3 Credits
- ECE 2051 - Nutrition, Health and Safety 3 Credits
- ECE 1111 - Infant and Toddler Theory and Practice 3 Credits

Total: 18 credit hours

Graduation Requirements

- All Early Childhood and general education coursework must be completed with a grade of "C" or better.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding

EMT Certificate

CIP 510904 (EMC)

This 12-credit hour certificate program provides the basic skills to work ambulance, apply for firefighting positions, work as an EMT in emergency departments and work ski patrols. EMS 1021, EMS 1022, EMS 1023, EMS 1024, and EMS 1070 satisfies the state requirements for EMT Certification. Those who successfully complete EMS 1021, EMS 1022, EMS 1023, EMS 1024, and EMS 1070 will be eligible to take both the National Registry Practical and Written Examinations. Successful completion of these exams is required for certification in the State of Colorado. EMS 1070 - EMT Clinical is the course in which the student will complete approximately 24 hours of clinical experiences in emergency departments and on fire rescue and ambulance.

Accreditation of this program is through the Colorado Department of Health, Emergency Medical Services Division. This agency may be reached at 4300 Cherry Creek Drive South, Denver, CO 80222-1530. Telephone: 303.692.2980.

Call the School office for program guides 303.797.5213.

All students enrolled in this program are encouraged to apply for graduation upon completion of the program.

Admission Requirements

- Minimum of 17 years of age prior to the start of the Clinical Rotations (EMS 1070).
- Students under the age of 18 will be required to obtain parent or guardian signatures prior to completing their Clinical Rotations. Students are not eligible for Colorado State Certification until they are 18 years of age.
- A current Basic Life Support/BLS Card recognized by the State of Colorado. The BLS Card should be healthcare provider level
- Read and sign the Functional Position Description - EMS Provider document.

Program Requirements

Major Courses (12 credit hours)

- EMS 1021 - EMT Fundamentals 3 Credits
- EMS 1022 - EMT Medical Emergencies 4 Credits
- EMS 1023 - EMT Trauma Emergencies 2 Credits
- EMS 1024 - EMT Special Considerations 2 Credits

- EMS 1070 - EMT Clinical 1 Credit

Total: 12 Credit Hours

Graduation Requirements

- All courses required for this program must be completed with a "C" or better.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Professional Licensing Disclosure

Students enrolling or continuing at Arapahoe Community College (ACC) have a right to certain information that the college is required by law to provide. As a student applying for or attending the Emergency Medical Technician (EMT) Program you have the right to know it meets the certification criteria for Colorado. It is possible that the degree/certificate may count toward licensing or certification in states other than Colorado. If you are planning to seek professional certification or licensure, it is strongly recommended that you contact the appropriate entity in the state in which you are located or plan to locate in order to seek information and guidance regarding licensure or certification requirements before you begin this program. This program meets the applicable state prerequisites for licensure or certification in Colorado as listed below:

Colorado Department of Public Health & Environment
National Registry of Emergency Medical Technicians (NREMT)

ACC has not determined if the Emergency Medical Technician (EMT) Program meets applicable state prerequisites for licensure or certification in states other than Colorado. Other states include (Alabama, Alaska, Arizona, Arkansas, California, Connecticut, District of Columbia, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming and U.S. Territories: American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands).

Esthetics Certificate

CIP120401 (CEST)

The Esthetics Certificate program provides the necessary requirements to be eligible to take the Esthetics licensing test through the Colorado Department of Regulatory Agencies (DORA). The program prepares students to work in a salon, spa, on movie sets, free-lance artistry or medical offices. Students gain the skills to provide services such as skin cleansing, facials, microdermabrasion, chemical peels, hair removal, advanced treatments, make up applications, safety, sanitation and product recommendations.

Admission Requirements

- Admission to Arapahoe Community College
- This certificate is accessible only to Colorado's Finest High School Participants (current students with Colorado's Finest High School)

Program Requirements

Major Courses (20 credit hours)

- EST 1010 - Introduction to Skin Care 3 Credits
- EST 1011 - Intermediate Skin Care 2 Credits
- EST 2011 - Make-up for Skin Care Professionals 1 Credit
- EST 2012 - Hair Removal 3 Credits
- EST 1060 - Introduction to Disinfection, Sanitation & Safety 2 Credits
- EST 1061 - Intermediate Disinfection, Sanitation & Safety 3 Credits
- EST 2010 - Advanced Skin Care 2 Credits
- EST 2060 - Advanced Disinfection, Sanitation & Safety 2 Credits
- COS 2050 - Management, Ethics, Interpersonal Skills & Salesmanship 1 Credit
- COS 1050 - Laws, Rules and Regulations 1 Credit

Total: 20 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

General Education Essential Skills Certificate

CIP 240101 (ESSK)

The General Education Essential Skills Certificate is a stackable certificate designed for students who plan to complete a two-year Associate of Arts or Associate of Science degree and transfer to a four-year institution. By completing the General Education Essential Skills Certificate, students will have met the Colorado Department of Higher Education General Education Curriculum. The General Education Essential Skills Certificate is not a stand-alone certificate; only stackable when pursing an Associate of Arts, Associate of Science, or an Associate of General Studies degree.

The certificate is not eligible for financial aid.

Admission Requirements

- Admission to Arapahoe Community College
- Must be concurrently registered in an Associate of Arts, Associate of Science, or an Associate of General Studies degree
- Qualifying students should consult with an advisor regarding required paperwork and the timeline for certificate conferral

Program Requirements

General Education Courses (31 credit hours)

Written Communication (6 credits)

- ENG 1021 - English Composition I: GT-CO1 3 Credits OR ENG 1031 - Technical Writing I: GT-CO1
- ENG 1022 - English Composition II: GT-CO2 3 Credits

Mathematics (3 credit hours)

- MAT 1240 - Mathematics for Liberal Arts: GT-MA1 4 Credits OR higher
  Any Guaranteed Transfer Math course, except MAT 1220 and MAT 1230

Natural and Physical Sciences (7 credit hours)

- GT - Two Guaranteed Transfer courses from Natural and Physical Sciences, including at least one course with laboratory (GT-SC1 or GT-SC2)

Arts and Humanities (6 credit hours)

- GT- Two Guaranteed Transfer Arts & Humanities courses (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)

History (3 credit hours)

- GT - One Guaranteed Transfer History course (GT-HI1)

Social and Behavioral Science (3 credit hours)

- GT - One Guaranteed Transfer Social & Behavioral Science course (GT-SS1, GT-SS2, GT-SS3)

Elective (3 credit hours)

- GT - One Guaranteed Transfer Arts & Humanities / Social & Behavioral Science / History course (GT-AH1, GT-AH2, GT-AH3, GT-AH4, GT-SS1, GT-SS2, GT-SS3, or GT-HI1)

Graduation Requirements

- All courses required for this certificate must be completed with a grade of "C" or better.
- Students must have a cumulative GPA of 2.0 or higher.
- Students must complete a graduation application.

Law Enforcement Academy Certificate

CIP 430107 (LEA)

The Law Enforcement Academy is a P.O.S.T. (Peace Officer Standards and Training) certified program accredited through the Colorado P.O.S.T. Board. The Law Enforcement Academy is basic training for law enforcement officers and enables graduates to take the P.O.S.T. certification test to become certified as peace officers in Colorado. The ACC Academy program consists of 40 semester credit hours consisting of 700+ contact hours involving lecture, practical exercises, skills training and fitness. This program exceeds the hours required by P.O.S.T. for a Basic Law Enforcement Academy and includes the P.O.S.T. written exam following graduation.

Students must possess current CPR and First Aid Certifications (included in the program) in order to sit for the P.O.S.T. exam. Due to the Intensity and format of the classes in the academy no electives are required or recommended during the Academy program.

Admission Requirements

- Admission to Arapahoe Community College

The Law Enforcement Academy requires an additional application process, including but not limited to:

- a personal advising interview with a member of the Academy staff
- a criminal background check prior to acceptance and enrollment
- A High School Diploma, G.E.D or equivalent
- Current and valid Colorado driver's license.
- ENG 121 or higher or assessed to be at college-level English (see Student Resources and Services - Assessment in this Catalog)
- Ability to legally possess firearms
- No criminal history of any Felonies or any Misdemeanor specified in 24-31-305(1.5) (b) through (h), C.R.S.

For more information, please contact the Law Enforcement Academy Program in Room N1170 or at 303.797.5793.

Program Requirements

Major Courses (40 credit hours)

- LEA 1001 - Basic Police Academy I 6 Credits
- LEA 1002 - Basic Police Academy II 12 Credits
- LEA 1003 - Basic Law Enforcement Academy III 2 Credits
- LEA 1004 - Basic Law Enforcement Academy IV 1 Credit
- LEA 1005 - Basic Law 8 Credits
- LEA 1006 - Arrest Control Techniques 3 Credits
- LEA 1007 - Law Enforcement Driving 3 Credits
- LEA 1008 - Firearms 3 Credits
- PED 1010 - Fitness Center Activity I 1 Credit
- PED 1002 - Weight Training I 1 Credit

Total: 40 credit hours

Graduation Requirements

- All courses in the academy must be completed with a grade of "C" or better.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Professional Licensing Disclosure

Students enrolling or continuing at Arapahoe Community College (ACC) have a right to certain information that the college is required by law to provide. As a student applying for or attending the Law Enforcement Academy meets the licensure or certification for Colorado. It is possible that the degree/certificate may count toward licensing in states other than Colorado. If you are planning to seek professional licensure, it is strongly recommended that you contact the appropriate licensing entity in the state in which you are located or plan to locate in order to seek information and guidance regarding licensure or certification requirements before you begin this program. This program meets the applicable state prerequisites for licensure or certification in Colorado as listed below:

Colorado Peace Officer Standards and Training (POST) Board

ACC has determined the Law Enforcement Academy does NOT meet applicable state prerequisites for licensure or certification for the following states: Alabama, Alaska, Arizona, Arkansas, California, Connecticut, District of Columbia, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming and U.S. Territories: American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands.

Medical Assistant Certificate

CIP 510801 (MA4)

The Medical Assistant Certificate enables a student to get a job as a fully-fledged MA for the front and back office of a medical office. In addition to doing reception work in the office, an MA also does patient care including laboratory work and injections in an ambulatory care facility. The curriculum is designed to facilitate the correlation between theory and clinical practice while exercising critical thinking proficiency.

Admission Requirements

- Admission to Arapahoe Community College
- Select "Health" as your area of interest and "Medical Assistant, Certificate" as your degree or certificate.
- Personal interview with the MAP Program Coordinator
- Criminal Background Check

Program Requirements

Major Courses (30 credit hours)

- MAP 1010 - Medical Office Administration 4 Credits
- MAP 2038 - Medical Assisting Laboratory 4 Credits
- MAP 2040 - Medical Assisting Clinical Skills 4 Credits
- MAP 1050 - Pharmacology for Medical Assistants 3 Credits
- MAP 1083 - Medical Assistant Internship 5 Credits
- HPR 1038 - Introduction to Medical Terminology 1 Credit
- MOT 1025 - Basic Medical Sciences I 3 Credits
- MOT 1026 - Basic Medical Sciences II 3 Credits
- MOT 1027 - Basic Medical Sciences III 3 Credits

Total: 30 credit hours

Graduation Requirements

- All major, general education and other courses required for these certificates/degrees must be completed with a "C" or better to meet graduation requirements.
- Medical Office Technology (MOT) courses must be taken within five years of a student's graduation.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by

an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Medical Office Administrative Assistant Certificate

CIP 510710 (4MOA)

The Administrative Assistant certificate enables students to work the front office/reception area of physician's offices. The MOT curriculum is designed to facilitate the correlation between theory and clinical practice while exercising critical thinking proficiency.

Admission Requirements

- Admission to Arapahoe Community College
- Select "Health" as your area of interest and "Medical Office Administrative Assistant, Certificate" as your degree or certificate.
- Personal interview with the MOAA Program Coordinator

Program Requirements

Major Courses (9 credit hours)

- HPR 1008 - Law and Ethics for Health Professions 2 Credits
- HPR 1040 - Comprehensive Medical Terminology 3 Credits

OR HPR 178 (3 Credits)

- MAP 1010 - Medical Office Administration 4 Credits

Total: 9 credit hours

Graduation Requirements

- All major, general education and other courses required for these certificates/degrees must be completed with a "C" or better to meet graduation requirements.
- Medical Office Technology (MOT) courses must be taken within five years of a student's graduation.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Medical Office Technology Billing and Reimbursement Certificate

CIP 510714 (MED6)

The Billing and Reimbursement Certificate prepares students to perform the process of coding, billing and reconciling the payment process as related to an ambulatory care facility.

(This program is in teach-out and not currently accepting applications)

Admission Requirements

- Admission to Arapahoe Community College
- Complete MOT Program Application
- Personal interview with the MOT Program Coordinator
- HIT students do not need permission from the MOT department in order to complete MOT 1025 , MOT 1026 and MOT 1027

Program Requirements

Major Courses (25 credit hours)

- HPR 1008 - Law and Ethics for Health Professions 2 Credits
- HPR 1040 - Comprehensive Medical Terminology 3 Credits
  OR HPR 178 (3 Credits)
- MAP 1010 - Medical Office Administration 4 Credits
- MOT 1025 - Basic Medical Sciences I 3 Credits
- MOT 2040 - Advanced Insurance Billing and Coding 3 Credits
- MOT 1026 - Basic Medical Sciences II 3 Credits
- MOT 1027 - Basic Medical Sciences III 3 Credits
- MOT 2089 - Capstone 1 Credit *

Note(s):

**Students must receive Department Chair approval prior to enrolling in the Capstone class*.

Total: 25 credit hours

Graduation Requirements

- All major, general education and other courses required for these certificates/degrees must be completed with a "C" or better to meet graduation requirements.
- Medical Office Technology (MOT) courses must be taken within five years of a student's graduation.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Music Business Certificate

CIP 100203 (MB)

The Music Business Certificate prepares students for opportunities in music promotion, publishing, touring, and marketing. Students will learn how to develop their business skills in the music industry so they can apply for careers in artist management, music marketing, publishing, the live entertainment industry, or entrepreneurship. Students will learn the basics of every major facet of the industry, choose what fits them, and learn how to further explore the area that best suits their career goals.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (16 credit hours)

- MUS 1067 - Music Business I 3 Credits
- MUS 1069 - Project Management for Musicians 3 Credits
- MUS 2060 - The Business of Live Music Performance 3 Credits
- MUS 2063 - Music Publishing 3 Credits
- MUS 2067 - Music Marketing Strategies 3 Credits
- MUS 2084 - Internship 1 Credit

Total: 16 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Nurse Aide Certificate

CIP 513902 (NR3)

This program will prepare the student for employment as a nurse aide in hospital, home-care, skilled care and hospice facilities. The entry level skills of a nurse aide are an excellent introduction to a broad range of health professions. Nurse Aides provide close personal care for a variety of clients. Successful students are considerate of others and recognize how to meet the needs of vulnerable humans as well as how to interact with other members of the healthcare team. Basic nursing skills, including activities of daily living, use of assistive devices and recognition of the emotional, social, cultural and individual rights of patients are all competencies that will be covered in the coursework. Students will have an opportunity to practice these skills in the college lab with transition into healthcare agencies. Successful completion of the Nurse Aide Certificate course at ACC qualifies the student to take the State Certification Examination, also known as the NNAAP exam, to become a Certified Nurse Aide (CNA). The Nurse Aide program is approved by the State Board of Nursing, located at 1560 Broadway, Suite 1370, Denver, Colorado 80202-5146, telephone 303.894.2430.

Please see the full list of requirements and checklist at https://www.arapahoe.edu/academics-programs/programs/nurse-aide on the Nurse Aide Page.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (6 credit hours)

- NUA 1001 - Nurse Aide Health Care Skills 4 Credits
- NUA 1070 - Nurse Aide Clinical Experience 1 Credit *
- NUA 1071 - Clinical: Advanced Nurse Aide 1 Credit *

Note(s):

* For clinical requirements please see http://www.arapahoe.edu/departments-and-programs/a-z-programs/nurse-aide/-site-clinicals on the Nurse Aide Page

Total: 6 credit hours

Graduation Requirements

- Courses required for this certificate must be completed with a "C" or better to meet graduation requirements.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a

federal requirement to ensure that ACC receives certain federal funding.

Professional Licensing Disclosure

Students enrolling or continuing at Arapahoe Community College (ACC) have a right to certain information that the college is required by law to provide. As a student applying for or attending the Nurse Aide Program you have the right to know it meets the licensure or certification for Colorado. It is possible that the degree/certificate may count toward licensing in states other than Colorado. If you are planning to seek professional licensure, it is strongly recommended that you contact the appropriate licensing entity in the state in which you are located or plan to locate in order to seek information and guidance regarding licensure or certification requirements before you begin this program. This program meets the applicable state prerequisites for licensure or certification in Colorado as listed below:

Colorado Board of Nursing

National Nurse Aide Assessment Program Exam (NNAAP Exam)

ACC has not determined if the Nurse Aide Program meets applicable state prerequisites for licensure or certification in states other than Colorado. Other states include (Alabama, Alaska, Arizona, Arkansas, California, Connecticut, District of Columbia, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming and U.S. Territories: American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands).

For additional licensing requirements by state, see: https://www.cnalicense.org/licensure-by-state/

Paralegal Certificate

CIP 220302 (LGA2)

Paralegals (Legal Assistants) play an important role in assisting attorneys to provide affordable legal services.

ACC's American Bar Association – approved Paralegal program provides a solid foundation of knowledge and practical experience to prepare students for this profession. While paralegals may not practice law, they work under the supervision of attorneys in private law firms or businesses, as well as in many government agencies. Tasks performed by paralegals include interviewing, investigation, research, preparing legal forms, assisting attorneys in court and other activities.

Please contact the Paralegal program if you have questions about the academic requirements.

ABA approval

The Paralegal program has been approved by the American Bar Association since 1977. The approval process ensures that the program complies with the high academic standards of the American Bar Association. If you have questions about the approval process, the American Bar Association may be reached at 321 N. Clark St., Chicago, IL 60610, 312-988-5000.

Admission Requirements

- Admission to Arapahoe Community College
- Admission requires one of the following:
- A baccalaureate degree or an associate of arts or science degree from an accredited post-secondary institution. This does not include an associate of applied science degree or equivalent occupational or vocational degree.
- An official transcript must be on file in Admissions and Records prior to enrolling in paralegal classes.
- Students must contact the Paralegal program for advising and program planning prior to enrolling in any PAR courses. Once the advising process is completed students may enroll in PAR classes; enrollment in classes will not be permitted without such program approval.
- Program approval is required in order to transfer in credit for paralegal classes (PAR) from other institutions; courses may be transferred to the program ONLY if they were taken from an ABA-approved program at a regionally accredited institution, and out-of-state courses may only be transferred in if the law content is not state-specific. A maximum of (nine) semester credit hours of paralegal legal specialty courses may be transferred to ACC and such courses must be approved by the program.
- The Paralegal program expects all students In the paralegal program to abide by the code of ethics promulgated by the American Bar Association (ABA) and National Association of Legal Assistants (NALA). The code of ethics may be viewed at www.americanbar.org and www.nala.org

Program Requirements

PAR 1115 must be taken the first semester of study. All classes except for PAR 1115, have PAR corequisites or prerequisites; see Course Descriptions. All students who are enrolled in at least one paralegal (PAR) class will be charged a program fee each semester.

Major Courses (27 credit hours)

- PAR 1110 - Legal Analysis 3 Credits
- PAR 1114 - Computers and the Law 3 Credits
- PAR 1115 - Introduction to Law 3 Credits
- PAR 1116 - Torts 3 Credits
- PAR 1118 - Contracts 3 Credits
- PAR 2201 - Civil Litigation 3 Credits
- PAR 2211 - Legal Research 3 Credits
- PAR 2219 - E-Discovery and Litigation Technology 3 Credits
- PAR 2087 - Cooperative Education 3 Credits

Elective Courses (9 credit hours)

Choose nine credit hours from the following:

- PAR 1117 - Family Law 3 Credits
- PAR 1125 - Property Law 3 Credits
- PAR 1126 - Administrative Law 3 Credits
- PAR 1127 - Legal Ethics 3 Credits
- PAR 2202 - Evidence 3 Credits
- PAR 2205 - Criminal Law 3 Credits
- PAR 2206 - Business Organizations 3 Credits
- PAR 2207 - Current Issues in the Law 3 Credits
- PAR 2208 - Probate and Estates 3 Credits
- PAR 2216 - Employment Law 3 Credits
- PAR 2217 - Environmental Law 3 Credits
- PAR 2218 - Bankruptcy Law 3 Credits

- PAR 2219 - E-Discovery and Litigation Technology 3 Credits
- PAR 2227 - Immigration Law 3 Credits
- PAR 2228 - Intellectual Property 3 Credits
- PAR - Any PAR elective 3 Credits

Total: 36 credit hours

Progression and Course Completion

In order to progress through the Paralegal program:

- A student must successfully complete each course in the Paralegal curriculum by achieving a grade of "C" or better
- If a student withdraws from a PAR class, this will be treated the same as a failure to successfully complete a course
- If a student earns a grade lower than a "C" in any PAR course, or withdraws from any PAR class, the student will be allowed to retake the course a maximum of one time
- No more than two PAR classes may be retaken during the completion of the Paralegal program
- If a student is not successful, i.e., a "C" or higher grade on the re-take attempt, the student will be dismissed from the Paralegal program.
- If the student withdraws for reasons other than academic reasons, the student may provide documented proof of reasons and petition the Paralegal program for an additional one-time opportunity to retake the class. Approval of the exception is strictly the decision of the program
- Students must take at least 9 semester credits or the equivalent of legal specialty courses through synchronous instruction

Graduation Requirements

- All paralegal courses required for the certificate must be completed with a grade of "C" or better
- To graduate, students must have a cumulative GPA of 2.0 or higher
- Students must complete a Paralegal exit survey/interview
- At least 27 hours of Paralegal courses must be taken at Arapahoe Community College
- Paralegal courses must be taken within six years of a student's graduation. General education courses are not subject to this six-year requirement
- Apply for graduation online at www.arapahoe.edu/graduation
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding

Paramedic Certificate

CIP 510904 (EMPR)

This program is accredited by the Commission on Accreditation of Allied Health Educations Programs. This program is offered two times per year, starting in Spring and Summer Semesters. Students have the option of attending full-time or part-time.

The Paramedic Program has four components: Lecture, Lab, Clinical and Field internships. This is approximately 1200 hours. The student must complete all coursework, lecture, lab, clinical and field internship, as well as pass all academic and practical components before sitting for the National Registry Examination.

Following are many of the topics covered: EMS systems, paramedic roles and responsibilities, injury and illness prevention, medical/legal issues, ethics, path physiology, pharmacology, medication administration, patient assessment, trauma management, respiratory system management, cardiovascular management, management of medical emergencies, pediatric management, management of obstetric and gynecologic emergencies, management of emotional crisis, assessment bases management and EMS operations.

All students enrolled in this program are encouraged to apply for graduation upon completion of the program

Admission Requirements

The student must have the following prerequisites to be considered for entrance into this program:

- Admission to Arapahoe Community College
- Completion of Minimum Student Competencies form
- One year of documented EMT Basic or Intermediate field experience
- Basic ECG Interpretation class
- IV Certification
- Current American Heart Association Healthcare CPR certificate
- College-level Anatomy and Physiology (BIO 2101 and BIO 2102, or BIO 1006)

Program Requirements

Major Courses (45 credit hours)

- EMS 2025 - Fundamentals of Paramedic Practice 3 Credits
- EMS 2026 - Fundamentals of Paramedic Practice-Lab 2 Credits
- EMS 2027 - Paramedic Special Considerations 3 Credits
- EMS 2028 - Paramedic Special Considerations Lab 2 Credits
- EMS 2029 - Paramedic Pharmacology 3 Credits
- EMS 2030 - Paramedic Pharmacology Lab 2 Credits
- EMS 2031 - Paramedic Cardiology 5 Credits
- EMS 2032 - Paramedic Cardiology Lab 1 Credit
- EMS 2033 - Paramedic Medical Emergencies 4 Credits
- EMS 2034 - Paramedic Medical Emergencies Lab 1 Credit
- EMS 2035 - Paramedic Trauma Emergencies 4 Credits
- EMS 2036 - Paramedic Trauma Emergencies Lab 1 Credit
- EMS 2037 - Paramedic Internship Preparatory 2 Credits
- EMS 2080 - Paramedic Internship I 6 Credits
- EMS 2081 - Paramedic Internship II 6 Credits

Total: 45 credit hours

Graduation Requirements

- All courses required for this program must be completed with a "C" or better.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a

federal requirement to ensure that ACC receives certain federal funding.

Paramedic Preparation Certificate

CIP 510904 (EMPP)

This 32-hour EMT Preparation Certificate provides additional training to improve the EMT's employability, prepare the student for paramedic school and other healthcare careers. Many of the preparation certificate classes are prerequisites for entrance into the Paramedic Program. Consult an Advisor for appropriate electives.

All students enrolled in this program are encouraged to apply for graduation upon completion of the program

Admission Requirements

- Minimum of 18 years of age prior to the start of the Clinical Rotations (EMS 1070).
- Current American Heart Association Healthcare CPR for the Healthcare Provider (BLS) certificate

Program Requirements

Major Courses (32 credit hours)

- BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1 4 Credits
- BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1 4 Credits
- ENG 1031 - Technical Writing I: GT-CO1 3 Credits
- EMS 1021 - EMT Fundamentals 3 Credits
- EMS 1022 - EMT Medical Emergencies 4 Credits
- EMS 1023 - EMT Trauma Emergencies 2 Credits
- EMS 1024 - EMT Special Considerations 2 Credits
- EMS 1030 - EMT Intravenous Therapy 2 Credits
- EMS 1070 - EMT Clinical 1 Credit
- HPR 1050 - Basic EKG Interpretation 2 Credits
- EMS 1081 - EMS Internship I 5 Credits

Total: 32 credit hours

Graduation Requirements

- All courses required for this program must be completed with a "C" or better.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Phlebotomy Certificate

CIP 511009 (PHL2)

Phlebotomy is the acquired professional skill of performing vein punctures (drawing blood). The Phlebotomy Certificate is a fifteen-week class that meets evenings during the spring and fall semesters. This seven-credit certificate includes four credits of lecture/didactic information and three credits of clinical internship.

120 hours of clinical internship are required for the program. This internship requires 3 consecutive weeks (120 hours) **during the semester of attendance**. This internship is Monday-Friday for 8 hours each day. There are no evening or weekend internships available. **In order to complete**

the certificate you must be available to complete this internship. A student must be 18 years of age to participate in the clinical internship.

Admission Requirements

- Admission to Arapahoe Community College
- Register for HPR 1020 and HPR 1080

Program Requirements

Major Courses (7 credit hours)

- HPR 1020 - Phlebotomy 4 Credits
- HPR 1080 - Internship 3 Credits

Total: 7 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.
- Please contact the MLT Department Chair if you have any questions about these academic requirements.

Residential Kitchen and Bath Design Specialist Certificate

CIP 500408 (KTBA)

Kitchen and Bath Design is an exciting and profitable specialty within the interior design industry, and ACC's Interior Design Program offers a focused opportunity with the Residential Kitchen and Bath Design Certificate. This program provides essential training for students to enter the kitchen and bath industry, offering courses that specialize in residential design. Completed in just four semesters, whether online or in person, this certificate equips students with the skills to excel in both areas.

Accredited by the National Kitchen and Bath Association (NKBA), the program ensures a high-quality education that prepares graduates for a competitive job market.

The Residential Kitchen & Bath Design Certificate prepares students for a variety of roles within the residential interior design industry. The program provides a strong foundation in residential design principles, including space planning, finishes, materials, and furnishings, while also offering specialized training in kitchen and bath design—two of the most technical and in-demand areas in the field.

Students learn to design safe, functional, and visually compelling residential environments using industry-standard software and current building and accessibility codes. Coursework emphasizes creative problem-solving, essential for working in design studios, cabinetry and appliance showrooms, and residential remodeling firms.

Whether completed online or in person, this certificate can be completed in as few as four semesters and equips students with the knowledge and technical skills needed to succeed in residential and kitchen and bath design.

Concurrent Program Options

Students may choose to pursue multiple credentials concurrently. Many complete the **Residential Kitchen & Bath Design**

Certificate and/or the **CAD–Interior Design Certificate** while earning the **Interior Design AAS degree**, since the courses are closely aligned. This approach supports specialization in residential, technical drafting, or kitchen and bath design, and can accelerate entry into the workforce.

Professional Credentialing

Graduates of the Residential Kitchen and Bath Certificate (and the Interior Design AAS degree) are eligible to pursue the **Certified Kitchen & Bath Designer (CKBD)** credential through the National Kitchen & Bath Association (NKBA). The certification process includes a comprehensive examination and a professional design portfolio submission demonstrating applied knowledge in kitchen and bath design.

Admission Requirements

- Admission to Arapahoe Community College
- Students must attend an Interior Design Program Orientation prior to registration. Dates for orientations are listed on the ACC website.
- Complete ACCUPLACER assessment with the following minimum scores:
- 95 on Sentence Skills
- OR ACT or SAT scores within the last two years
- OR have earned a previous college degree
- OR have completed any necessary remedial courses, if required, with a grade of "C" or higher before taking Interior Design courses

Students wishing to transfer in Interior Design or General Education credits to fulfill certificate requirements must have official transcripts sent to the ACC Admissions and Records Office. If you have questions after Admissions and Records has evaluated your transcripts, please call 303.797.5958 to schedule an appointment with the IND Department Chair.

Program Requirements

Major Courses (38 credit hours)

- IND 1101 - Introduction to Interior Design 3 Credits
- CAD 1105 - AutoCAD for Interiors 4 Credits
- IND 1105 - Technical Drafting for Interiors 3 Credits
- IND 2203 - Space Planning 3 Credits
- IND 2204 - Estimating Interior Materials 3 Credits
- CAD 1110 - SketchUp 3 Credits
- IND 2208 - Residential Design 4 Credits
- IND 2501 - Kitchen and Bath Design 4 Credits
- IND 2300 - Interior Construction 4 Credits
- IND 2502 - Advanced Kitchen & Bath Design 4 Credits
- IND 2080 - Internship 3 Credits

Total: 38 credit hours

Graduation Requirements

- All courses required for this certificate must earn a grade of "C" or better to meet completion requirements.
- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by

an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Sound Engineering Certificate

CIP 100203 (COU2)

The Sound Engineering certificate program offers opportunities for students to add a wide range of music technology related courses to their expertise in order to advance in their jobs and to enhance skills needed in the audio industry. The content includes, but is not limited to: computer music software applications, audio recording/production, and live sound engineering.

Admission Requirements

- Admission to Arapahoe Community College

Program Requirements

Major Courses (22 credit hours)

- MUS 1008 - Principles of Acoustics 3 Credits
- MUS 1061 - Computer Music Applications I 3 Credits
- MUS 1062 - Computer Music Applications II 3 Credits
- MUS 1063 - Music Audio Production I 3 Credits
- MUS 1064 - Music Audio Production II 3 Credits
- MUS 1067 - Music Business I 3 Credits
- MUS 2065 - Live Audio Engineering 3 Credits
- MUS 2084 - Internship 1 Credit **OR**
- MUS 2085 - Independent Study 1-6 Variable Credits

Total: 22 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Web Design Certificate

CIP 500409 (4GDW)

This certificate prepares students for entry-level positions in web design and is an excellent addition to the Associate of Applied Science Degree in Multimedia, Graphic Design and Illustration. Students without the degree are strongly encouraged to complete some instruction in graphic design prior to pursuing this certificate.

Admission Requirements

- Admission to Arapahoe Community College
- Proficiency with Macintosh operations is required for classes in MGD labs. Students without these skills must enroll in either MGD 1001 or MGD 1002 prior to taking other MGD computer classes.
- Typing and basic math skills are also highly recommended.

Program Requirements

Major Courses (30 credit hours)

- MAN 2041 - Project Management in Organizations 3 Credits
- MGD 1011 - Adobe Photoshop I 3 Credits
- MGD 1041 - Web Design I 3 Credits
- MGD 1043 - Motion Graphic Design I: (Software) 3 Credits
- MGD 2041 - Web Design II 3 Credits
- MGD 1012 - Adobe Illustrator I 3 Credits
- MAR 2016 - Principles of Marketing 3 Credits
- MGD 2027 - Marcomm Practices 3 Credits
- MGD 2042 - Web Architecture: Open Source Design 3 Credits
- MGD 2058 - User Experience/User Interface Design (UX/UI) 3 Credits

Total: 30 credit hours

Graduation Requirements

- Apply for graduation online at www.arapahoe.edu/graduation.
- As a graduate of a Career and Technical Education program you will be contacted by an ACC employee in approximately six months to verify your employment information. This information gathering is a federal requirement to ensure that ACC receives certain federal funding.

Course Descriptions

Academic Achievement

AAA 0099 - Active Learning Skills

1 Credit

Allows students a variety of experiences in tutorial and enhanced learning activities in the reading, writing, math, and ESL. Topics include academic support, learning styles, and contextualized learning. Students will acquire reading, English composition, English as a Second Language and/or mathematics skills through the use of course tutorial software and individualized instruction. Note: This course was previously listed as AAA 099.

AAA 1001 - College 101: The Student Experience

1 Credit

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. This course was previously listed as AAA 101.

AAA 1009 - Advanced Academic Achievement

3 Credits

Examines theories and practices associated with successful learning to enhance college success. Techniques covered include academic proficiency, personal management, effective collegiate communication, critical and creative thinking, development of community, awareness of diverse identities, and educational and career planning. Note: This course was previously listed as AAA 109.

AAA 1075 - College 175: Special Topics

1 - 12 Credits

Students will engage with topics related to academic success longevity and career & transfer outlook. Through a culture of evidence and inquiry, students will be challenged to set academic benchmark goals leading to degree completion and career options. Note: This course was previously listed as AAA 175.

Accounting

ACC 1001 - Fundamentals of Accounting

3 Credits

Introduces accounting fundamentals with emphasis on the procedures and practices used in business organizations. Major topics include the accounting cycle for service and merchandising companies, including end-of-period reporting. Note: This course was previously listed as ACC 101.

ACC 1011 - Introduction to Financial Accounting

3 Credits

Focuses on financial accounting concepts prescribed by Generally Accepted Accounting Principles (GAAP), including financial information for external partners, the accounting cycle process, basic terminology, transaction analysis, internal control systems, and financial statement preparation and analysis.

ACC 1012 - Introduction to Managerial Accounting

3 Credits

Focuses on the fundamentals of managerial accounting and cost management as tools to aid internal users' decision-making processes. This course covers basic managerial accounting concepts, such as product costing and cost behavior and control. It also covers internal management decision making tools, including cost-volume-profit analysis, budgeting, cost analysis, and planning and control systems.

Prerequisite(s): ACC 1011, **OR** ACC 1021

ACC 1015 - Payroll Accounting

3 Credits

Covers 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, including computerized payroll procedures. Note: This course was previously listed as ACC 115.

Corequisite(s): ACC 1001, ACC 1011 or ACC 1021

ACC 1021 - Accounting Principles I

4 Credits

This course introduces accounting principles for understanding the theory and logic that underlie procedures and practices for business organizations. Major topics include the accounting cycle for service and merchandising companies, internal control principles and practices, notes and interest, inventory systems and costing, and plant and intangible asset accounting. Note: This course was previously listed as ACC 121.

ACC 1022 - Accounting Principles II

4 Credits

This course continues the application of accounting principles to business organizations. Major topics include corporate equity and debt financing, investments, cash flow statements, financial analysis, budgeting, cost and managerial accounting. Note: This course was previously listed as ACC 122.

Prerequisite(s): ACC 1021 with a grade of "C" or better

ACC 1025 - Computerized Accounting

3 Credits

Introduces computerized accounting applications for business use, with emphasis on company setup and all aspects of the accounting cycle. This course was previously listed as ACC 125.

Prerequisite(s): ACC 1001, ACC 1011, or ACC 1021

Corequisite(s): ACC 1001, ACC 1011, or ACC 1021

ACC 1031 - Income Tax

3 Credits

Introduces basic concepts of federal income taxation and tax administration with emphasis on taxation of individuals and sole proprietorships. Note: This course was previously listed as ACC 131.

ACC 1032 - Tax Help Colorado

2 Credits

Examines the preparation of individual, federal, and state income tax returns within the guidelines and limitations set forth by the Tax Help Colorado program and IRS guidelines. Emphasis is placed on form preparation with the use of tax software. Note: This course was previously listed as ACC 132.
RECOMMENDED: Strongly recommended to take ACC 1001 or ACC 1021 before taking this course

ACC 1033 - Tax Help Colorado Practicum

1 Credit hour

Utilizes income tax knowledge and training in the context of a community service setting. Volunteers prepare individual federal, and state income tax within the parameters of the Tax Help Colorado program and Internal Revenue Service (IRS) guidelines. Note: This course was previously listed as ACC 133.

Prerequisite(s): ACC 1032

ACC 1035 - Spreadsheet Application for Accounting

3 Credits

Introduces spreadsheets as an accounting tool in the application of fundamental accounting concepts, problem-solving, and decision-making skills. Note: This course was previously listed as ACC 135.

Prerequisite(s): (ACC 1001 or ACC 1011 or ACC 1021) and (CIS 1018 or CIS 1055)

ACC 1039 - Budget Management

1 Credit

Teaches the basics of budgets including analyzing, managing, and tracking costs.

ACC 2011 - Intermediate Accounting I

4 Credits

Focuses on comprehensive analysis of Generally Accepted Accounting Principles (GAAP), accounting theory, concepts, and financial accounting principles for public corporations. It focuses on the preparation and analysis of business information relevant and useful to external users of financial reports. This course also explores the theories, principles, and practices surveyed in accounting, and examines reporting requirements and ethical situations. Note: This course was previously listed as ACC 211.

Prerequisite(s): ACC 1011 and ACC 1012

ACC 2012 - Intermediate Accounting II

4 Credits

Focuses on the theoretical and practical aspects of Generally Accepted Accounting Principles (GAAP) for public corporations. It is an in-depth study of the theories, practices, reporting, and ethics of financial accounting. Note: This course was previously listed as ACC 212.

Prerequisite(s): ACC 2011

ACC 2026 - Cost Accounting

3 Credits

Explores cost accumulation methods and reports, including job order, process, standard, and activity-based cost systems. Topics include budgeting, planning, and control of costs. Note: This course was previously listed as ACC 226.

Prerequisite(s): ACC 1012 or ACC 1022

ACC 2035 - Computerized Accounting for Small Business

3 Credits

Introduces an electronic accounting application for use in a small business. This course will focus on installing and launching the application, converting a manual accounting system to an electronic system, recording daily transactions, and summarizing records in reports for a complete financial picture. Note: This course was previously listed as ACC 235.

Corequisite(s): ACC 1001, ACC 1011 or ACC 1021

ACC 2045 - Computerized Accounting with a Professional Package

3 Credits

Integrates accounting principles and practices with a computerized accounting package such as Peachtree, DacEasy, or other professional package. Emphasizes computerized functions of the general ledger and integrated accounts payable, accounts receivable, invoicing and payroll systems. Note: This course was previously listed as ACC 245.

Prerequisite(s): ACC 1001, ACC 1011, or ACC 1021

Corequisite(s): ACC 1001, ACC 1011, or ACC 1021

ACC 2087 - Cooperative Education

3 Credits

Provides an opportunity to gain practical experience in applying 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 coordinate learning activities with the employer or work site supervisor. Note: This course was previously listed as ACC 287. **For Accounting majors only.**

Required: Instructor's permission

Air Force ROTC

For additional information concerning ROTC, please call 303.492.8351

AIR 1001 - Heritage and Values I

1 Credit

This course Provides an introduction to the Air Force, encourages students to pursue an AF career or seek additional information to be better informed about the role of the USAF. The course allows students to examine general aspects of the Department of the Air Force, AF Leadership, Air Force benefits, and opportunities for AF officers. The course also lays the foundation for becoming an Airman by outlining our heritage and values. Note: This course was previously listed as AIR 101.

Required: Instructor's permission

AIR 1002 - Heritage and Values II

1 Credit

Is a continuation of AIR 101. This course provides a historical perspective including lessons on war and the US military, AF operations, principles of war, and airpower. This course also provides students with an understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. The students are introduced to the Air Force way of life and gain knowledge on what it means to be an Airman. Note: This course was previously listed as AIR 102.

Prerequisite(s): AIR 1001

AIR 2001 - Teams and Leadership Fundamentals I

1 Credit

Is designed to provide a fundamental understanding of both leadership and team building. This course teaches students that there are many layers to leadership, including aspects that are not always obvious. Such things include listening, understanding themselves, being a good follower, and problem solving efficiently. Note: This course was previously listed as AIR 201.

Prerequisite(s): AIR 1002

AIR 2002 - Teams and Leadership Fundamentals II

1 Credit

Is a continuation of AIR 201. This course is designed to discuss different leadership perspectives when completing team building activities and discussing things like conflict management. This course also provides students with the ability of demonstrating their basic verbal and written communication skills. Active cadets will apply these lessons at Field Training, which follows the AS200 level. Note: This course was previously listed as AIR 202.

Prerequisite(s): AIR 2001

American Sign Language

ASL 1121 - American Sign Language I

5 Credits

Exposes the student to American Sign Language. Readiness activities are conducted focusing on visual/receptive skills and basic communication. Utilizes the direct experience method. Students must complete this course with a "B" or higher or pass the ASL proficiency test with a score of at least 80% or better prior to registering for ASL 1122 if planning to enroll in the Interpreter Preparation Program. Note: This course was previously listed as ASL 121.

ASL 1122 - American Sign Language II

5 Credits

Develops a basic syntactic knowledge of American Sign Language (ASL), basic vocabulary and basic conversational skills. Incorporates vital aspects of deaf culture and community. The direct experience method is used to enhance the learning process. Students must complete this course with a "B" or higher or pass the ASL 1121 proficiency test with a score of 80% or better prior to acceptance into the Interpreting and Transliterating Preparation program. (NOT OFFERED AT ACC). Note: This course was previously listed as ASL 122.

Prerequisite(s): ASL 1121

ASL 1123 - American Sign Language III

5 Credits

Provides the student an opportunity to develop a stronger grasp of American Sign Language (ASL), as well as the cultural features of the language. ASL vocabulary is also increased. The direct experience method is used to further enhance the learning process. This course is a continuation of ASL 1122 with more emphasis on expressive skills in signing. Note: This course was previously listed as ASL 123.

Prerequisite(s): ASL 1122

ASL 1124 - Intermediate American Sign Language

3 Credits

Strengthens foundational ASL receptive and expressive skills in American Sign Language (ASL) by enhancing the student's ability to comprehend and express lexical, grammatical and syntactical principles at an intermediate level. Conversational skills will be developed incorporating appropriate use of cultural discourse markers. Specific attention will be given to the spatial nature of the language. This course is a prerequisite for Advanced ASL 1, in the coordinated AGS/BA degree in ASL-English Interpretation. Note: This course was previously listed as ASL 124.

Prerequisite(s): ASL 1122

Anthropology

ANT 1001 - Cultural Anthropology: GT-SS3

3 Credits

Examines the study of human cultural patterns, including communication, economic systems, social and political

organizations, religion, healing systems, and cultural change. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as ANT 101.

Prerequisite(s): College Readiness in English

ANT 1003 - Introduction to Archeology: GT-SS3

3 Credits

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, the works of selected archaeologists, and major archaeological theories. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as ANT 107.

Prerequisite(s): College Readiness in English

ANT 1005 - Biological Anthropology with Lab: GT-SC1

4 Credits

Focuses on the study of the human species and related organisms, and examines principles of genetics, evolution, anatomy, classification, and ecology, including a survey of human variation and adaptation, living primate biology and behavior, and primate and human fossil evolutionary history. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as ANT 111.

Prerequisite(s): College Readiness in English

ANT 2085 - Independent Study

1-6 Variable Credits

Allows the student to independently study certain aspects of anthropology. It provides opportunity to investigate an area of interest that developed in an introductory course. Note: This course was previously listed as ANT 285.

Prerequisite(s): College Readiness in English

ANT 2115 - Native Peoples of North America: GT-SS3

3 Credits

Studies 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 is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as ANT 215.

Prerequisite(s): College Readiness in English

ANT 2125 - Anthropology of Religion GT-SS3

3 Credits

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 is a statewide Guaranteed Transfer

course in the GT-SS3 category. Note: This course was previously listed as ANT 225.

Prerequisite(s): College Readiness in English

ANT 2230 - Southwest US Archaeology

3 Credits

Identifies the complex regional population centers and cultural traditions of prehistoric peoples of the 4-Corners (Colorado, Arizona, New Mexico, Utah) and analyzes evidence of cultural interaction with peoples of Meso-America and with the ecology of the region. Note: This course was previously listed as ANT 137.

Prerequisite(s): College Readiness in English

ANT 2315 - Introduction to Forensic Anthropology with Lab: GT-SC1

4 Credits

Covers the basic principles of forensic anthropology, an applied field within the discipline of biological anthropology. The course includes the study of the human skeleton, practical application of biological anthropology and archaeology, and judicial procedure, as they relate to the identification of human remains within a medico-legal context. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as ANT 212.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

ANT 2550 - Medical Anthropology: GT-SS3

3 Credits

Explores the basic principles of medical anthropology, an applied field within the discipline of cultural anthropology, including the cross-cultural study of illness, health, healing, death, globalization, and the interaction of medical systems between cultures. This course is one of the Statewide Guaranteed Transfer courses, GT-SS3.

Prerequisite(s): College Readiness in English

Arabic

ARA 1011 - Arabic Language I

5 Credits

Begins a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the Arabic language. Note: This course was previously listed as ARA 111.
NOTE: *The order of the topics and the methodology will vary according to the individual texts and Instructors.*

ARA 1012 - Arabic Language II

5 Credits

Continues Arabic Language I in the development of functional proficiency in listening, speaking, reading and writing the Arabic language. Note: The order of the topics and the methodology will vary according to individual texts and Instructors. Note: This course was previously listed as ARA 112.

Prerequisite(s): ARA 1011

ARA 2011 - Arabic Language III

3 Credits

Continues Arabic Language II in the development of increased functional proficiency at the intermediate level in speaking, aural comprehension, reading, writing, and cultural competency in the Arabic language. This course is conducted predominantly in Arabic. Note: This course was previously listed as ARA 211.

Prerequisite(s): ARA 1012

ARA 2012 - Arabic Language IV

3 Credits

Continues Arabic Language III in the development of increased functional proficiency at advanced intermediate level in speaking, aural comprehension, reading, writing, and cultural competency in the Arabic language. This course is conducted predominantly in Arabic. Note: This course was previously listed as ARA 212.

Prerequisite(s): ARA 2011

ARA 2075 - Special Topics

3 Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interests. Note: This course was previously listed as ARA 275.

Architectural Engineering and Construction

AEC 1100 - Introduction to Design Theory

3 Credits

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. Note: This course was previously listed as AEC 100.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 1110 - History of Architecture

3 Credits

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. Note: This course was previously listed as AEC 125.

Prerequisite(s): ENG 1021 or ENG 1031 and Quantitative Literacy Math

AEC 1200 - Print Reading Residential/Commercial

3 Credits

Interpret construction prints and the related documents produced by the residential or

commercial architect and used in the construction industry. This course was previously listed as AEC 107.

AEC 1250 - Architectural Design and Modeling

4 Credits

Introduces students to conceptual architectural design through manual drafting techniques including a variety of multi-view projection, isometric projects, and architecture details. The student will be required to produce a combination of manually drafted drawings, CAD drawings, and physical models. Students will develop and present a design solution and evaluation of the assigned program through conceptual models and architectural drawings. This course was previously listed as AEC 110.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 1510 - Building Materials

3 Credits

The study of building materials and methods commonly used within the construction industry. Includes interior and exterior materials used in everything from foundations to roof systems. This course was previously listed as AEC 116.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 1520 - Construction Materials and Systems

3 Credits

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. This course was previously listed as AEC 121.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 2075 - Special Topics

0-12

Provides students with a vehicle to pursue in depth exploration of a special topic of interest. This course was previously listed as AEC 275.

AEC 2080 - Internship

3 Credits

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. This course was previously listed as AEC 280.

AEC 2080 - Internship

1 Credit

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. This course was previously listed as AEC 280.

AEC 2210 - Architectural Design and Analysis

4 Credits

Reviews conceptual design and architectural drafting techniques. The students will be introduced to site analysis through observation and sketching. Students will be required to present a design solution and evaluation of an assigned project through a combination of conceptual models, drawings, and sketches using various computer aided design programs. This course was previously listed as AEC 202.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math and AEC 1250

AEC 2220 - Architectural Graphics

3 Credits

Introduces graphic concepts to architectural students and develops graphic design techniques and rendering using pencil, ink, and color media. Both freehand and mechanical methods are stressed. Student will be able to produce architectural presentations. Note: This course was previously listed as AEC 204.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 2230 - Architectural Design and Development

4 Credits

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(s): College Readiness in English and Quantitative Literacy Math and AEC 2210

AEC 2300 - Sustainable Building Systems

3 Credits

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. Note: This course was previously listed as AEC 218.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 2310 - LEED Exam Preparation

3 Credits

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. Note: This course was previously listed as AEC 219.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 2411 - Applied Structural Analysis

3 Credits

Studies fundamental structural elements and building structures. Building forces, transfer of forces, and structural members and systems are investigated through computation and project work. Fundamental engineering theory related to steel, wood, reinforced concrete and masonry are introduced. Note: This course was previously listed as AEC 206.

Prerequisite(s): College Readiness in English and MAT 1340 or higher

AEC 2520 - Building Environmental Systems I

3 Credits

Introduces concepts in operation and design of mechanical and sustainable (green) building systems that provide a healthy, comfortable and productive indoor air environment. Major topics covered include thermal comfort; heat and moisture flow in buildings; indoor air quality; electrical systems pertaining to building function and mechanical (HVAC and solar thermal) systems for climate in buildings. Note: This course was previously listed as AEC 208.

Prerequisite(s): MAT 1340 and AEC 1510

AEC 2610 - Construction Estimating

3 Credits

Covers basic construction estimating. The student will develop skills in estimating the amount and cost of various constructions. He/She will demonstrate these skills by making estimates of material and labor quantities and cost for representative types of construction. Note: This course was previously listed as AEC 216.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 2611 - Estimating II: Cost Analysis

3 Credits

Focuses on estimating techniques used to establish and verify costs of materials, equipment, and labor and the time requirements related to building construction projects. Emphasis is placed on preparation of an estimate of construction costs of a commercial building. Note: This course was previously listed as AEC 231.

Prerequisite(s): AEC 2610

AEC 2620 - Surveying

3 Credits

The course includes the fundamentals of plane surveying and basic surveying instruments. It emphasizes construction-related aspects of surveying and the

development of skills in using surveying field information. Surveying projects are generally covered in coordinated and fieldwork segments. Note: This course was previously listed as AEC 220.

Prerequisite(s): College Readiness in English and MAT 1150 or higher

AEC 2630 - Construction Scheduling

3 Credits

Perform research using various methods of project scheduling. Emphasis will be placed on critical path method techniques and strategies. Note: This course was previously listed as AEC 226.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 2640 - Contracts and The Legal Environment

3 Credits

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. Note: This course was previously listed as AEC 228.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 2700 - International Building Codes

3 Credits

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. Note: This course was previously listed as AEC 236.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AEC 2930 - Professional Workplace Skills and Presentation

3 Credits

Implements workplace tools and skills of the architecture profession and construction industry. Includes instruction on developing a resume and design portfolio in a visually artistic and professional manner. The course will also include lessons in workplace, customer and client relations, team building, participation, and employer expectations. Note: This course was previously listed as AEC 255.

Prerequisite(s): College Readiness in English, MAT 1150, and AEC 2230

CON 1010 - Introduction to Construction: Part I

4 Credits

Explores the expanding array of careers within the construction industry. Explores the expanding array of careers within the construction industry. Students will be exposed to the construction industry through job site tours, hands-on experience, and classroom activities. Math and science application will be established through the

academic integration of jobsite technical skills and classroom theory.

CON 1011 - Introduction to Construction: Part II

4 Credits

Explores additional careers within the construction industry. Students will be exposed to the construction industry through job site tours, hands-on experience, and classroom activities. Math and science application will be established through the academic integration of jobsite technical skills and classroom theory.

Prerequisite(s): CON 1010

CON 1057 - National Center for Construction Education & Research Core

5 Credits

Introduces the fundamentals for all construction trades to include basic construction site safety, introduction to construction math, introduction to power tools, introduction to construction drawings, basic communication skills, basic employability skills, and introduction to material handling. This course is designed as an entry level course for any of the building trades program specialties.

CON 2080 - Internship

2 Credits

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

Prerequisite(s): OSH 1310

CON 2085 - Independent Study

2 Credits

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus.

CON 2089 - Capstone: Construction

2 Credits

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style Guide for Course Description, Required Course Learning Outcome, and Topical Outline guidelines.

Prerequisite(s): OSH 1310

Army ROTC

For additional information concerning ROTC, please call 303.492.6495

ARM 1011 - Adventures in Leadership I

2 Credits

Introduces the student to fundamentals of leadership and the United States Army. Includes Army leadership doctrine, team-building concepts, time and stress management, an introduction to cartography and land navigation, marksmanship, briefing techniques and basic military tactics. Includes lecture and laboratory. Physical training 3 hrs/week Fall. Lab fee. Note: This course was previously listed as ARM 111.

ARM 1012 - Adventures in Leadership II

2 Credits

Investigates leadership in small organizations. Covers basic troop leading procedures, military first aid and casualty evacuation concepts, creating ethical work climates, an introduction to Army organizations and installations and basic military tactics. Introduces students to effective military writing styles. Includes lecture and laboratory. Physical training 3 hrs/week. Spring Lab fee. Note: This course was previously listed as ARM 112.

Prerequisite(s): ARM 1011

ARM 2011 - Methods of Leadership and Management I

3 Credits

Reviews leadership and management concepts including motivation, attitudes, communication skills, problem solving, human needs and behavior and leadership self-development. Students refine written and oral communications skills and explore the basic branches of the Army and officer and NCO duties. Students conduct practical exercises in small unit light infantry tactics and perform as mid-level leaders in the organization. Includes lecture and laboratory. Physical training 3 hrs/week. Fall. Lab fee. Note: This course was previously listed as ARM 211.

Prerequisite(s): ARM 1012

ARM 2012 - Methods of Leadership and Management II

3 Credits

Focuses on leadership and management functions in military and corporate environments. Studies various components of Army leadership doctrine to include the four elements of leadership, leadership principles, risk management and planning theory, the be-know-do framework and the Army leadership evaluation program. Continue to refine communication skills. Includes lecture and laboratory. Physical training 3 hrs/week. Spring. Lab fee. Note: This course was previously listed as ARM 211.

Prerequisite(s): ARM 2011

Art

ART 1001 - Color Theory

3 Credits

Explores the properties and concepts of color for application in fine art, commercial art and/or applied arts using various traditional fine art techniques and materials. Note: This course was previously listed as ART 230.

ART 1002 - Visual Concepts 2-D Design

3 Credits

Examines the basic elements of design, visual perception and artistic form and composition as they relate to two-dimensional media. Note: This course was previously listed as ART 131.

ART 1003 - Visual Concepts 3-D Design

3 Credits

Introduces the fundamentals of three-dimensional design, form, and space. The course applies the elements and principles of design to three-dimensional problems. Note: This course was previously listed as ART 132.

ART 1004 - 4-D Design: Time-Based Art

3 Credits

Explores the artistic possibilities of time and movement in art and design. These include analog and digital art forms ranging from performance art through animation and video. Emphasis is placed on creative problem solving skills and the application of elements and principles of design in time-based media. Note: This course was previously listed as ART 134.

ART 1005 - Digital Art Foundations I

3 Credits

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

ART 1075 - Special Topics

1-6 Variable Credits

Provides the student with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as ART 175.

ART 1085 - Independent Study

2 Credits

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

ART 1110 - Art Appreciation: GT-AH1

3 Credits

Introduces the cultural significance of the visual arts, including media, processes, techniques, traditions, and terminology. Note: This course was previously listed as ART 110.

ART 1111 - Art History I Ancient to Medieval: GT-AH1

3 Credits

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. Note: This course was previously listed as ART 111.

ART 1112 - Art History II Renaissance to Modern: GT-AH1

3 Credits

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 Note: This course was previously listed as ART 112.

ART 1113 - Art History-1900 to Present: GT-AH1

3 Credits

Introduces the concepts necessary to understand modern visual art, with an emphasis on world art of the 20th century. This course surveys world art of the 20th century, including Modernism to Post-Modernism. This is a statewide Guaranteed Transfer course in the GT-AH1 category. Note: This course was previously listed as ART 207.

ART 1115 - History of Photography

3 Credits

Surveys the history of photography from its beginnings to the present. This course emphasizes artistic movements and individual photographers who have made significant contributions to the field. Includes technical, artistic, social, and commercial development of photography as a form of visual communication. Note: This course was previously listed as ART 113.

ART 1116 - Museum Studies

3 Credits

Provides an overview of the museum field. Covers the museum as a business, its history and role in society and planning and implementation of a museum exhibition. Note: This course was previously listed as ART 205.

ART 1118 - Art Education Methods

3 Credits

Focuses on a multimedia approach to teaching art. Emphasizes strong creative presence, philosophy, and techniques in drawing, painting, printmaking, and other media.

ART 1119 - Introduction to Art Therapy

3 Credits

Provides an introduction to the discipline of art therapy and its relationship to allied professions. Includes a historical overview of the profession and an introduction to theoretical approaches within the field. Students are encouraged to experiment with an array of art media in context to art as therapy and art psychotherapy.

ART 1201 - Drawing I

3 Credits

Investigates the various approaches and media that students need to develop drawing skills and visual perception. Note: This course was previously listed as ART 121.

ART 1202 - Drawing II

3 Credits

Explores expressive drawing techniques with an emphasis on formal composition, color media and content or thematic development, Note: This course was previously listed as ART 221.

Prerequisite(s): ART 1201

ART 1203 - Figure Drawing I

3 Credits

Introduces the basic techniques of drawing the human figure. Note: This course was previously listed as ART 128.

ART 1205 - Drawing for the Graphic Novel

3 Credits

Introduces the drawing and fine art principles used in developing illustrations for the graphic novel. Students explore the graphic novel as a vehicle for a unique, personal venue for artistic expression. Students explore the history of the graphic novel as well as examine different artistic styles used in the development of graphic novel illustrations. The application of artistic concepts in the creation of an individual graphic work and thorough examination of course material in terms of style, design considerations and visual elements are the primary focus. Students will create images for a graphic novel, focusing on unity of style and techniques for creating images appropriate to story line using black and white or grayscale illustrations.

ART 1301 - Painting I

3 Credits

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. Note: This course was previously listed as ART 151.

ART 1302 - Painting II

3 Credits

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. Note: This course was previously listed as ART 251.

Prerequisite(s): ART 1301

ART 1304 - Figure Painting I

3 Credits

Focuses on painting the human figure, and includes a brief survey of figure painting, and instruction in the fundamental methods of composition and expressions. Note: This course was previously listed as ART 154.

ART 1305 - Landscape Painting

3 Credits

Focuses on specific landscape concerns in the painting media of your choice. Note: This course was previously listed as ART 152.

ART 1307 - Watercolor I

3 Credits

Provides an introduction to the basic techniques and unique aspects of materials involved in the use of either transparent or opaque water media or both. Color theory is included. Note: This course was previously listed as ART124.

ART 1308 - Watercolor II

3 Credits

Continues the study of watercolor techniques, emphasizing original compositions and experimentation with materials. Color theory is included. Note:

This course was previously listed as ART 224.

Prerequisite(s): ART 1307

ART 1401 - Digital Photography I

3 Credits

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. Note: This course was previously listed as ART 139.

Prerequisite(s): ART 1403

Corequisite(s): ART 1403

ART 1402 - Darkroom Photography I

3 Credits

Introduces black-and-white film photography as a fine art medium and develops skills necessary for basic camera and lab operations. Note: This course was previously listed as ART 138.

ART 1403 - Digital Darkroom

3 Credits

Teaches computer aided photography and darkroom techniques. The emphasis of this course is image-editing software, which can be used to color correct, retouch and composite photographic images. Other topics include image acquisition, storage, file management, special effects, hard copy and Web-based image output. Note: This course was previously listed as ART 145.

Prerequisite(s): ART 1401

ART 1404 - Color Photography I

3 Credits

This course covers the fundamentals of color photography such as color theory and light, production, processing and printing of color negatives. Note: This course was previously listed as ART 140.

Prerequisite(s): ART 1401

ART 1501 - Printmaking I

3 Credits

Introduces the basic techniques and skills of printmaking as a fine art media. Instruction includes an understanding of visual concepts as they relate to prints. May include introduction to relief, intaglio, lithography and screen printing techniques. Note: This course was previously listed as ART 129.

ART 1502 - Printmaking II

3 Credits

Introduces more advanced techniques and skills of printmaking as a fine art media. Instruction includes an understanding of visual concepts as they relate to prints. May include introduction to relief, intaglio, lithography and screen printing techniques. Note: This course was previously listed as ART 229.

Prerequisite(s): ART 1501

ART 1603 - Sculpting The Figure

3 Credits

Focuses on sculpting the human figure using modeling techniques in clay. Note: This course was previously listed as ART 167.

Prerequisite(s): ART 1601 or ART 1003

ART 1604 - Jewelry and Metalwork I

3 Credits

Introduces metalsmithing techniques and design used for jewelry and small scale sculptural objects. This course introduces fabrication and forming techniques such as soldering, forming, hollow construction, cold connections, surface treatment, finishing processes, and basic stone setting. This course includes generating and constructing functional jewelry and sculpture. Note: This course was previously listed as ART 133.

ART 1605 - Jewelry & Metalwork II

3 Credits

Introduces intermediate metalsmithing techniques and design used for jewelry and small-scale, sculptural objects. This course covers intermediate fabrication and forming techniques including synclastic and anticlastic forming, forging, advanced soldering techniques, and lost-wax casting. This course involves generating and constructing both functional jewelry and sculpture, as well as emphasizing individual research, compositional development, and critical analysis. Note: This course was previously listed as ART 233.

Prerequisite(s): ART 1604

ART 1606 - Enameling on Metal

3 Credits

Introduces enameling techniques on metal for jewelry and small-scale sculptural objects. This course explores opaque and transparent enamels as well as alternative materials such as enamel watercolor or pencils. This course includes enameling techniques such as sifting, stenciling, sgraffito, basse taille, wet packing, champlevé, and cloissonné. This course requires generating samples and constructing final pieces in jewelry and small-scale sculpture and emphasizes individual research, compositional development, and critical analysis. Note: This course was previously listed as ART 137.

Prerequisite(s): ART 1604

ART 1701 - Handbuilt Clay I

3 Credits

Provides instruction in several methods of hand building and the study of functional and decorative design elements.

ART 1702 - Handbuilt Clay II

3 Credits

Provides continued instruction in various methods of hand building.

Prerequisite(s): ART 1701

ART 1703 - Ceramics I

3 Credits

Introduces traditional and contemporary approaches to ceramic form and processes, with an emphasis on hand building techniques, and a basic introduction to the potter's wheel. This course includes basic surface design, glaze, and kiln firing procedures. Note: This course was previously listed as ART 161.

ART 1704 - Ceramics II

3 Credits

Course covers ceramic wheel throwing and explores intermediate-level traditional and contemporary approaches to ceramic form and processes. This course emphasizes wheel throwing techniques and forms. It covers additional development of surface design, glazing, glaze formulation, and kiln firing procedures.

Prerequisite(s): ART 1703

ART 2075 - Special Topics

1-6 Variable Credits

Provides the student with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as ART 275.

ART 2076 - Special Topics

1-6 Variable Credits

Provides the student with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as ART 276.

ART 2077 - Special Topics

1-6 Variable Credits

Provides the student with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as ART 277.

ART 2085 - Independent Study

1-6 Variable Credits

Provides structured and guided, individualized research that is organized and tailored around the interest needs of the individual student. Note: This course was previously listed as ART 285.

Required: Instructor's permission

ART 2086 - Independent Study

1-6 Variable Credits

Provides the opportunity for students to undertake special project(s) or research in any of the disciplines involving the visual arts, including, but not limited to, gallery or museum administration, art history, graphic design, or other studio work. Instruction is provided by the Instructor and is totally based on the student's independent study agreement. Note: This course was previously listed as ART 286.

Required: Instructor's permission

ART 2089 - Capstone

3 Credits

Provides a demonstrated culmination of learning within a given program of study. Note: This course was previously listed as ART 289.

ART 2203 - Advanced Figure Drawing

3 Credits

Provides continuing study of the various methods of drawing the human figure, with emphasis on the description of form and individual style. Note: This course was previously listed as ART 228.

Prerequisite(s): ART 1203 or ART 1304

ART 2301 - Painting III

3 Credits

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. Note: This course was previously listed as ART 252.

Prerequisite(s): ART 1302

ART 2302 - Painting IV

3 Credits

Explores advanced techniques, materials and concepts used in opaque painting processes, with emphasis on the development of themes and a cohesive body of work. Note: This course was previously listed as ART 253.

Prerequisite(s): ART 2301

ART 2307 - Watercolor III

3 Credits

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. Note: This course was previously listed as ART 225.

Prerequisite(s): ART 1308

ART 2401 - Digital Photography II

3 Credits

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. Note: This course was previously listed as ART 239.

Prerequisite(s): ART 1401

ART 2402 - Darkroom Photography II

3 Credits

Explores intermediate-to-advanced level film camera and darkroom lab operations. This course emphasizes individual creativity and conceptual use of the medium, and includes the development of a comprehensive portfolio. Note: This course was previously listed as ART 238.

Prerequisite(s): ART 1402

ART 2404 - Color Photography II

3 Credits

Designed for students who are approaching a personal style and aesthetic in the medium of color photography. It is an extension of Color Photography I. Personal expression is stressed through individual critiques. Note: This course was previously listed as ART 240.

Prerequisite(s): ART 1404

ART 2405 - Portrait Photography

3 Credits

Teaches the technical and aesthetic aspects of studio and location portrait photography. This course explores the personal style of portraiture, history of the field and portraiture and as a visual language and creative expression. This topic also includes lighting composition, posing and equipment selection. Note: This course was previously listed as ART 144.

Prerequisite(s): ART 1401

ART 2406 - Figure Photography I

3 Credits

Introduces students to the social, artistic and photographic aspects of fine art figure studies in photography, as the human figure is one of the most studied and practiced subjects in the field of creative visual expression. Students have the opportunity to photograph the figure using professional lighting equipment and professional models. Students are expected to push the limits of their artistic and creative abilities, as well as develop technical skills used in figure and other areas of fine art photography. Professional ethics, concerns, as well as group critiques are used throughout the course. Choice of camera, either digital or film, is left up to the student. Note: This course was previously listed as ART 143.

Prerequisite(s): ART 1401

ART 2407 - Landscape Photography

3 Credits

Focuses on traditional and contemporary approaches to landscape photography. This course examines historic, technical, and aesthetic aspects of landscape photography. Note: This course was previously listed as ART 142.

Prerequisite(s): ART 1401

ART 2408 - Studio Photography

3 Credits

Explores the creative uses of studio lighting from the perspective of fine art photography with an emphasis on portraiture, three-dimensional object photography and two-dimensional collage photography. Note: This course was previously listed as ART 141.

Prerequisite(s): ART 1401

ART 2409 - Large Format Photography

3 Credits

Introduces the visual aesthetics and techniques of view camera photography. Students receive hands-on photographic experience with the 4x5 view camera, process film and produce prints. Note: This course was previously listed as ART 241.

Prerequisite(s): ART 1401 or ART 1402

ART 2410 - Alternative Photo Processes

3 Credits

Explores non-silver photographic processes including Cyanotype, Kallitype, Palladium, Gum, Bromoil, or other handmade darkroom printing techniques. This course teaches production of enlarged digital negatives from original images and scanned objects for contact printing with these processes. This course includes traditional darkroom and mixed media techniques. Note: This course was previously listed as ART 242.

Prerequisite(s): ART 1401 or ART 1402

ART 2603 - Jewelry & Metalwork III

3 Credits

Continues intermediate metalsmithing techniques and design used for jewelry and small-scale sculptural objects. This course

covers intermediate fabrication and forming techniques, such as chasing and repoussé, chain making, and mechanisms. This course includes generating and constructing functional jewelry and sculpture, and emphasizes ideation practices including individual research, compositional development, and critical analysis. Note: This course was previously listed as ART 234.

Prerequisite(s): ART 1605

ART 2604 - Jewelry & Metalwork IV

3 Credits

Continues the development of metalsmithing techniques and design used for jewelry and small-scale sculptural objects. Topics include advanced fabrication and forming techniques, such as advanced stone setting, die forming, and alternative casting processes. This course includes the generation and construction of functional jewelry and sculpture while emphasizing ideation practices that include individual research, compositional development, and critical analysis. This course also focuses on creating a cohesive body of work for a portfolio. Note: This course was previously listed as ART 235.

Prerequisite(s): ART 2603

ART 2703 - Ceramics III Molds and Casting

3 Credits

Covers ceramic mold making and slip casting techniques and explores intermediate-level traditional and contemporary approaches to ceramic form and additional development of surface design, glazing, glaze formulations, and kiln firing procedures as it applies to molded and cast forms. Note: This course was previously listed as ART 262.

Prerequisite(s): ART 1701 and (ART 1703 or ART 1704)

ART 2704 - Ceramics IV

3 Credits

Explores advanced level ceramic form and surface design. This course includes advanced use of clay bodies, unique glazes, engobes, surface textures, and firing methods. Emphasis is placed on individual style and developing strategies to translate an idea into sculptural and functional forms. Note: This course was previously listed as ART 263.

Prerequisite(s): ART 1704 or ART 2703

ART 2902 - Marketing for Visual Arts

3 Credits

Provides students with the framework, tools and professional materials necessary for the practicing visual artist. Guidelines for writing proposals, artist's statements and resumes are discussed and practiced. Explores theoretical and practical considerations related to portfolio presentation and exhibiting artwork through hands-on activities, readings and discussions. Note: This course was previously listed as ART 210.

Astronomy

AST 1110 - Planetary Astronomy with Lab: GT-SC1

4 Credits

Emphasizes the structure and life cycle of the stars, the sun, galaxies, and the universe. This course also includes cosmology and relativity, and incorporates laboratory experience. This is a statewide Guaranteed Transfer course in the GT- SC1 category. Note: This course was previously listed as AST 101.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AST 1120 - Stellar Astronomy with Lab: GT-SC1

4 Credits

Emphasizes the structure and life cycle of the stars, the sun, galaxies, and the universe as a whole, including cosmology and relativity. Incorporates laboratory experience. This is a statewide Guaranteed Transfer course in the GT- SC1 category. Note: This course was previously listed as AST 102.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AST 1140 - Astronomy of Ancient Cultures: GT-SC2

3 Credits

Introduces the study of archaeoastronomy and ethnoastronomy. The principles of unaided eye observational astronomy, timekeeping, navigation, religion and ritual, political power, cosmology, and worldview are covered. Methods of the ethnoastronomer, including measurement of architectural alignments, analysis of written records, examination of art, and general knowledge about a culture, will be discussed. This is a statewide Guaranteed Transfer course in the GT-SC2 category. Note: This course was previously listed as AST 155.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AST 1150 - Astrobiology: Life in the Universe - GT-SC2

3 Credits

Introduces the interdisciplinary and scientific study of the search for life in the universe. Questions of how life begins and evolves on Earth, the possibilities of other life in the solar system, the galaxy, and throughout the universe will be examined. Investigation of current explorations and the search for extraterrestrial life will also be covered. This is a statewide Guaranteed Transfer course in the GT-SC2 category.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AST 1160 - Cosmology: Origin and Evolution of the Universe: GT-SC2

3 Credits

Explores the birth, large-scale structure, and eventual fate of the universe. Evidence for, and science behind, the Big Bang and inflation, the expanding universe, dark matter and dark energy, and the possible futures of the universe as a whole are

presented. Unification theories may be covered. This is a statewide Guaranteed Transfer course in the GT-SC2 category. Note: This course was previously listed as AST 160.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

AST 2075 - Special Topics In Astronomy

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as AST 275.

AST 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as AST 285.

Required: Instructor's permission

Automotive Technology

ASE 1001 - Auto Shop Orientation

2 Credits

Covers safety instruction in the shop and on the automobile. Emphasis on the proper use and care of test equipment, precision measuring and machining equipment, gaskets, adhesives, tubing, wiring, jacks, presses, and cleaning equipment and techniques. Note: This course was previously listed as ASE 101.

ASE 1003 - Auto Maintenance I

2 Credits

Covers the basics of how various systems on the automobile operate, maintenance requirements, and financial concerns related to operating and maintaining an automobile. Note: This course was previously listed as ASE 103.

ASE 1010 - Automotive Brake Service I

2 Credits

Introduces the basic theory of automotive braking systems including operation, diagnosis, basic repair of disc and drum friction assemblies, and basic hydraulic braking systems. This course meets MLR/AST/MAST program accreditation requirements. Note: This course was previously listed as ASE 110.

ASE 1011 - Automotive Brake Service II

2 Credits

Covers diagnostics, test procedures, and repair to automotive foundation braking system. This course also introduces the components, types of Antilock Braking Systems (ABS), and traction control systems of current vehicles. This course meets MLR/AST/MAST program accreditation requirements. Note: This course was previously listed as ASE 111.

Prerequisite(s): ASE 1010

ASE 1020 - Basic Automotive Electricity

2 Credits

Introduces vehicle electricity, basic electrical theory, circuit designs, and wiring methods. This course focuses on multimeter usage and wiring diagrams. This course meets MLR/AST/MAST requirements. Note: This course was previously listed as ASE 120.

ASE 1022 - Automotive Electrical Safety Systems

1 Credit

Covers the operation of electrical systems including vehicles safety concerns of vehicle lighting systems, Supplemental Inflatable Restraints (SIR), windshield wipers, driver warning systems, and vehicle accessories. This course meets MLR/AST/MAST program requirements. Note: This course was previously listed as ASE 122.

ASE 1023 - Starting and Charging Systems

2 Credits

Covers the operation and theory of a vehicle battery, testing, service, and repair of starting and charging systems including voltage testing, draw testing. This course meets MLR/AST/MAST program requirements. Note: This course was previously listed as ASE 123.

Prerequisite(s): ASE 1020

ASE 1030 - General Engine Diagnosis

2 Credits

Covers how to perform basic engine diagnosis to determine condition of engine including engine support systems. This course meets MLR/AST/MAST requirements. Note: This course was previously listed as ASE 130.

ASE 1034 - Automotive Fuel and Emissions Systems I

2 Credits

Focuses on the diagnosis and repair of automotive fuel emission control systems, filter systems, and spark plugs. This course also includes maintenance to Diesel Exhaust Fluid (DEF) systems. Note: This course was previously listed as ASE 134.

ASE 1040 - Suspension and Steering I

2 Credits

Focuses on diagnosis and service of suspension and steering systems and components. This course meets MLR/AST/MAST requirements. Note: This course was previously listed as ASE 140.

ASE 1041 - Suspension and Steering II

2 Credits

Covers design, diagnosis, inspection, service of suspension, and steering systems used on light trucks and automobiles including power steering and Supplemental Restraint System (SRS) service. This course meets AST/MAST requirements. Note: This course was previously listed as ASE 141.

Prerequisite(s): ASE 1040

ASE 1050 - Manual Drive Train and Axle Maintenance

2 Credits

Covers the operating principles and repair procedures relating to axle-shafts, propeller shafts, and universal joints. This course meets MLR/AST/MAST requirements. Note: This course was previously listed as ASE 150.

ASE 1051 - Automotive Manual Transmission/Transaxles & Clutches I

2 Credits

Focuses on the diagnosis and repair of automotive manual transmissions, transaxles, clutches, and related components. This course meets AST/MAST requirements. Note: This course was previously listed as ASE 151.

ASE 1052 - Manual Transmission, Transaxles and Clutches II

2 Credits

Focuses on lecture and related laboratory experiences in the diagnosis and repair of automotive differentials, four wheel and all-wheel drive units. Note: This course was previously listed as ASE 152.

ASE 1053 - Automotive Drive Axle Overhaul

2 Credits

Teaches the student skills to check, inspect, and replace parts necessary to rebuild differential assembly. Note: This course was previously listed as ASE 153.

ASE 1054 - Manual Transmission/Transaxle Diagnosis and Repair

1 Credit

Covers operation, diagnosis and repair procedures of manual transmission and transaxle assemblies. Note: This course was previously listed as ASE 154.

ASE 1060 - Automotive Engine Repair

2 Credits

Focuses on the service of cylinder head, valve-train components, and cooling system components including engine removal, re-installation, and re-mounting systems. This course meets MLR/AST/MAST requirements. Note: This course was previously listed as ASE 160.

ASE 1062 - Automotive Engine Service

2 Credits

Covers engine sealing requirements and repair procedures including engine fasteners, bolt torque, repair of fasteners, cooling system, and basic engine maintenance. This course meets AST/MAST requirements. Note: This course was previously listed as ASE 162.

ASE 1091 - Automotive Engine Repair and Rebuild

4 Credits

Focuses on the disassembly, diagnosis, and reassembly of the automotive engine including the diagnostic and repair procedures for the engine block and

cylinder head assemblies. This course meets MAST requirements.

ASE 2010 - Automotive Power and ABS Brake Systems

2 Credits

Covers the operation and theory of the modern automotive braking systems including the operation, diagnosis, service, and repair of the anti-lock braking systems and power assist units. This course also covers the machining operations of today's automobile brake systems. This course meets AST/MAST requirements. Note: This course was previously listed as ASE 210.

Prerequisite(s): ASE 1010

ASE 2020 - Specialized Electronics Training

2 Credits

Provides a systematic approach to automotive electrical and electronic systems. This course applies electrical principles to semiconductors and microprocessors commonly found in automobiles and covers diagnostic procedures that have applications to present and future automotive electronics and electrical systems.

ASE 2035 - Driveability & Diagnosis

2 Credits

Focuses on diagnostic techniques and the use of diagnostic scan tools, oscilloscopes, lab scopes, multi-meters, and gas analyzers. Note: This course was previously listed as ASE 235.

Prerequisite(s): ASE 1020

ASE 2050 - Automatic Transmission/Transaxle Service

1 Credit

Focuses on practical methods of maintaining, servicing, and performing minor adjustments on an automatic transmission and transaxle. This course meets MLR/AST/MAST requirements. Note: This course was previously listed as ASE 250.

ASE 2051 - Automotive Transmission & Transaxle Repair

3 Credits

Covers diagnosis, principles of hydraulics, principles of electronic components, power flow, theory of operation including removal, installation, and replacement of transmission/transaxle and components. This course meets AST/MAST requirements. Note: This course was previously listed as ASE 251.

ASE 2052 - Advanced Automatic Transmissions/Transaxles

2 Credits

Covers the diagnosis, repair, and rebuild of automatic transmissions and transaxles including the hydraulic, electronic, and mechanical components. This course meets MAST requirements. Note: This course was previously listed as ASE 252.

ASE 2064 - Introduction to Automotive Heating and Air Conditioning

1 Credit

Covers basic operation of heating and air conditioning components. This course meets MLR/AST/MAST requirements. Note: This course was previously listed as ASE 264.

ASE 2076 - Special Topics

1-9 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as ASE 276.

ASE 2087 - Cooperative Education

1 Credit

Develops practical objectives assigned by an automotive employer providing an on-the-job learning experience at an approved automotive repair facility. Note: This course was previously listed as ASE 287.

ASE 2095 - Heating and Air Conditioning Systems

3 Credits

Covers the diagnosis and service of vehicle heating and air conditioning systems and their components. This course meets AST/MAST requirements.

ASE 2191 - Automotive And Diesel Body Electrical

3 Credits

Provides a comprehensive study of the theory, operation, diagnosis, and repair of vehicle accessories. This course meets AST/MAST requirements.

ASE 2192 - Automotive Computers and Ignition Systems

3 Credits

Focuses on the inspection and testing of typical computerized engine control and ignition systems. This course meets AST/MAST requirements.

ASE 2193 - Automotive Fuel Injection and Emissions Systems II

3 Credits

Focuses on the diagnosis and repair of electronic fuel injection systems and modern exhaust systems. This course meets AST/MAST requirements.

ASE 2194 - Suspension and Steering III

3 Credits

Covers operation of steering and power steering systems including different alignment types and procedures.

Behavioral Health

BEH 1001 - MHCI: Mental Health Crisis and Intervention: Preparedness and Empathy

3 Credits

Focuses on the skills necessary to recognize and assess warning signs of mental health distress and crisis intervention through evidence-based practices. This course also emphasizes trauma-informed care, non-violent crisis intervention, and interventions for diverse populations. This course will prioritize

preparation for becoming a compassionate and skilled crisis intervention professional.

BEH 1030 - Case Management and Clinical Documentation

1 Credit

Focuses on behavioral health case management through documentation of services provided, including interventions, goals, progress, needs assessments, care coordination, client-centered empowerment, and reflective practice. This course does not focus on specific addiction related criteria or regulations, nor does it meet Certified Addiction Technician certification requirements.

BEH 2030 - Applied Therapeutic Communication Skills

3 Credits

Provides effective communication techniques in behavioral health settings to forge meaningful connections with clients and provide support and guidance on their journey towards improved mental health and well-being. The course focuses on establishing rapport, demonstrating empathy, and facilitation of meaningful dialogues with clients across diverse populations, settings, and presenting concerns through experiential learning and self-reflection.

Biology

BIO 1003 - Principles of Animal Biology: GT-SC2

3 Credits

Introduces the study of animals and their interactions with the environment. This course includes principles of evolution, taxonomy, phylogeny, morphology, behavior and ecology. It includes the study of animal diversity, emphasizing the characteristics and classifications of major phyla. The loss of biodiversity and conservation will also be covered. This is a statewide Guaranteed Transfer course in the GT-SC2 category. Note: This course was previously listed as BIO 103.

BIO 1004 - Biology: A Human Approach: GT-SC1

4 credits

Develops a basic knowledge of the structure and function of the human body by studying the body`s structure as a series of interrelated systems. Includes cardiovascular, respiratory, digestive, lymphatic, musculoskeletal, nervous, endocrine, reproductive and urinary systems, and genetics. Emphasizes disease prevention and wellness. This course includes laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as BIO 104.

BIO 1005 - Science of Biology: GT-SC1

4 Credits

Examines the basis of biology in the modern world and surveys the current knowledge and conceptual framework of the discipline. Biology as a science- process of gaining new knowledge-is explored as is the impact of biological science on society. This course includes laboratory experiences. Note: This course was previously listed as BIO 105.

BIO 1006 - Basic Anatomy and Physiology

4 Credits

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. Note: This course was previously listed as BIO 106.

BIO 1010 - Biology Foundations

2 Credits

Introduces foundational concepts for Human Anatomy and Physiology as well as Microbiology including macromolecules and cell structures, functions, and processes. This is a non-laboratory course.

BIO 1015 - Human Genetics

3 Credits

Focuses on a study of the inheritance of human traits. It is a non-mathematical study for the non-science major. Includes Mendelian, non-Mendelian, sex-linked, blood type traits, inherited diseases and ethics. Note: This course was previously listed as BIO 115.

BIO 1016 - Introduction to Human Disease: GT-SC2

3 Credits

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. Note: This course was previously listed as BIO 116.

BIO 1111 - General College Biology with Lab: GT-SC1

5 Credits

Examines the fundamental molecular, cellular and genetic principles characterizing plants and animals. Includes cell structure and function and the metabolic processes of respiration and photosynthesis, as well as cell reproduction and basic concepts of heredity. This course includes laboratory experience. Note: This course was previously listed as BIO 111.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

BIO 1112 - General College Biology II with Lab: GT-SC1

5 Credits

Examines the fundamental principles of ecology, evolution, classification, structure, and function in plants and animals. This course includes a laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as BIO 112

Prerequisite(s): College Readiness in English and Quantitative Literacy Math and BIO 1111

BIO 1160 - Introduction to Biotechnology

3 Credits

Introduces the student to modern molecular biology technologies that include DNA, RNA, and proteins and prepares them for research and industry. Laboratory experience includes sterile technique, microscopy, media preparation, and bacterial culturing. Note: This course was previously listed as BIO 160.

BIO 2101 - Human Anatomy and Physiology I with Lab: GT-SC1

4 Credits

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 integument skeletal, articulations, muscular, nervous and endocrine systems. Includes a mandatory hands-on laboratory experience covering experimentation, cadaver workshops, microscopy, observations and dissection. This is the first semester of a two-semester sequence. Note: This course was previously listed as BIO 201.

Prerequisite(s): BIO 1111 or BIO 1010

BIO 2102 - Human Anatomy and Physiology II with Lab: GT-SC1

4 Credits

Focuses on the integrated study of the human body and the histology, anatomy, and physiology of the following systems and topics: endocrine, cardiovascular, hematology, lymphatic and immune, urinary, fluid and electrolyte control, digestive, nutrition, respiratory, reproductive, and development. Includes a mandatory hands-on laboratory experience involving microscopy, observations, and dissection. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as BIO 202.

Prerequisite(s): BIO 2101

BIO 2103 - Advanced Human Anatomy

2 Credits

Examines the gross anatomical structure of the human body and the relationship between form and function. Students will disect a human cadaver. Systems covered will include integument, digestive, respiratory, skeletal, muscular, reproductive, endocrine, lymphatic, urinary, nervous and cardiovascular. This is a course designed for allied health, education, biology and other students who wish to obtain advanced knowledge of human anatomy. Requires hands-on laboratory experience. Note: This course was previously listed as BIO 203.

Prerequisite(s): BIO 2101

Corequisite(s): BIO 2102

BIO 2104 - Microbiology with Lab: GT-SC1

4 Credits

Covers the diversity of microorganisms, their structure, physiology, and the identification process. There is an emphasis on microorganisms that cause infectious disease and the process of infection, host immune responses, and methods to control microorganisms. Laboratory experiences include culturing, identifying, and controlling microorganisms. This course is designed for students pursuing a health science field. This is a statewide Guaranteed Transfer

course in the GT-SC1 category. Note: This course was previously listed as BIO 204.

Prerequisite(s): BIO 1111 or BIO 1010

BIO 2108 - General College Microbiology: GT-SC1

5 Credits

Surveys microorganisms with an emphasis on their structure, development, physiology, classification, and identification. Microbial diversity, functional anatomy, biochemistry, genetics, ecology, and disease are included. Mandatory hands-on laboratory experience includes sterile technique, microscopy, culture procedures, and biochemical and genetic analysis. This course is designed for biology and health science majors. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as BIO 208.

Prerequisite(s): BIO 1111

BIO 2116 - Human Pathophysiology

4 Credits

Focuses on the alterations in the physiological, cellular and biochemical processes of the human body, and the associated homeostatic responses and the manifestations of disease. Prior knowledge of cellular biology and anatomy and physiology are essential.

Prerequisite(s): BIO 2101

Corequisite(s): BIO 2102

BIO 2120 - General Zoology: GT-SC1

5 Credits

Introduces the science of invertebrate and vertebrate animal biology. This course is a study of zoological diversity emphasizing the characteristics, classification, and evolutionary relationships of major animal phyla and classes. Topics include comparative anatomy, physiology, behavior, and ecology of all major animal phyla, classes, and orders. The global loss of biodiversity and principles of conservation are also covered. This course requires hands-on laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as BIO 220.

Prerequisite(s): BIO 1112

BIO 2121 - Botany: GT-SC1

5 Credits

Covers plants, emphasizing photosynthetic pathways, form and function, reproduction, physiology, diversity, and evolution. This course requires mandatory hands-on laboratory and research experience and is designed for biology majors. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as BIO 221.

Prerequisite(s): BIO 1111 or BIO 1112 or NRE 1100 or HLT 1101

BIO 2175 - Special Topics in Biology

1-6 Variable Credits

Covers a specific topic within Biology, as determined by the Instructor. Reflects the special expertise of the faculty and/or the

special needs of the students. Note: This course was previously listed as BIO 275.

BIO 2181 - Internship

3 Credits

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. Note: This course was previously listed as BIO 281.

BIO 2185 - Independent Study

1-6 Variable Credits

Allows students to pursue a specific project within Biology. The student and Instructor determine the topic, outline of work, and method of evaluation. Note: This course was previously listed as BIO 285.

BIO 2187 - Cooperative Education

1-6 Variable Credits

Provides an opportunity to gain practical experience in applying occupational skills and/or to develop specific skills in a work setting. The Instructor works with the student to select an appropriate work site, establish learning objectives and coordinate learning activities with the employer or work site supervisor. Attendance at seminars and/or interaction with Instructor is required. Note: This course was previously listed as BIO 287.

Broadband Technology and Communication

CTC 1005 - Overview of Telecommunications

3 Credits

Provides the student with the background and history of the telecommunications field. Includes transmission systems, LAN data communication, cable communication, telephone communication and video technology.

CTC 1007 - Installer

3 Credits

Teaches the proper procedures for performing aerial, underground and interior CA TV drop installations. Note: This course was previously listed as CTC 107.

Required: This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1008 - Cable Network Overview

1 Credit

Provides technical, sales/marketing, customer service, dispatch and management personnel with general understanding of CATV System equipment operation and terminology. Note: This course was previously listed as CTC 108.

Required: This course is only available for students who are in a degree and/or certificate program through the partnership

between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1009 - Installer Technician

4 Credits

Teaches an experienced installer the CATV signal level fundamentals, test equipment, signal leakage detection procedures, and servicing single and multiple dwelling unit drops. Note: This course was previously listed as CTC 109.

Required: This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1011 - Service Technician

4 Credits

This course teaches a trained NCTI Installer Technician the basic characteristics and functions of the feeder line system active and passive devices, the fundamentals of cable powering, basic test equipment operation, signal leakage basics, coaxial cable and connectorization, and an overview of fiber optics. The study of AC electronic theory provides the foundation for understanding the lessons on coaxial cable, passive devices, amplifiers and cable powering. Note: This course was previously listed as CTC 111.

Required: This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

Prerequisite(s): CTC 1009

CTC 1013 - System Technician

4 Credits

Teaches a trained NCTI Service Technician how to activate, test and troubleshoot the RF trunk system. Covers RF trunk and distribution amplifier theory of operation and includes testing and measurement standards, and procedures. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989. Note: This course was previously listed as CTC 113.

CTC 1017 - Computers and Broadband Modems

3 Credits

Introduces Personal Computer hardware and software to use as an interface device. Focuses on the fundamentals of Personal Computers and requires no prior technical background or experience. Explains the operation of cable modems and how they work in a broadband cable network. Covers the client-server functions of CMTS and cable modems. Provides course material that is appropriate as a reference tool to understand more about Personal Computer concepts and terminology. Enables individuals to gain a comprehensive understanding of Personal Computer technology and how the PC works with broadband modems. Note: This course was previously listed as CTC 117.

Required: Employment in the Broadband

Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1018 - Broadband Digital Installer

3 Credits

Broadband Digital Installer introduces the basics of the triple-play installation of digital television, high-speed Internet, and cable telephone services. Presented are typical connection schemes and functions of home theater components, twisted-pair wire properties, Data Over Cable Service Interface Specification (DOCSIS®) cable modems, and the basics of Voice over Internet protocol (VoIP) telephony delivered over the broadband cable system. The electronics intended for entertainment in the customers home has changed significantly over the past few years. This course will dissect connection options and operating parameters of electronics such as TV sets, set-top boxes (STB), DVR's, DVD's and audio/video receivers. Students will also learn what is involved in certifying the reliability of the drop for high-speed Internet and cable telephony service and the extensive step-by-step installation procedures for each service. Detailed lessons describe twisted-pair cable with accepted installation practices when used for high-speed Internet and telephone installations. Lastly, the course teaches students special considerations when installing cable telephone service in home that have Monitored alarm systems. Note: This course was previously listed as CTC 118.

Required: Employment in the Broadband

Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1019 - DSL Installation

3 Credits

Introduces the basic operations of the telephone network, DSL technology, today's computer system hardware and software, and the Internet. Describes the procedures of installing twisted-pair inside wiring and connecting the premises to the phone network. Examines techniques on the proper use and maintenance of the tools necessary for installation and examines the step-by-step process of installing internal and external DSL modems. Provides practical techniques for applying customer service skills and instructing new customers how to get the most from their DSL service and the Internet.

CTC 1020 - Understanding Voice and Data Networks

3 Credits

Introduces telecommunications technology and terminology and develops a broad knowledge base for a career in the telecom industry. Requires no prior technical background or experience in the field. Enables a student to gain a comprehensive understanding of telecommunications technologies and their applications and implications for business. Combines computer, electrical engineering and business aspects of telecommunications, providing a thorough, up-to-date presentation of the latest technologies as

well as practical industry applications. Note: This course was previously listed as CTC 120.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1021 - Delivering Cable Services

3 Credits

Provides a thorough grounding in the fundamental concepts of broadband technology. Includes an overview of the underlying technologies of the entire broadband network from signal source to the customer premises. Focuses on a review of digital video, telephony, and high-speed data services. Addresses safety and regulatory issues. Note: This course was previously listed as CTC 121.

Required: Employment in the Broadband Industry This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1023 - Basic Troubleshooting of Broadband Technology

3 Credits

Teaches students to diagnose and resolve technical problems for customers over the phone. Provides a thorough understanding of the drop system, interconnection between devices, and other problems faced by broadband customers. Trains customer service representatives to distinguish problems that can be solved over the phone and not require a technician to be dispatched. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989. Note: This course was previously listed as CTC 123.

CTC 1024 - Troubleshooting Advanced Services

2 Credits

Focuses on making the transition from analog to digital services troubleshooting. The course teaches how digital signals are transported, explains the use of test equipment used to test digital signals in the cable plant and teaches specific techniques for troubleshooting digital video, telephony and cable modem services. Note: This course was previously listed as CTC 124.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1025 - High-Speed Data Customer Service

2 Credits

Introduces the student to High Speed Data Customer Service as an invaluable and unparalleled base of knowledge of high-speed data service, equipment, operations

and trouble shooting. Of particular value is the extensive information regarding DOCSIS 3.0 cable modems and the return path's effect on high-speed data service. The course also provides and understanding of the Internet , network and wireless communications, and other broadband access technologies. Personnel completing this course will be uniquely qualified to provide immediate and effective customer support for high-speed data service. Note: This course was previously listed as CTC 125.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1026 - Advanced High-Speed Data Customer Service

3 Credits

Provides advanced training for customer contact personnel regarding core digital concepts, computer systems and data network technologies. This course covers various aspects of personal computers including hardware, operating systems, working inside a computer, installing and supporting devices, mass storage of media, maintenance and troubleshooting. The course will provide key digital concepts and how digital relates to analog. Additionally, the OSI (open systems interconnection) model will be explored. Note: This course was previously listed as CTC 126.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

Prerequisite(s): CTC 1025

CTC 1027 - Testing and Maintenance for Fiber Technicians

2 Credits

Provides the student with an understanding of the application of fiber optic theory on the job. The course concentrates on the test equipment and procedures necessary to perform test and turn-up for new Fiber Optic links, troubleshoot service outages, and restoring fiber optic links to their original standards. The course also describes the process of Fiber Optic restoration planning and implementing preventive maintenance regimens in an HFC network. Note: This course was previously listed as CTC 127.

Required: Employment in the Broadband industry. This course is only available for students who are in a degree or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1028 - Fiber Installation and Activation

2 Credits

Provides the student with current information on the development of fiber in optical broadband networks. The student will learn the basics of light transmission through optical fibers, how fibers are combined into optical cables and how fiber networks are designed and constructed.

Network architecture, topology, and design will be covered. Training will also prepare the student to splice fibers using mechanical and fusion methods. The course teaches the topics required to provide the student with the ability to install and activate fiber optic networks. It assumes previous knowledge and experience in RF Broadband Technology. Note: This course was previously listed as CTC 128.

Required: Employment in the Broadband industry. This course is only available for students who are in a degree or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1029 - Digital Technician

3 Credits

Provides students with an overview of digital technologies as they relate to the broadband industry. Specifically, digital standards, modulation techniques, digital bandwidth management, digital carrier amplitude measurements, digital carrier quality measurements, understanding MPEG theory and practice, applying digital technologies, and troubleshooting digital services will be explored. Note: This course was previously listed as CTC 129.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1061 - Voice Communications

3 Credits

Provides students with an overview of telephone communication systems. Addresses the components and processes used in a public switched network, residence, business and special telephone service, class 5 switching centers, outside telephone plants, video delivery and video conferencing. Covers the operation and application of pagers.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1062 - Telecommunication Construction and OSHA Safety

3 Credits

Emphasizes the constant awareness of safety issues. Enables the student to understand safety issues for situations in buildings, in the field, and vehicles.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 1065 - Advanced Technician

4 Credits

This course teaches the broadband technician about the operation, set up, and

application of headend components as the transition is made from analog to digital services. Transmission lines, radio wave propagation, antennas, microwave systems, and satellite communications are fundamental topics common to analog and digital communications and will be covered in this course. Since cable operators continue to distribute analog television, analog signal processing is covered as well, along with analog video analysis and FCC proof-of-performance execution. Digital communication and related topics are taught in lessons on digital satellite receivers, digital modulators, digital processors, and equipment connection protocols. The Advanced Technician course provides important technical instruction to the successful operation and maintenance of today's sophisticated broadband cable system headend. Note: This course was previously listed as CTC 165.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses

CTC 2020 - Regulations and Standards

3 Credits

Provides the students with an overview of the regulations and standards that pertain to technicians in the communication industries. Covers regulated as well as unregulated business operations. Addresses the function and control of local regulatory agencies.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

CTC 2075 - Special Topics

3 Credits

Provides students with opportunities to study topics of special interest that are not addressed in the standard CTC program. A syllabus specifies the content of each course at the time it is offered. Contact the CTC Department Chair for additional details. Note: This course was previously listed as CTC 275.

Required: Employment in the Broadband Industry. This course is only available for students who are in a degree and/or certificate program through the partnership between NCTI and ACC. Additional charges may apply to these courses. For additional information please call 303.797.5989

Business

BUS 1015 - Introduction to Business

3 Credits

Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics. Note: This course was previously listed as BUS 115.

BUS 1016 - Personal Finance

3 Credits

Surveys the basic personal finance needs of most individuals and introduces the personal finance tools useful in planning and instituting a successful personal financial philosophy. The course emphasizes the basics of budgeting, buying, saving, borrowing, career planning, investing, retirement planning, estate planning, insurance, and income taxes. Note: This course was previously listed as BUS 116.

BUS 1017 - Business Writing

1 Credit

Focuses on effective business messages, business reports, visual graphics, electronic presentations, and proofreading. Note: This course was previously listed as BUS 117.

BUS 1020 - Introduction to E-Commerce

3 Credits

Focuses on principles of e-commerce from a business perspective, providing an overview of business and technology topics, business models, virtual value chains and social innovation and marketing strategies. The course also covers security, privacy, intellectual property rights, authentication, encryption, acceptable use policies, and legal and ethical liabilities. Note: This course was previously listed as BUS 120.

BUS 1021 - Basic Workplace Skills

1 credit

Focuses on personal and workplace skills necessary for successful performance. This course introduces project management principles necessary to effectively lead and implement a project. Note: This course was previously listed as BUS 121.

BUS 2003 - Introduction to International Business

3 Credits

Provides an understanding of the fundamental nature of international business. This 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; effects of economic, political and cultural environment on international business and trade; impact of geography on business transactions; impact of legal systems of international business; and developing an effective international marketing strategy. Note: This course was previously listed as BUS 203.

BUS 2016 - Legal Environment of Business

3 Credits

Emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role of law in social, political, and economic change business environments. Note: This course was previously listed as BUS 216.

BUS 2017 - Business Communication and Report Writing

3 Credits

Emphasizes effective business writing and covers letters, memoranda, reports, application letters, and resumes. Includes the fundamentals of business communication and an introduction to international communication. Note: This course was previously listed as BUS 217.

BUS 2026 - Business Statistics

3 Credits

Focuses on statistical study, sampling, organizing and visualizing data, descriptive statistics, probability, bi-nominal distributions, normal distributions, confidence intervals, linear regression, and correlation. Intended for business majors. Note: This course was previously listed as BUS 226.

BUS 2041 - Cultural Diversity in Business

3 Credits

Provides a guide for the business person to cultural, travel, and information resources needed in the international arena. This course focuses on communications, negotiations, networking, and understanding of the individual country's requirements for conducting business. Note: This course was previously listed as BUS 241.

BUS 2088 - Practicum

3 Credits

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. Note: This course was previously listed as BUS 288.

BUS 2089 - Business Capstone

2 Credits

Demonstrates the culmination of learning within a given program of study. This course is an application of the coursework learned in the AAS Business Administration degree. During this course, students will demonstrate their understanding of business and management in a variety of simulated scenarios applying theories, concepts, and problem-solving. Note: This course was previously listed as BUS 289.

BUS 3020 - Business Law and Ethics

3 Credits

Emphasizes the social, legal, political, and ethical responsibilities of businesses to external and internal stakeholders. This course explores various topics including corporate social responsibility, state and federal laws, contracts, intellectual property regulations, employment law, product liability, safety practices, and environmental regulations.

BUS 3040 - Sustainability and Applied Ethics

3 Credits

Explores sustainability theories, business ethics, and societal responsibilities that go beyond their economic responsibilities. This course emphasizes the complex business

environments and social expectations of corporations and emerging governance structures, management systems, and innovative business models.

Prerequisite(s): BUS 3020

BUS 3060 - Management Technology and Information Systems Processes

3 Credits

This course explores information systems and how they are helpful in decision-making and meeting operational and strategic goals. This course explores the use of hardware and software in business, as well as database management and information system fundamentals. This course will apply advanced theories of information systems and customer relationship management.

BUS 4010 - Applied Business Research and Data Analytics

3 Credits

Presents fundamental techniques to create business research design models and business data analytics for decision-making. This course integrates the principles of research methodologies, data collection, and applied statistical analytic techniques for making practical data-based business decisions.

Business Technologies

BTE 1000 - Computer Keyboarding

1 Credit

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. Note: This course was previously listed as BTE 100.

BTE 1002 - Keyboarding Applications I

2 Credits

Designed for students with minimal keyboarding skills. Introduces letters, tables, memos, and manuscripts. Emphasizes speed and accuracy. Note: This course was previously listed as BTE 102.

Required: Ability to keyboard 20 wpm or Instructor's permission

BTE 1003 - Keyboarding Applications II

3 Credits

Reinforces basic keyboarding formats and procedures. Productivity and decision-making skills are exercised. Emphasizes speed and accuracy. Note: This course was previously listed as BTE 103.

Prerequisite(s): BTE 1002

BTE 1008 - Ten-Key by Touch

1 Credit

Introduces touch control of the ten-key pad. Emphasizes the development of speed and accuracy using proper technique. Note: This course was previously listed as BTE 108.

BTE 1011 - Keyboarding Speedbuilding I

2 Credits

Designed to increase speed and improve accuracy in keyboarding on the PC through

the use of correct techniques and concentrated effort. Note: This course was previously listed as BTE 111.

Required: Ability to keyboard by touch or Instructor's permission

Chemistry

CHE 1011 - Introduction to Chemistry I with Lab: GT-SC1

5 Credits

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. Note: This course was previously listed as CHE 101.

Prerequisite(s): College readiness in English and Quantitative Literacy Math

CHE 1111 - General College Chemistry I: GT-SC1

5 Credits

Focuses on basic chemistry and measurement, matter, chemical formulas, reactions, 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. The course includes gases, liquids, and solids and problem-solving skills are emphasized through laboratory experiments. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as CHE 111.

Prerequisite(s): College Readiness in English and MAT 1340 or higher and (CHE 1011 or High School Chemistry)

CHE 1112 - General College Chemistry II: GT-SC1

5 Credits

Presents concepts in the areas of solution properties, chemical kinetics, chemical equilibrium, acid-base and ionic equilibrium, thermodynamics, and electrochemistry. This course emphasizes problem solving skills and descriptive contents for these topics. Laboratory experiments demonstrate qualitative and quantitative analytical techniques. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as CHE 112.

Prerequisite(s): CHE 1111 and MAT 1340

CHE 2075 - Special Topics in Chemistry

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as CHE 275.

CHE 2085 - Independent Study

1-6 Variable Credits

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 in a semester when the course has not been offered or has been canceled. 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. Note: This course was previously listed as CHE 285.

Required: Instructor's permission

CHE 2111 - Organic Chemistry I

5 Credits

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. Note: This course was previously listed as CHE 211.

Prerequisite(s): CHE 1112

CHE 2112 - Organic Chemistry II

5 Credits

Continues the investigation into the chemistry of carbon-based compounds, their reactions and synthesis including the structure, physical properties, reactivities, and synthesis of organic functional groups not covered in the first semester. The course explores functional groups including alcohols, ethers, aromatics, aldehydes, ketones, amines, amides, esters, and carboxylic acids and the reactions and reaction mechanisms of aromatic compounds. An introduct ion to biochemical topics may be included if time permits. Laboratory experiences demonstrate the above concepts and the laboratory techniques associated with organic chemistry. Note: This course was previously listed as CHE 212.

Prerequisite(s): CHE 2111

Communication

COM 1150 - Public Speaking

3 Credits

Combines the basic theories of communication with public speech performance skills. Emphasis is on speech preparation, organization, support, audience analysis, and delivery. Note: This course was previously listed as COM 115.

COM 1250 - Interpersonal Communication:GT-SS3

3 Credits

Examines the communication involved in interpersonal relationships occurring in family, social, and career situations. Relevant concepts include self-concept, perception, listening, nonverbal communication, and conflict. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as COM 125.

COM 1260 - Communication in Healthcare

3 Credits

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. Note: This course was previously listed as COM 126.

COM 1300 - Communication and Popular Culture: GT-AH1

3 Credits

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. Note: This course was previously listed as COM 130.

COM 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as COM 275.

COM 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as COM 285.

Required: Instructor's permission

COM 2220 - Group Communication:GT-SS3

3 Credits

Examines group communication theories with an emphasis on leadership and group behaviors. The course provides opportunities for group participation. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as COM 217.

COM 2250 - Organizational Communication

3 Credits

This course focuses on the role of communication theory and skills as they apply to business and organizational settings. Topics include organizational and leadership models, effective communication skills with peers, superiors, and subordinates, environmental factors impacting communication, and interviewing skills. Note: This course was previously listed as COM 225.

COM 2270 - Gender Communication

3 Credits

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. Note:

This course was previously listed as COM 215.

COM 2300 - Intercultural Communication: GT-SS3

3 Credits

Provides a global view of communication across cultures and brings an awareness of how perception, language, race, verbal, and nonverbal communication impact our behaviors, messages, and interactions. Emphasis is on developing effective and ethical cross-cultural communication skills, while also building an appreciation for different cultures. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as COM 220.

Computer Aided Drafting

CAD 1101 - Computer Aided Drafting/2D I

3 Credits

Focuses on basic computer aided drafting skills using 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. Note: This course was previously listed as CAD 101.

Required: Students must have Windows File Management skills to create file folders, rename files, delete files, copy and move files.

CAD 1102 - Computer Aided Drafting/2D II

3 Credits

Focuses on intermediate 2D Computer aided drafting skills using 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, & printing/plotting. Note: This course was previously listed as CAD 102.

Required: Students must have Windows File Management skills to create file folders, rename files, delete files, copy and move files.

Corequisite(s): CAD 1101

CAD 1105 - AutoCAD for Interiors

4 Credits

Focuses on basic to intermediate 2D computer aided drafting interior design skills using the AutoCAD software. Includes templates, linetype and lineweights, layer usage, drawing & editing geometric objects, text applications, basic to advanced dimensioning skills. Creating and editing blocks, hatching, layouts/paper space and multiple viewports, external references, attributes, raster images, & printing/plotting. Note: This course was previously listed as CAD 105.

CAD 1110 - SketchUp

3 Credits

Introduces techniques and common practices of 3D modeling using Sketchup

software. Focuses on the creation and editing of virtual three-dimensional forms and volumes and the organization of their elements through the various features of the software. Includes applying material and textures, changing the appearance of models with styles and shadows and introduces the basic techniques of presenting and sharing the 3D model. Note: This course was previously listed as CAD 115.

CAD 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as CAD 275.

Prerequisite(s): Chair approval

CAD 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as CAD 285.

Required: Instructor's permission

Prerequisite(s): Chair approval

CAD 2210 - Advanced Sketchup

3 Credits

Introduces students to advanced techniques and workflows of 3D modeling and explores various presentation techniques using SketchUp Pro. Includes solid tools, dynamic components, import and export of 2D and 3D data to other formats, extensions, integrated rendering programs, and generating animations and phased-assembly sequences using advanced software features. Note: This course was previously listed as CAD 216.

Prerequisite(s): CAD 1110

CAD 2220 - Revit® Architecture

3 Credits

Introduces students to the AutoDesk Revit Architecture software. Examines the Building Information Modeling approach to 2D and 3D architectural construction documents. Students will create floor plans, elevations, sections, 3D models, perspective renderings and animations with this software application. Note: This course was previously listed as CAD 224.

CAD 2221 - Advanced Revit Architecture

3 Credits

Focuses on the advanced applications of the AutoDesk Revit Architecture software. Includes Family Editing, topographic Site Plans, Worksharing, Phases, Key Schedules, custom Annotation, Templates, and presentation techniques.

Prerequisite(s): CAD 2220

CAD 2400 - Computer Aided Drafting/3D

3 Credits

Focuses on construction of three-dimensional objects using the AutoCAD software. Includes mesh & surface modeling, solid modeling, extrusions, Boolean operations, 3D editing, 3D views,

rendering, materials, advanced lighting, and walkthrough, flyby animations of 3D Solids to 2D Layouts. Note: This course was previously listed as CAD 202.

Prerequisite(s): CAD 1101

CAD 2402 - Computer Aided Drafting/Custom

3 Credits

Focuses on program customization of AutoCAD software. Includes the creation of Dynamic Blocks, customizing Shortcut Menus and Double Click Actions, customizing Tool Palettes, Ribbon Tabs and Panels, user Profiles and Workspaces, basic CAD programming, path options, Sheet Set Manager, and eTransmit. Note: This course was previously listed as CAD 201.

Prerequisite(s): CAD 1102 with a grade of "C" or better.

CAD 2455 - Solidworks/Mechanical

3 Credits

Introduces parametric feature-based solid modeling 3D concepts to build confidence in 3D thinking and progresses to three-dimensional parameters. This course provides instruction on how to construct, modify, and manage complex parts in 3D space as well as to produce 2D drawings from the 3D models. Note: This course was previously listed as CAD 255.

CAD 2456 - Advanced Solidworks

3 Credits

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(s): CAD 2455

CAD 2460 - Inventor I/AutoDesk

3 Credits

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. Note: This course was previously listed as CAD 240.

CAD 2660 - 3D Printing/Additive Manufacturing

3 Credits

Provides the student with the ability to blend the virtual and real design worlds together through the use of 3D CAD Modeling, and 3D Printing. Note: This course was previously listed as CAD 262.

Prerequisite(s): CAD 1110, **OR** CAD 2400, **OR** CAD 2460, **OR** CAD 2455

CAD 2694 - 3D Scanning and Modeling

4 Credits

Introduces various types of 3D scanners and scanning technology. This includes

equipment, scanning techniques using various types of scanning software, data manipulation, point cloud concepts, and CAD model creation. Note: This course was previously listed as CAD 264.

Prerequisite(s): CAD 2400 or CAD 2460 or CAD 2455 or CAD 2464

Computer Information Systems

CIS 1015 - Introduction to Computer Information Systems

3 Credits

Provides an overview of computer information systems and their role in society. This course emphasizes terminology and the identification of computer components and systems used in personal and business environments. This course discusses the evaluation of systems and measures that can be applied to protect them. Note: This course was previously listed as CIS 115.

CIS 1018 - Introduction to PC Applications

3 Credits

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. Note: This course was previously listed as CIS 118.

Required: Students MUST have Windows file management skills to create file folders, rename files, delete files, copy and move files.

CIS 1024 - Intro to Operating Systems

3 Credits

Introduces concepts, terminology and hands-on skills in the use of DOS and Windows. Emphasizes navigation, file manipulation, file creation and troubleshooting. Note: This course was previously listed as CIS 124.

Required: Students MUST have Windows file management skills to create file folders, rename files, delete files, copy and move files.

CIS 1035 - Complete Word Processing (software package)

3 Credits

Introduces basics of word processing software to create, edit, format, and print documents as well as advanced features to enhance documents. This course includes working with images, creating/using styles, formatting multi-page documents using advanced features of headers/footers and section breaks, integrating software to create and format tables and charts, using mail merge, and creating documents with columns. Note: This course was previously listed as CIS 135.

Required: Students MUST have Windows file management skills to create file folders, rename files, delete files, copy and move files.

CIS 1045 - Introduction to Desktop Database

3 Credits

Explores an array of database skills. Includes table, query, form, and report creation and modification. Also includes application integration. Note: This course was previously listed as CIS 145.

Required: Students MUST have Windows file management skills to create file folders, rename files, delete files, copy and move files.

CIS 1055 - Complete Spreadsheets: Excel

3 Credits

Introduces basic to advanced features of spreadsheet software to design and create accurate, professional worksheets for use in business and industry. The course includes entering data, creating formulas, professional formatting, creating charts, creating, sorting and filtering tables, creating and using templates, applying built-in functions, creating pivot tables, applying "what-if analysis" with data tables, creating macros, and using solver features. Note: This course was previously listed as CIS 155.

Required: Students MUST have Windows file management skills to create file folders, rename files, delete files, copy and move files.

CIS 2002 - Automated Project Management

3 Credits

Provides an in-depth exploration of project management concepts and techniques. This course uses software to create project plans and manage projects. Critical thinking, planning, and communication to achieve a project goal are emphasized. Note: This course was previously listed as CIS 202.

Prerequisite(s): CIS 1018 or CIS 1028 or CSC 1005 or (CIS 1035 and CIS 1055)

CIS 2020 - Fundamentals of UNIX

3 Credits

Explores the structure and fundamentals of the Unix operating system including the file system and file processing, various utility programs, shell, multi-user operation, text processing, and communications. Note: This course was previously listed as CIS 220.

CIS 2032 - Unix Shell Programming

3 Credits

Covers simple scripts to automate frequently executed commands followed by an explanation of adding conditional logic, user interaction, loops, menus, traps, and functions to enhance the productivity and effectiveness of the user. This course explores in detail a shell scripting language such as bash. Note: This course was previously listed as CIS 232.

Prerequisite(s): CSC 1019 or higher and (CIS 2020 or CNG 2002)

CIS 2040 - Database Design and Development

3 Credits

Introduces the basic concepts of relational

databases, data storage, and retrieval. Covers database design, data modeling, transaction processing, and introduces the Structured Query Language (SQL) for databases. Note: This course was previously listed as CIS 240.

CIS 2043 - Introduction to SQL

3 Credits

Introduces Structured Query Language (SQL) including creation of database structures and how to store, retrieve, and manipulate data in a relational database. This course also covers creating tables and views, using indexes, and developing stored procedures and triggers. Note: This course was previously listed as CIS 243.

CIS 2067 - Management of Information Systems

3 Credits

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. Note: This course was previously listed as CIS 267.

CIS 2068 - Systems Analysis and Design I

3 Credits

Introduces the student to the materials, techniques, procedures, and human interrelations involved in developing computer information systems. Includes the systems approach, fact gathering techniques, forms design, input/output, file design, file organization, various charting techniques, system audits on controls, project management, implementation, and evaluation. Note: This course was previously listed as CIS 268.

CIS 2087 - Cooperative Education

3 Credits

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. Note: This course was previously listed as CIS 287.

CIS 2089 - Capstone

3 Credits

Serves as the capstone course for CIS majors. Incorporates projects that allow students to develop advanced techniques and assemble information from different courses. Most projects will include the creation of interactive application programs for the non-computer user and require research beyond the classroom to prepare the student for entry level employment in a variety of situations. Note: This course was previously listed as CIS 289.

Computer Networking

CNG 1001 - Networking Fundamentals

3 Credits

Introduces network fundamentals using the OSI (Open Systems Interconnection) model and TCP/IP (Transmission Control

Protocol/Internet Protocol) suite, fundamentals of Ethernet, IP addressing, and building simple LANs (Local Area Networks). Note: This course was previously listed as CNG 101.

CNG 1002 - Local Area Networks

3 Credits

Introduces Local Area Networking. Focuses on discussions and demonstrations of planning, installing, and supporting networks. Note: This course was previously listed as CNG 102.

CNG 1004 - Intro to TCP/IP

3 Credits

Covers the basic elements of the Transmission Control Protocol and the Internet Protocol, the basic technologies that implement the Internet and computer networking. In addition to TCP and IP the course covers networking media, link layer, network layer, and transport layer protocols. Also included are routing, broadcast, multicast, and network address translation. IP version 4 and IP version 6 are both covered. Note: This course was previously listed as CNG 104.

CNG 1020 - A+ Certification Preparation

4 Credits

Prepares students for the CompTIA A+ certification examination. PC hardware and operating system installation, configuration and troubleshooting are practiced and reviewed using A+ techniques. Note: This course was previously listed as CNG 120.

CNG 1021 - Computer Technician I: A+

4 Credits

Provides students with an in-depth look at personal computer hardware, introduces networking concepts, and covers operational procedures and troubleshooting, all of which are necessary for a successful entry-level computer service technician position. Provides extensive hands-on work with computer systems, PC setup and configuration, and basic maintenance and troubleshooting. This course helps prepare you for the first CompTIA A+ Exam. Note: This course was previously listed as CNG 121.

CNG 1022 - Computer Technician II: A+

4 Credits

Provides students with an in-depth look at desktop and mobile Operating System support, maintenance, and troubleshooting, and an overview of security concepts, and interpersonal skills, all of which are necessary for a successful entry-level computer service technician position. Provides extensive hands-on work with current operating systems, including using common GUI and command line tools, registry editing, system backup and recovery, and advanced troubleshooting. This course helps prepare you for the second CompTIA A+ Exam. Note: This course was previously listed as CNG 122.

Prerequisite(s): CNG 1021

Corequisite(s): CNG 1021

CNG 1024 - Networking I: Network+

3 Credits

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. Note: This course was previously listed as CNG 124.

CNG 1025 - Networking II: Network+

3 Credits

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. Note: This course was previously listed as CNG 125.

Prerequisite(s): CNG 1024

CNG 1031 - Principles of Information Assurance

3 Credits

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. Note: This course was previously listed as CNG 131.

CNG 1032 - Network Security Fundamentals

3 Credits

Delivers a comprehensive overview of network security, including general security concepts. Communication Security is studied, including remote access, email, 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. Note: This course was previously listed as CNG 132.

Corequisite(s): CNG 1001 or CNG 1024 or CNG 1124

CNG 1036 - Guide to IT Disaster Recovery

3 Credits

Presents methods to identify technology and communication infrastructure vulnerabilities and appropriate countermeasures to prevent and mitigate failure risks for an organization. The course will take an enterprise-wide approach to developing a disaster recovery plan. Note: This course was previously listed as CNG 136.

CNG 1042 - Introduction to Cloud Computing

3 Credits

Introduces fundamental content on cloud computing including system analysis, requirements, configuration, deployment, and testing. This course includes information on management, business continuity, security, maintenance, updating, and troubleshooting as related to cloud computing. Note: This course was previously listed as CNG 142.

CNG 1124 - Modern Secure Networking

4 Credits

Covers the knowledge, skills, and abilities necessary to perform computer networking job roles. This course provides preparation for the Network+ industry certification exam.

CNG 2002 - Unix/Linux Server Admin

3 Credits

Provides students with the knowledge and skills required to configure, administer and secure data, users and services in a UNIX or Linux server environment. Emphasis will be on command-line interface (CLI). Topics will also include system monitoring, performance tuning, troubleshooting and interoperability with Windows servers and clients. Note: This course was previously listed as CNG 202.

Prerequisite(s): CNG 2001 or CIS 2020 or CIS 2023

CNG 2009 - MS Server Active Directory Configuration

4 Credits

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. Note: This course was previously listed as CNG 209.

CNG 2011 - Windows Configuration: (OS)

3 Credits

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. Note: This course was previously listed as CNG 211.

Prerequisite(s): CNG 1001 or CNG 1024 or CNG 1124

CNG 2012 - Configuring Windows Server

4 Credits

Provides students with the knowledge and skills that are required to install and configure a Microsoft Windows Server. This course helps prepare students for a MTA (Microsoft Technology Associate) and/or MCSA (Microsoft Certified Solutions Associate) exams. **Recommended previous coursework:** CNG 2011 with a grade of "C" or better or Instructor's permission. Note: This course was

previously listed as CNG 212.

Prerequisite(s): CNG 1001 or CNG 1024 or CNG 1124

CNG 2013 - Administering Windows Server

4 Credits

Provides students with the knowledge and skills required to administer Microsoft Windows Servers. This course helps prepare students for the current MCSA (Microsoft Certified Solutions Associate) exam. Note: This course was previously listed as CNG 213.

Prerequisite(s): CNG 2012

Corequisite(s): CNG 2012

CNG 2024 - Microsoft Windows Wireless Network

3 Credits

Provides the student with the Microsoft official curriculum from the Microsoft Regional Academy. Offers detailed instruction on the foundation concepts and technologies of wireless data networking. Upon completion of this course, students are prepared to take the Certified Wireless Network Administrator (CWNP) Certification Exam. Note: This course was previously listed as CNG 224.

Prerequisite(s): CNG 1001 or CNG 1024 or CNG 1124

CNG 2043 - Cloud Security and Cyber Law

3 Credits

Introduces concepts of cloud architecture, cloud security, and the law as it pertains to cloud deployment. Focuses on the mechanics of security in the cloud service models: Infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS). Note: This course was previously listed as CNG 243.

Prerequisite(s): CNG 1032 or CNG 1042

CNG 2053 - Firewalls and How They Work

3 Credits

Introduces students to the design and implementation of firewalls. Covers such topics as firewalls using CISCO Routers, Microsoft server platform and UNIX platform. Focuses on how firewalls function in these environments and the basic steps to plan and implement firewalls. Note: This course was previously listed as CNG 253.

CNG 2056 - Vulnerability Assessment Level 1

3 credits

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. Note: This course was previously listed as CNG 256.

Prerequisite(s): CNG 1032 or CNG 2001

CNG 2057 - Network Defense and Counter Measures

3 Credits

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. **Recommended previous coursework:** CNG 1032 with a grade of "C" or better. Note: This course was previously listed as CNG 257.

Prerequisite(s): CNG 1032

CNG 2058 - Digital Forensics

4 Credits

Exposes the student to the field of digital computer forensics and investigation. This class provides the student with methods to properly conduct a digital forensics investigation including a discussion of ethics. Topics covered include fundamental concepts, history of computer forensics, file structures, data recovery techniques, computer forensic tools and analyses. Note: This course was previously listed as CNG 258.

Prerequisite(s): CNG 1032

CNG 2059 - Enterprise Security

4 credits

This course challenges students to combine the skills learned in previous coursework (or work experience) and apply them in whole to a mock business IT environment. Students will work in their own virtualized server environment, complete with servers, routers, firewalls, VPN, IDS/IPS, wireless and other current technologies to develop a security policy and framework using risk analysis and risk management techniques. Note: This course was previously listed as CNG 259.

Prerequisite(s): CNG 2056 and CNG 2057

Corequisite(s): CNG 2056

CNG 2063 - CISCO Network Associate IV

5 Credits

Focuses on project-based learning, including advanced network design projects and advanced management projects. This course along with CNG 2060, CNG 2061 and CNG 2062 prepare students for the CISCO Certified Network Associate (CCCNA) certification exam. Note: This course was previously listed as CNG 263.

Prerequisite(s): CNG 2062

CNG 3010 - Fundamentals of Cybersecurity

4 Credits

Introduces the fundamentals of cybersecurity including a broad survey of

cybersecurity concepts, tools, technologies, and best practices.

CNG 3020 - Cyber Law Ethics and Policy

4 Credits

Covers ethical and legal issues that arise in relation to employment in the public and private sectors. The main focus of the course will be the ethical and legal standards governing information technology. This course provides a framework for making ethical decisions.

CNG 3030 - Methods of Network Analysis

4 Credits

Provides a methodology for analyzing networks by examining the network at its infrastructure, network, and application layers. The course explores how networks transfer data, how network protocols enable communication, and how the lower-level network layers support the upper layers.

CNG 3036 - Business Continuity and Disaster Recovery

4 Credits

Covers business continuity and disaster recovery principles including business impact analysis, assessment of risk, development of policies and procedures, and implementation of a plan. The course also covers securing, recovering, and restoring the organization's critical data in the aftermath of a disaster.

CNG 3040 - Cyber Operations

4 Credits

Covers concepts of Confidentiality, Integrity, and Availability (CIA) basics together with authentication and non-repudiation; vulnerabilities; security principles and testing; operating systems; and cryptography. The course meets the requirements for security fundamental principles as well as the identification and mitigation of security vulnerabilities.

CNG 3050 - Cyber Investigations and Forensics

4 Credits

Covers intrusion detection methodologies, tools, and approaches to incident response. This course explores the ethical and legal issues attendant to cyber investigations and forensics.

CNG 3056 - Vulnerability Assessment II

4 Credits

Provides an in-depth understanding of ethical hacking phases, various attack vectors, and preventative countermeasures including how hackers think and act maliciously. The course also covers how organizations use found system weaknesses and vulnerabilities to strengthen their system security controls and minimize the risk of an incident. This course covers an active offensive defense posture toward the responsibilities and measures required to be secure.

Prerequisite(s): CNG 2056

CNG 3075 - Special Topics

1 Credit

To be determined by the individual instructor.

CNG 3076 - Special Topics

2 Credits

To be determined by the individual instructor.

CNG 3077 - Special Topics

3 Credits

To be determined by the individual instructor.

CNG 4000 - Active Cyber Defense

4 Credits

Introduces the policies, techniques, and operational capabilities and limitations of implementing an Active Cyber Defense program. A broad survey of development of defensible network architectures; integration of passive defensive technologies; consumptions and production of Cyber Threat Intelligence (CTI) products; implementation of Network Security Monitoring (NSM) and Hunt Teaming (HT) operations; employment of Incident Response (IR) plans; and Threat and Environment Manipulation techniques (TEM) will be presented.

CNG 4010 - Cyber Threat Intelligence

4 Credits

Provides an in-depth investigation of threat actors and the techniques they employ to attack networks. This course covers threat capabilities and objectives. Formal ethical hacking methodology including reconnaissance, scanning and enumeration, gaining access, escalation of privilege, maintaining access, and reporting is examined.

CNG 4020 - Zero Trust Networks

4 Credits

Covers the fundamentals of Zero Trust Networks (ZTN), including the most effective methodologies used by leading companies and cyber professionals to design and implement a ZTN. The course covers design concepts including Software Defined Networks (SDN), and how to leverage SDN and mutual authentication to create a scalable, robust, and secure network.

CNG 4030 - Cyber War

4 Credits

Introduces what constitutes cyber warfare along with its policy, doctrine, and operational constraints. This course presents a broad survey of cyber tools, techniques, and procedures to practice and implement attack methodologies.

CNG 4054 - Malware Threats and Analysis

4 Credits

Covers methodologies to safely perform static and dynamic analysis of code from potentially unknown origins, including obfuscated malware in order to better understand the software's purpose and functionality. This course covers the fundamental principles of malware analysis and software reverse engineering.

CNG 4075 - Special Topics

1 Credit

To be determined by the individual instructor.

CNG 4076 - Special Topics

2 Credits

To be determined by the individual instructor.

CNG 4077 - Special Topics

3 Credits

To be determined by the individual instructor.

CNG 4080 - Internship

2 Credits

To be determined by the individual instructor.

CNG 4089 - Capstone

3 Credits

To be determined by the individual instructor.

Computer Science

CSC 1005 - Computer Literacy

3 Credits

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. Note: This course was previously listed as CSC 105.

CSC 1019 - Introduction to Programming: (Programming Language)

3 Credits

Focuses on a general introduction to computer programming. This course emphasizes the design and implementation of structured and logically correct programs with good documentation. It is centered on basic programming concepts, including control structures, modularization, and data processing. A structured programming language is used to implement program designs. It emphasizes the writing of multiple programs following the software development process, from start to finish, including design, implementation, and testing. Note: This course was previously listed as CSC 119.

CSC 1026 - Game Design and Development

3 Credits

Combines problem-solving techniques with computer game design and implementation to introduce the student to basic gaming and computer science concepts. Students design, implement, and test computer games using software that allows for basic game creation through a wide variety of game creation tools; no prior programming experience is required. Note: This course was previously listed as CSC 126.

CSC 1029 - Introduction to Secure Coding

3 Credits

Focuses on introduction to secure coding. Emphasizes concepts, principles, and best practices of structured secure programs within security standards. Analysis of design of secure programming is stressed, including costs, threats, security concepts, policies, coding flaws, vulnerabilities, exploits, and code mitigation. Analysis of the design of legacy and contemporary object oriented languages is emphasized. Focuses on the application of secure coding principles, standards to resolve code flaws and vulnerabilities. Note: This course was previously listed as CSC 129.

Prerequisite(s): CSC 1060

Corequisite(s): CSC 1060

CSC 1060 - Computer Science I (Language)

4 Credits

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. Note: This course was previously listed as CSC 160.

Prerequisite(s): CSC 1019 or CSC 1020 or CSC 1001 or CSC 1010 or MAT 1340 or higher

Corequisite(s): CSC 1001 or MAT 1340 or higher

CSC 1061 - Computer Science II (Language)

4 Credits

Applies object-oriented methodology through a high-level programming language, expanding upon algorithm development and problem-solving techniques introduced in Computer Science I. The emphasis is on practical experience in data structures and the design and implementation of substantial software projects. Note: This course was previously listed as CSC 161.

Prerequisite(s): CSC 1060

CSC 2000 - Game Programming I

3 Credits

Introduces the student to game programming techniques and how to use a game library. Skills developed include programming input devices, 2D game theory and design, bitmap handling, sprite programming and threads. Note: This course was previously listed as CSC 200.

Prerequisite(s): CSC 1019 and CSC 1026

CSC 2017 - Advanced Python Programming

3 Credits

Advances problem-solving techniques utilizing object-oriented methodology in Python. Introduces practical applications, including developing graphical user interface applications, implementing data persistence, and utilizing an advanced Integrated Development Environment (IDE). Includes unit testing, distribution of a Python package, and fostering a comprehensive

understanding of real-world programming scenarios. Note: This course was previously listed as CSC 217.

Prerequisite(s): ((CSC 1019 or CSC 1020 or CSC 1001 or CSC 1010) and MAT 1340 or higher) or CSC 1060

CSC 2025 - Computer Architecture/Assembly Language Programming

4 Credits

Covers how a computer operates and the relationship between machine code and the primary computer components. The course explores the design of the processor, registers, memory, and various types of storage. Assembly language is used for computer processes commands and how programming languages use memory addresses. Overview of architecture that is in development will be discussed. Note: This course was previously listed as CSC 225.

Prerequisite(s): CSC 1061

Corequisite(s): CSC 1061

CSC 2027 - 3D Game Programming

3 Credits

Create and develop 3D games using a Game Engine. Learn the process of game development. Implement games utilizing 3D models with effects, .textures, cameras, input handling, basic effects, basic collision detection and sounds. Note: This course was previously listed as CSC 227.

Prerequisite(s): CSC 1061

CSC 2028 - Advanced 3D Game Programming

3 Credits

Allows you to engage in advanced 3D Game Programming techniques by implementing a 3D Game. Topics include: problem solving, 3D objects, file I/O, managing game states, advanced collision detection, physics basics and Artificial Intelligence (AI). Note: This course was previously listed as CSC 228.

Prerequisite(s): CSC 2027

CSC 2033 - Object-Oriented Prog.: (Lang)

3 Credits

Provides students will the skills in Programming in an OOP language at an Advanced Level. It covers all syntactical components of an object Oriented language. Emphasizes inheritance, overloading, and polymorphism. Focuses on writing clear, properly structured, and well documented programs using Object-Oriented methodology. Large programs using multiple data structures will be written, preferably working in large groups. Note: This course was previously listed as CSC 233.

Prerequisite(s): CSC 1061

CSC 2034 - C++ Programming (Platform)

4 Credits

Starts with basic differences between C++ and other programming languages and progresses to programming advanced C++

concepts such as operator overloading, friends, references, namespaces, pointers and dynamic arrays, templates, streams and file I/O, recursion, polymorphism, exception handling and Standard Template Library. The course covers large programs that are coded implementing object-oriented design principles such as classes and objects, polymorphism, encapsulation, composition, inheritance and templates. Note: This course was previously listed as CSC 234.

Prerequisite(s): CSC 1061

Corequisite(s): CSC 1061

Prerequisite(s)/Corequisite(s):

CSC 2036 - C# Programming

4 Credits

Introduces the C# programming language. This course covers all syntactical components of the language including arrays, structures, methods and classes. Content will focus on writing clear, properly structured, and well-documented programs using object-oriented methodology, .NET Framework, and the Visual Studio environment. Note: This course was previously listed as CSC 236.

Prerequisite(s): CSC 1060

CSC 2040 - Java Programming

3 Credits

Introduces the Java Platform, Standard Edition (Java SE), to develop Graphical User Interface (GUI) applications. Language constructs will include loops, conditionals, methods, and arrays. The code will incorporate event and exception handling, File I/O, and Object-Oriented Programming (OOP) concepts. Note: This course was previously listed as CSC 240.

Prerequisite(s): CSC 1060 or CSC 2017

CSC 2041 - Advanced Java Programming

3 Credits

Covers advanced programming topics including multi-threading, network/internet programming, database programming, and JavaBeans. This course focuses on writing Java Enterprise Edition (Java EE) complex programs. Note: This course was previously listed as CSC 241.

Prerequisite(s): CSC 2040 or CSC 1060

CSC 2045 - Secure Software Development: (Language)

3 Credits

Focuses on functionality when implementing security consequences with regard to formatted output and arithmetic operations in a program. The course introduces how to write a program that creates safe, reliable, and secure systems free from undefined program behaviors and exploitable vulnerabilities. Note: This course was previously listed as CSC 245.

Prerequisite(s): CSC 1029 and CSC 1061

Corequisite(s): CSC 1061

CSC 2046 - Mobile App Development

3 Credits

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 program language. Main features include: handling UI triggered and touch events, data management, simple and complex UI views, drawing, location and application settings. Note: This course was previously listed as CSC 246.

Prerequisite(s): CSC 1060

CSC 2065 - Discrete Structures

4 Credits

Prepares students for a fundamental understanding of computing and computer science. Includes set theory, boolean algebra, relations, functions, graph theory and techniques for formal reasoning. Note: This course was previously listed as CSC 165.

Prerequisite(s): CSC 1061

Corequisite(s): CSC 1061

CSC 2080 - Internship

3 Credits

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. Note: This course was previously listed as CSC 280.

CSC 3000 - Advanced Computer Architecture

4 Credits

Covers the analysis of advanced concepts in the applications of computer architecture and programming capabilities with keyboard and display controllers within programs. This course investigates the impact of exceptions and interrupts within a simulator, examines the hazards associated with a pipelined datapath, and uses the analysis of floating-point instructions.

Prerequisite(s): CSC 2025 - Computer Architecture/Assembly Language Programming and CSC 2045 - Secure Software Development: (Language)

CSC 3022 - Security Fundamentals and Databases

4 Credits

Examines the vulnerabilities of databases to attack. Functional requirements and security testing, focusing on the interaction between a software user and the application, are analyzed. This course will investigate database platforms and provide database developers with an understanding of database development best practices for optimum security.

Prerequisite(s): CIS 2040 and CIS 2043 and CSC 2045

Corequisite(s): CSC 2045

CSC 3024 - Secure Coding Vulnerabilities I

4 Credits

Focuses on analyzing and implementing software vulnerabilities. This course explores vulnerabilities through code evaluation and implementation of language-specific solutions.

Prerequisite(s): CSC 2045 - Secure Software Development: (Language)

CSC 3026 - Secure Scripting of Operating Systems

3 Credits

Focuses on analyzing and configuring an environment and assessing configuration variables in multiple operating systems. Topics include using multiple utilities in order to assimilate information on a network, host and data communications, and creating scripts for evaluation.

Prerequisite(s): CSC 1029 - Introduction to Secure Coding and CIS 2020 - Fundamentals of UNIX

CSC 3028 - Security Libraries in Programming Languages

4 Credits

Focuses on the issues surrounding security libraries within programming languages. This course analyzes static typing within a software program to assess integrity within a given programming library. The course will also explore what effect mutable resources have on security, along with encryption tools, and violation channels.

Prerequisite(s): CSC 1029 - Introduction to Secure Coding

CSC 4024 - Secure Code Vulnerabilities II

4 Credits

Focuses on advanced implementation of software vulnerabilities. This course covers attack vectors frequently used by malicious actors such as email attachments, compromised "watering hole" websites, and other tools often relied on to take advantage of unpatched vulnerabilities found in widely-used software applications. Patching techniques will be deployed in order to repair vulnerabilities found in software components.

Prerequisite(s): CSC 3024

Computer Web-Based

CWB 1010 - Introduction to Web Authoring

3 Credits

Explores the complete set of web authoring skills using HTML and/or other languages. The course covers links, backgrounds, controlling text and graphic placement, tables, image maps and forms. Note: This course was previously listed as CWB 110.

CWB 1030 - Web Editing Tools: (Editor)

3 Credits

Teaches the use of tools for Web page design and development. These tools are designed to make creating 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. Note: This course was previously listed as CWB 130.

Cosmetology

COS 1003 - Introduction to Hair and Scalp

1 Credit

Introduces various types of scalp treatments, shampoos, and conditioners. This course covers hair and scalp disorders, product knowledge, and proper massage techniques. This course provides training in a lab or classroom setting. Note: This course was previously listed as COS 103.

COS 1010 - Introduction to Hair Coloring

2 Credits

Introduces theory pertaining to the law of color, theory of color, chemistry of color, product knowledge, and analysis of hair and scalp. This course covers basic application techniques and procedures for the application of haircolor. Note: This course was previously listed as COS 110.

COS 1011 - Intermediate: Hair Coloring

2 Credits

Expands on haircoloring theory and practical application of color products, formulations of color, level and shades of color. Students will learn application techniques in a specialized class or in a supervised salon setting. Note: This course was previously listed as COS 111.

COS 1020 - Introduction to Haircutting

2 Credits

Introduces haircutting theory relevant to patron protection, angles, elevations, and the analysis of hair textures as related to hair cutting procedures. This course covers proper use and care of hair cutting implements, basic hair cutting techniques using various cutting implements, and disinfection and sanitation procedures as they relate to haircutting. Note: This course was previously listed as COS 120.

COS 1021 - Intermediate I: Haircutting

2 Credits

Expands on basic haircutting theory incorporating facial shapes, head and body forms to determine the appropriate techniques required to complete a client haircut. Students will apply hair cutting techniques in specialized classes or in the supervised salon. Note: This course was previously listed as COS 121.

COS 1030 - Introduction to Hairstyling

2 Credits

Combines theory with the practical application of hairstyling. This course covers roller placement, hair molding and shaping, pin curls, finger waves, comb-out techniques, air forming, thermal straightening, or curling for short to long hair. Note: This course was previously listed as COS 130.

COS 1031 - Intermediate I: Hairstyling

2 Credits

This course covers the accepted methods of styling hair, air forming, roller sets, finger waves, pin curls, braiding, and hair pressing. Note: This course was previously listed as COS 131.

COS 1040 - Introduction to Chemical Texture

1 Credit

Introduces a combination of theory and practice focusing on the analysis of hair and scalp, proper equipment and product knowledge. Includes basic techniques in permanent waving and chemical relaxing. Provides training in a classroom or lab setting on mannequins or live models. Note: This course was previously listed as COS 140.

COS 1041 - Intermediate I: Chemical Texture

1 Credit

Emphasizes theory and practical application of chemical texture, including permanent waves and chemical relaxers, in a supervised salon setting. Students will practice different wrapping techniques required by trend styles in a classroom or salon setting. Note: This course was previously listed as COS 141.

COS 1050 - Laws, Rules and Regulations

1 Credit

This course covers laws, rules, and regulations governing the beauty industry in Colorado and accountability for the student, licensed individual, salons, and school owners. Note: This course was previously listed as COS 150.

COS 1060 - Introduction to Infection Control and Prevention

2 Credits

This course covers various methods of sanitation, disinfection; and principles of workplace safety, infection control and prevention. Topics presented in this course include: classroom study of bacteriology, chemistry of cleaning versus disinfecting products that are used in the cosmetology industry, and terminology dealing with infection control. Note: This course was previously listed as COS 160.

COS 1061 - Intermediate I: Infection Control and Prevention

1 Credit

This course focuses on the theory and daily practice of proper methods of disinfection, sanitation and safety procedures as related to all phases of cosmetology. Topics presented in this course include: terminology and training of disinfection, sanitation and safety procedures, and customer service in a supervised salon setting or specialized class. Note: This course was previously listed as COS 161.

COS 2003 - Intermediate I: Hair and Scalp

1 Credit

This course covers theory and practical training in shampoos, rinses, and conditioners and examines advanced techniques to prepare the student for

employment. Instruction includes preparation for the Colorado State Board Licensing Examination for shampoos, rinses, and conditioners. Note: This course was previously listed as COS 203.

COS 2010 - Intermediate II: Haircoloring

2 Credits

This course covers theory and practical application of color products, formulations of color, level and shades of color. Students will practice haircoloring techniques in a specialized class or in a supervised salon setting. Note: This course was previously listed as COS 210.

COS 2011 - Advanced Haircoloring

2 Credits

This course covers advanced theory and practical techniques in haircoloring. Course covers the recognition of color problems and color correction procedures in preparation for the Colorado State Board Licensing Examination. Topics in this course include: advanced techniques, color formulation, and product knowledge. Note: This course was previously listed as COS 211.

COS 2020 - Intermediate II: Haircutting

2 Credits

This course covers haircutting theory related to facial shapes, head and body forms to determine the techniques necessary for client's specified haircut and practical applications of haircutting techniques for various client requests. Note: This course was previously listed as COS 220.

COS 2021 - Advanced Haircutting

2 Credits

This course covers advanced haircutting techniques utilizing multiple cutting tools and emphasizes current fashion trends and preparation for the Colorado State Licensure examination. Note: This course was previously listed as COS 221.

COS 2030 - Intermediate II: Hairstyling

2 Credits

This course covers accepted methods of styling hair, including: air forming, roller sets, iron sets, finger waves, braiding and hair pressing. Students will practice hairstyling techniques for client purposes in specialized classes or in a supervised salon setting. Note: This course was previously listed as COS 230.

COS 2031 - Advanced Hairstyling

1 Credit

This course covers hairstyling theory and advanced techniques in all phases of hair styling to prepare the student for employment. Training is a combination of supervised salon work and specialized classes. Students will prepare for the Colorado State Board Licensing Examination. Note: This course was previously listed as COS 231.

COS 2040 - Intermediate II: Chemical Texture

1 Credit

This course covers theory of chemical texture and practical application of permanent waves and chemical relaxers in specialized classes or a supervised salon setting. Students will practice different wrapping techniques required by trend styles or per client request. Note: This course was previously listed as COS 240.

COS 2041 - Advanced Chemical Texture

1 Credit

This course covers advanced techniques for chemical texture and current industry standards of practice to prepare the student for employment and the State Board Licensing Examination. Instruction is provided in specialized classes or supervised salon setting. Note: This course was previously listed as COS 241.

COS 2050 - Management, Ethics, Interpersonal Skills & Salesmanship

1 Credit

This course covers salon management business practices and the knowledge and skills necessary to build a successful business. Topics covered in this course include: basic business management, interpersonal skills, basic techniques in salesmanship and customer services, job readiness skills, and professional ethics. Note: This course was previously listed as COS 250.

COS 2060 - Intermediate II: Infection Control and Prevention

2 Credits

This course covers infection control theory and practice of proper methods of sterilization, disinfection, sanitation, and safety procedures as related to all phases of the industry. Topics for this course include: terminology and training of disinfection, sanitation, and safety procedures. The individual's responsibility to provide a safe work environment is practiced. Note: This course was previously listed as COS 260.

COS 2061 - Advanced Infection Control and Prevention

1 Credit

This course covers advanced training on decontamination and safety practices in a supervised salon and/or classroom setting and primarily focuses on student preparation for the Colorado State Board Licensing Examination in decontamination and safety for all aspects of the industry. Topics for this course include: Occupational Safety and Health Administration (OSHA) requirements for schools and salons. Note: This course was previously listed as COS 261.

Criminal Justice

The following Prerequisites apply to ALL Criminal Justice courses: ENG 090, REA 090 with a grade of "C" or better, or appropriate ACCUPLACER scores. Additional prerequisites may apply; see course descriptions. *All Law Enforcement Academy classes are now listed under the LEA prefix.

CRJ 1010 - Intro to Criminal Justice GT: SS3

3 Credits

Introduces the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization,

perspectives, and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies, and current criminal justice issues are examined. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as CRJ 110.

CRJ 1025 - Policing Systems

3 Credits

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. Note: This course was previously listed as CRJ 125.

CRJ 1027 - Crime Scene Investigation

3 Credits

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. Note: This course was previously listed as CRJ 127.

CRJ 1035 - Judicial Function

3 Credits

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. Note: This course was previously listed as CRJ 135.

CRJ 1045 - Correctional Process

3 Credits

Examines the history of corrections in America from law enforcement through the administration of justice, probation, prisons, correctional institutions, and parole. This course examines the theories, rationales for punishment, and the political system in which corrections, as a component part of the criminal justice system, needs to operate. The course emphasizes legal, sociological, psychological, and other interdisciplinary approaches that affect the operation of a correctional system. Note: This course was previously listed as CRJ 145.

CRJ 2005 - Principles of Criminal Law

3 Credits

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. Note: This course was previously listed as CRJ 205.

CRJ 2009 - Criminal Investigation I

3 Credits

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. Note: This course was previously listed as CRJ 209.

CRJ 2010 - Constitutional Law

3 Credits

Focuses on the powers of government as they are allocated and defined by the United States Constitution. The course includes intensive analysis of United States Supreme Court decisions. Note: This course was previously listed as CRJ 210.

CRJ 2016 - Juvenile Law and Procedures

3 Credits

Conduct an in-depth analysis of the socio-legal operation of the Juvenile Justice System emphasizing the substantive and due process rights of minors. Analysis of legal reasoning underlying the juvenile law as it operates all levels of government.

CRJ 2020 - Human Relations and Social Conflicts

3 Credits

Highlights the environmental, organizational and socio-psychological dimensions of social control. Includes the study of individual attitudes, beliefs and behavior involved in role conflicts, community relations and conflict management in the social structure. Note: This course was previously listed as CRJ 220.

CRJ 2030 - Criminology

3 Credits

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. Note: This course was previously listed as CRJ 230.

CRJ 2031 - Introduction to Forensic Science and Criminalistics

3 Credits

Exploration of the fundamentals of forensic science that are essential for gathering evidence at the crime scene and analyzing it in the crime laboratory. Note: This course was previously listed as CRJ 231.

CRJ 2036 - CRJ Research Methods

3 Credits

Focuses on the formulation of research questions covering crime and justice, research designs, data collection, and the interpretation and reporting of these data in criminological and justice-system settings. Course content also includes experimental

and non-experimental research designs, probability and non-probability sampling techniques, and construction of scales and indexes for research purposes. Note: This course was previously listed as CRJ 236.

CRJ 2057 - Victimology

3 Credits

Introduces the student to 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. Note: This course was previously listed as CRJ 257

CRJ 2068 - Criminal Profiling

3 Credits

Examines the theories of crime causation in relationship to criminal profiling. Studies include the investigation of serial killers, their motivations, behaviors, and identification of psychological and sociological explanations related to criminal acts. Note: This course was previously listed as CRJ 268.

CRJ 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as CRJ 275.

CRJ 2078 - Seminar

3 Credits

Provides students with an experiential learning opportunity. Note: This course was previously listed as CRJ 278.

CRJ 2080 - Internship

3 Credits

Provides placement of the student into the criminal justice field to integrate theory with practice.

CRJ 2085 - Independent Study

1-6 Variable Credits

This course meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as CRJ 285.

Required: Department Chair permission

Data Science

DAT 1001 - Introduction to Data Science

3 Credits

Provides a foundational overview of data science and develops the knowledge required to make data-driven decisions regarding real-world problems. The course introduces how to collect data from different sources, use statistics to draw conclusions about a given data set, use technology to visualize data and some of the challenges associated with storing, manipulating, analyzing and securing data. Computational tools are used as a component of the course.

Prerequisite(s): College Readiness for Algebra

DAT 2001 - Calculus Based Statistics and Modeling

3 Credits

Introduces probability and statistics with an emphasis on computation, large data sets, and applications for engineering and data science careers. This course covers descriptive statistics, inferential methods, basic probability, predictive modeling, risk assessment, and methods of regression.

DAT 2002 - Visualizing Data

3 Credits

Focuses on the analysis and design of visual representations of statistical information. The analysis and evaluation of existing graphics are combined with principles from disciplines such as statistics, computer science, and graphic design to define the criteria for a quality visualization. Various software tools are used to develop static and interactive visualizations to identify patterns, convey messages, make decisions, and tell stories with data.

Early Childhood Education

ECE 1011 - Introduction to Early Childhood Education

3 Credits

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. Note: This course was previously listed as ECE 101.

ECE 1031 - Guidance Strategies for Young Children

3 Credits

Provides an exploration of guidance theories, techniques, and practices used to support young children's ability to learn and engage in prosocial interactions with peers and adults. This course covers factors that influence children's behaviors, as well as aspects of early childhood educator professionalism related to ethical and equitable guidance practice. This course addresses children ages birth through 8 years. Note: This course was previously listed as ECE 103.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 1045 - Introduction to Early Childhood Techniques

3 Credits

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. Note: This course was previously listed as ECE 102

Prerequisite(s): ECE 1011 and ECE 1031

Corequisite(s): ECE 1011 and ECE 1031

ECE 1111 - Infant and Toddler Theory and Practice

3 Credits

Presents an overview of development and care pertinent to infant and toddler children, ages birth to three years, in early childhood settings. The course includes information on state requirements for regulating health, safety, and nutrition practices in early childhood settings, and on indicators of quality care for infants and toddlers. Note: This course was previously listed as ECE 111.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 1125 - Intro to Infant\Toddler Lab Techniques

3 Credits

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. Note: This course was previously listed as ECE 112.

Prerequisite(s): ECE 1111 and ECE 1011

Corequisite(s): ECE 1111 and ECE 1011

ECE 2051 - Nutrition, Health and Safety

3 Credits

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. Note: This course was previously listed as ECE 205.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 2075 - Special Topics

1-6 Variable Credits

Explores current topics, issues and activities related to one or more aspects of the early childhood care and education profession. Note: This course was previously listed as ECE 275.

ECE 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as ECE 285.

Required: Instructor's permission

ECE 2088 - Practicum: Early Childhood Education

3 Credits

Provides students with advanced field experience opportunities in early childhood education programs. Note: This course was previously listed as ECE 288.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 2101 - Working with Parents, Families, and Communities

3 Credits

Examines personal and professional dispositions and strategies impacting partnerships with diverse families, including perspectives that recognize diversity and promote equity in early care and education settings. The course covers theoretical perspectives of families and communities, communication strategies, and activities used to promote family partnerships, and explores community resources to support children and their families. Note: This course was previously listed as ECE 256.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 2365 - Child Growth and Development Lab

1 Credit

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. Note: This course was previously listed as ECE 236.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 2381 - Child Growth and Development

3 Credits

Provides an overview of growth, development, and learning of young children from birth through 12 years. The course includes the major theories of development as integrated in developmental domains and offers opportunities to practice effective research and assessment methods to gather child development information. This course also includes practical applications of child development knowledge to responsive teaching practices. Note: This course was previously listed as ECE 238.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 2401 - Administration of Early Childhood Care and Education Programs

3 Credits

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. Note: This course was previously listed as ECE 240.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 2411 - Administration: Human Relations for Early Childhood Professions

3 Credits

Focuses on the human relations component of an early childhood professional's responsibilities. This course includes director-staff relationships, staff development, leadership strategies, family-professional partnerships, and community interaction. Note: This course was previously listed as ECE 241.

Prerequisite(s): ECE 1011

Corequisite(s): ECE 1011

ECE 2601 - The Exceptional Child

3 Credits

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. Note: This course was previously listed as ECE 260.

Prerequisite(s): ECE 1011 and ECE 2381

Corequisite(s): ECE 1011 and ECE 2381

ECE 2621 - Curriculum Development: Methods and Techniques

3 Credits

Explores planning and implementing effective early childhood curriculum for children, from birth through age eight years, including developmentally and culturally appropriate classroom environments, and written curriculum plans. The course also covers curricular content areas relevant to early childhood. Note: This course was previously listed as ECE 220.

Prerequisite(s): ECE 1011 and ECE 2381

Corequisite(s): ECE 1011 and ECE 2381

ECE 2631 - Language & Cognition for the Young Child

3 Credits

Examines theories of cognitive and language development as a framework for conceptualizing the way children acquire thinking skills. Includes observing, planning, facilitating, creative representation, and evaluating strategies within the context of play. Focuses on language, science, math, problem solving and logical thinking. Addresses ages birth through age 8. Note: This course was previously listed as ECE 225.

Prerequisite(s): ECE 1011 and ECE 2381

Corequisite(s): ECE 1011 and ECE 2381

ECE 2641 - Creativity and The Young Child

3 Credits

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 eight. Note: This course was previously listed as ECE 226.

Prerequisite(s): ECE 1011 and ECE 2381

Corequisite(s): ECE 1011 and ECE 2381

ECE 2651 - Early Language and Literacy Development in Young Children

3 Credits

Provides foundational knowledge of the developmental progression of language and literacy acquisition of mono- and bi-lingual children age's birth to age 8. This course provides opportunities to explore and practice language and literacy teaching strategies to use with young children in home, classroom, and community settings. Note: This course was previously listed as ECE 228.

Prerequisite(s): ECE 1011 and ECE 2381

Corequisite(s): ECE 1011 and ECE 2381

ECE 2661 - Science/Math and the Young Child

3 Credits

Examines theories of cognitive development as a framework for conceptualizing the way young children acquire scientific and mathematical skills, concepts, and abilities. Enables students to research and develop appropriate individual and group scientific/mathematical activities for young children. Note: This course was previously listed as ECE 125.

Prerequisite(s): ECE 1011 and ECE 2381

Corequisite(s): ECE 1011 and ECE 2381

Economics

ECO 1001 - Economics of Social Issues: GT-SS1

3 Credits

Examines major contemporary socio-economic issues and policies such as drugs and crime, education, health care, poverty and inequality, and globalization. These issues will be explored using economic tools and methods. This is a statewide Guaranteed Transfer course in the GT-SS1 category. Note: This course was previously listed as ECO 101

ECO 1005 - Introduction to Economics

3 Credits

This course is a survey of economics. It is designed as a beginning economics class. The course covers economics theories, supply and demand, national income accounting, money and banking, market structures and contemporary economic issues. Note: This course was previously listed as ECO 105.

ECO 2001 - Principles of Macroeconomics: GT-SS1

3 Credits

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. Note: This course was previously listed as ECO 201.

ECO 2002 - Principles of Microeconomics: GT-SS1

3 Credits

Focuses on the study of individual decision making, emphasizing households, business firms and industry analysis. Explores market models, including competition, monopoly, monopolistic competition and oligopoly. Examines market failure and related efficiency criteria for government intervention. Explores public policy, including labor market issues, poverty and the environment. This is a statewide Guaranteed Transfer course in the GT-SS1 category. Note: This course was previously listed as ECO 202.

ECO 2045 - Environmental Economics: GT-SS1

3 Credits

Introduces contemporary environmental issues and policies meant to reduce environmental degradation. It introduces the concept of market failure due to pollution. The course covers government pollution reduction policies for air, water, and natural environments. It also covers analytical tools that are used to analyze the effectiveness of these policies. This is a statewide Guaranteed Transfer course in the GT-SS1 category. Note: This course was previously listed as ECO 245.

Education

EDU 1085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as EDU 185.

Required: Instructor's permission

EDU 1087 - Cooperative Education

1-6 Variable Credits

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. Note: This course was previously listed as EDU 187.

EDU 1088 - Practicum I

1-6 Variable Credits

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. Note: This course was previously listed as EDU 188.

EDU 1311 - Introduction to Adult Education

3 Credits

Provides an introduction to adult education with an emphasis on providing instruction to adult learners developing their ability to listen, speak, read, and write in English and learners with skills below 12th grade equivalency. Key areas include adult education theories, principles, methods and techniques; adult education legislation, initiatives and movements; adult basic education services and service providers; understanding the adult learner; metacognition; the instructional environment; and professional development for adult educators. Note: This course was previously listed as EDU 131.

EDU 1321 - Planning, Organizing and Delivering Adult Education Instruction

3 Credits

Provides an introduction to planning and delivering instruction to adult learners with an emphasis on developing the English language proficiency of nonnative English speakers and improving the skills of learners whose skills are below 12th grade equivalency. Key areas include identification of learners' skills, needs and goals; the use of information about learners to plan instruction and assessment; the development of learner independence; the creation of an instructional environment that supports and engages adult learners. Note: This course was previously listed as EDU 132.

EDU 1341 - Teaching English as a Second Language to Adult Learners

3 Credits

Provides an introduction to providing instruction to adults who are developing English language proficiency. Key areas include understanding the adult ESL learner, the language acquisition process and the language skills needed to complete each Educational Functioning Level (EFL); preparing written instructional plans; delivering level appropriate instruction using techniques and resources appropriate for adult language learners; using technology; and preparing adult ESL learners to transition to postsecondary education and careers. Note: This course was previously listed as EDU 134.

EDU 1351 - Family Literacy In Adult Education

3 Credits

Introduces the students to the philosophy and theory behind family literacy, as well as give practical advice on the development and implementation of a family literacy program. The four-component model of adult education, early childhood education, parent and child together time (PACT), and parenting will be covered, both in theory and practical application. Note: This course was previously listed as EDU 135.

EDU 1705 - Special Topics

1-6 Variable Credits

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

Required: Instructor's permission

EDU 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as EDU 275.

EDU 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as EDU 285.

Required: Instructor's permission

EDU 2087 - Cooperative Education

1-6 Variable Credits

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. Note: This course was previously listed as EDU 287.

Required: Instructor's permission

EDU 2088 - Practicum II

1-6 Variable Credits

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. Note: This course was previously listed as EDU 288.

Required: Instructor's permission

Corequisite(s): EDU 2211

EDU 2089 - Capstone

1 Credit

Focuses on a demonstrated culmination of learning within a given program of study. Note: This course was previously listed as EDU 289.

EDU 2211 - Introduction to Education

3 Credits

Focuses on the historical, social, political, philosophical, cultural, and economic forces that shape the United States public school system. This course includes current issues of education reform, technology as it relates to education, and considerations related to becoming a teacher in the state of Colorado. The course addresses diversity in the preschool through secondary school system. Note: This course was previously listed as EDU 221.

Prerequisite(s): College Readiness in English

EDU 2221 - Effective Teaching

1 Credit

Focuses on strategies for becoming effective teachers in diverse education settings within Early Childhood Education (ECE), K-12, or higher education. This course includes using learning objectives for assessment, instructional design, and lesson planning to create inclusive learning environments through the implementation of research-based best practices. Note: This course was previously listed as EDU 222.

EDU 2341 - Multicultural Education

3 Credits

Explores racial, ethnic, cultural, and socioeconomic groups to gain an understanding of equity, diversity, and inclusion in communities and education. This course provides opportunities to contextualize multicultural perspectives in society and their impact on the education system. Note: This course was previously listed as EDU 234.

EDU 2401 - Teaching The Exceptional Learner

3 Credits

Focuses on learners with exceptionalities with emphasis on factors relating to current practices, identification, characteristics, and educational adaptations in special education preschool to 21 (P-21). Course topics include issues related to mild disabilities, severe disabilities, emotional and behavioral disorders, intellectual disabilities, and gifted and talented. Note: This course was previously listed as EDU 240.

Prerequisite(s): PSY 2441 or PSY 2440

EDU 2501 - CTE in Colorado

1 Credit

Explores common elements of American community college philosophy and current practices. It details the philosophy of Career and Technical Education (CTE), the federal Carl D. Perkins legislation and related guidelines for CTE, national and state regulatory agencies, the CCCS program approval process, enrollment management and advising strategies, relevant local and national issues, and quality assurance principles. Note: This course was previously listed as EDU 250.

EDU 2511 - Secondary CTE Capstone

3 Credits

This capstone course in the secondary CTE credentialing sequence offers an in-depth analysis of secondary career and technical student organizations and competitions, the Colorado Technical Act, working with exceptional students, creating and effectively deploying program advisory committees, and an overview of educational and political systems in Colorado. The final project is an analysis of CTE efficiency in one's school district. Note: This course was previously listed as EDU 251.

EDU 2601 - Adult Learning and Teaching

3 Credits

Examines the philosophy of community colleges and the roles and responsibilities of the faculty member within the college community. Introduces basic instructional theories and applications, with particular emphasis on adult learners. Includes syllabus development, learning goals and

outcomes, and lesson plans. Emphasizes teaching to a diverse student body, classroom management, assessment and instructional technology. Note: This course was previously listed as EDU 260.

EDU 2611 - Teaching, Learning and Technology

3 Credits

Explores integration of technology instruction into teaching practices used in preschool through postsecondary (P-21) educational settings for all curriculum areas of content. This course reviews a variety of technologies with an emphasis on increasing student learning and retention of knowledge. The course also explores combining technology with several instructional methodologies to promote professional teacher dispositions related to technology-rich teaching. Note: This course was previously listed as EDU 261.

EDU 2631 - Teaching and Learning Online

3 Credits

Provides faculty with the knowledge and skills necessary to design, develop, and deliver courses in a distance format. Focuses on assessment and evaluation methods and methods to incorporate interactive, collaborative and expanded learning activities. Note: This course was previously listed as EDU 263.

EDU 2641 - Post-Secondary Faculty Mentoring

3 Credits

Introduces concepts and skills in mentoring post-secondary faculty instructors in an institution of higher education. This course explores dimensions of effective mentoring, establishing respectful mentoring relationships within post-secondary settings, stages in the mentoring relationship, applying tools for assessment of teaching practices, and practicing constructive feedback techniques. Note: This course was previously listed as EDU 264.

EDU 2651 - Instructional Design

3 Credits

Introduces the student to a systematic approach to Instructional Design and the design of instruction with multimedia. Incorporates learning and instructional theory into course/training design to ensure the quality of instruction. Covers the process of goal analysis and learning needs coupled with the development of a delivery system to meet those needs. Includes the development of instructional materials and activities and the evaluation of all instruction and learner activities. Note: This course was previously listed as EDU 265.

EDU 2661 - Advanced College Teaching Methods

1 Credit

Explores current adult learning theory, and relates this theory to the practice of teaching. It also covers a variety of factors that influence teaching and learning, including social and individual psychological aspects of adult learning, patterns of participation and motivation, the role of instructional technology, handling challenging classroom behaviors, and assessment and evaluation strategies. The main point raised and discussed throughout the course is that effective teaching requires

that Instructors utilize a range of teaching and assessment approaches and methods in order to enhance learning. Note: This course was previously listed as EDU 266.

Electricity Industrial/Commercial

EIC 1001 - Electrical Print Reading

4 credits

Teaches the skills needed to interpret electrical drawings properly. This 15 hour seminar is critical for anyone involved in the design, construction, or maintenance of electrical systems. Note: This course was previously listed as EIC 102.

EIC 1201 - Basics of AC and DC Electricity

4 Credits

Focuses on resistance, current, voltage and power in AC and DC circuits; measurements; computations of series and parallel circuits; circuit analysis and troubleshooting with basic test equipment. Note: This course was previously listed as EIC 105.

Prerequisite(s): MAT 1140 or higher

EIC 1211 - Electrical Installations I

4 Credits

Covers residential building wiring in conformance with the current National Electrical Code and local codes using nonmetallic cable. Emphasizes proper use of tools and safety.

EIC 1212 - Electrical Installations II

4 Credits

Explores commercial and industrial building wiring in conformance with the current National Electrical Code and local codes using electric metalic tubing and other raceways. The emphasis is on proper use of tools and safety.

Prerequisite(s): EIC 1211

EIC 2075 - Special Topics

1-12 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as EIC 275.

EIC 2330 - Instrument/Process Control II

4 Credits

Introduces the basic concepts, principles, equipment and components of instrumentation and control systems found in the process and energy supply industries. The fundamental process variables of pressure, temperature, level, flow and physical properties will be presented. Control loop structure and function will be introduced. The function and operation of a proportional-integral-derivative (PID) controller will be introduced. Students will assemble and operate basic control loops in a laboratory setting. Note: This course was previously listed as EIC 230.

Prerequisite(s): ELT 1206 or EIC 1201

Electronics

ELT 1206 - Fundamentals of DC/AC

4 Credits

Introduces the basic skills needed for many careers in electronics and related fields. Covers the operations and applications of basic DC and AC circuits consisting of resistors, capacitors, inductors, transformers and diodes. Emphasizes the use of common test instruments in troubleshooting. Note: This course was previously listed as ELT 106.

Corequisite(s): MAT 1140 or higher

ELT 1246 - Digital Devices in Computers

3 Credits

Students will learn the basic logic concepts of computer circuits. The concepts of digital circuits used in computer circuitry will be covered. This includes dates, flip-flops, counters and encoders-decoders. Students will also learn the binary, hex and octal number systems used in computers and how to convert between these number systems and decimal numbers. Troubleshooting of digital circuits will be included. Note: This course was previously listed as ELT 146.

Prerequisite(s): ELT 1206 or EIC 1201

ELT 2080 - Internship

3 credits

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. Note: This course was previously listed as ELT 280.

ELT 2089 - Capstone: Automated Systems

3 Credits

Enables the student to plan, construct and evaluate a modified flexible manufacturing system using a programmable logic controller, industrial computer, robot and work cell peripherals. Addresses safety and emergency control procedures throughout this course.

Prerequisite(s): Permission of Chair or Instructor

ELT 2252 - Motors & Controls

3 credits

Enables the student to study, construct, test, and evaluate basic industrial control systems, including AC/DC motors, stepper motors, power sources, generators, tachometers, line diagrams and logic functions. Covers safety standards and preventive maintenance. 68 contact hours. Note: This course was previously listed as ELT 252.

Prerequisite(s): ELT 1206 or EIC 1201

ELT 2254 - Industrial Wiring

3 credits

Focuses on the required and recommended practice for industrial wiring. The National Electrical Code is applied to industrial power and control wiring. Covers specification and installation of wiring, conduit, enclosures, and termination components in lecture and applied during lab. Note: This course was previously listed as ELT 254.

Prerequisite(s): ELT 1206 or EIC EIC 1201

ELT 2348 - Automation Control Circuits

3 credits

Introduces the fundamentals of automatic controls including process control methodologies used to regulate a system or multiple systems for the purpose of establishing and maintaining a predictable manufacturing process. Note: This course was previously listed as ELT 248.

Prerequisite(s): ELT 1206 or EIC EIC 1201

ELT 2358 - Programmable Logic Controllers

3 credits

Covers the fundamentals of programmable logic controllers (PLCs) as they are applied in robotics and automation. Includes history, terminology, typical applications, hardware, and software. Incorporates lab and project activities that address operating, monitoring, programming, troubleshooting, and repairing PLC controlled lab trainers as well as actual industrial equipment. Note: This course was previously listed as ELT 258.

Prerequisite(s): ELT 1206 or EIC 1201 and ELT 2252

ELT 2359 - Advanced Programmable Logic Controllers

3 credits

Serves as the second in a two course sequence and covers advanced topics and applications for programmable logic controllers (PLCs) as they are applied in robotics and automation. Includes advanced programming, diagnostics, Human Machine Interfaces (HMIs), introduction to automation networking, and system integration. Incorporates lab and project activities that address designing, operating, monitoring, programming, analyzing, troubleshooting, and repairing PLC controlled lab trainers as well as actual industrial equipment. Note: This course was previously listed as ELT 259.

Prerequisite(s): ELT 2358

ELT 2367 - Introduction to Robotics

1 credit

Introduces basic robotics. Enables the student to program a robot in a higher-level language to perform various tasks. Covers building and interfacing of sensor circuits. Note: This course was previously listed as ELT 267.

Prerequisite(s): ELT 1206 or EIC EIC 1201

ELT 2368 - Robotics Technologies

3 credits

Introduces industrial robotics as well as a survey of the technologies and equipment used in manufacturing automation and process control. Includes axis configurations, work envelopes, programming, troubleshooting, and maintenance. Incorporates a survey of automation topics including history, computer and hardwired controls, sensors and transducers, motors and actuators, fluid power, etc. and provides a preview of the other ELT classes that cover those subjects. Note: This course was previously listed as ELT 268.

Prerequisite(s): ELT 2358

ELT 2455 - Fluid Power

3 credits

Enables the student to study, construct, test and evaluate circuit diagrams, transmission of force and energy, pumps and motors, actuators, cylinders, valves, and control devices. Incorporates the construction of hydraulic and pneumatic circuits using industrial equipment in the laboratory. 68 contact hours. Note: This course was previously listed as ELT 255.

Prerequisite(s): ELT 1206 or EIC EIC 1201

Emergency Medical Services

EMS 1015 - Emergency Medical Responder

3 Credits

Provides the student with core knowledge and skills to function in the capacity of a first responder arriving at the scene of an emergency, providing supportive care until advanced EMS help arrives. Note: This course was previously listed as EMS 115.

EMS 1021 - EMT Fundamentals

3 Credits

Introduces the EMT student to pre-hospital emergency care. The topics included in this course are EMS systems, well-being of the EMT, communications, documentation, anatomy, airway management, and patient assessment. Note: This course was previously listed as EMS 121.

EMS 1022 - EMT Medical Emergencies

4 Credits

Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to effectively provide emergency care and transportation to a patient experiencing a medical emergency. This course focuses on the integration of the physical exam, medical history and pathophysiology when assessing and treating the medical patient. Note: This course was previously listed as EMS 122.

Prerequisite(s): EMS 1021

Corequisite(s): EMS 1021

EMS 1023 - EMT Trauma Emergencies

2 Credits

Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to provide appropriate emergency care and transportation of a patient who has suffered a traumatic injury. The concepts of kinematics and the biomechanics of trauma, along with pathophysiology and injury patterns will provide the student with the ability to assess and manage the trauma patient. Note: This course was previously listed as EMS 123.

Prerequisite(s): EMS 1021

Corequisite(s): EMS 1021

EMS 1024 - EMT Special Considerations

2 Credits

Provides the Emergency Medical Technician (EMT) student with the knowledge and skills required to modify the assessment, treatment, and transportation of special patient populations and patients in special circumstances. This course also provides an overview of incident command, mass casualty incidents, vehicle extrication, air medical support, hazardous materials, and terrorism. Note: This course was previously listed as EMS 124.

Prerequisite(s): EMS 1021

Corequisite(s): EMS 1021

EMS 1030 - EMT Intravenous Therapy

2 Credits

Focuses on cognitive and skill practice as required by Colorado Pre-hospital Care program for EMT Basic level IV approval. Examines criteria, procedures and techniques for IV therapy, discusses fluid and electrolyte balance and principles and treatment for shock. Note: This course was previously listed as EMS 130.

Required: Current State EMT Certification, all Hepatitis B vaccinations and current CPR card

EMS 1070 - EMT Clinical

1 Credit

Provides the EMT student with the clinical experience required for initial certification and some renewal processes. Note: This course was previously listed as EMS 170.

Prerequisite(s): EMS 1021

Corequisite(s): EMS 1021

EMS 1071 - Advanced Emergency Medical Technician Clinical Internship

2 Credits

Builds on the Advanced Emergency Medical Technician (AEMT) student's fundamental knowledge of patient care in the clinical and field setting. The student will perform patient assessments through physical examination, and patient interviews of health history and current illness. The student will then use those assessment findings to develop and carry out a patient treatment plan. This will include pediatric, geriatric and adult patients with a variety of presentations. The student will also survey each field scene for safety considerations and scene management.

Prerequisite(s): EMS 1125

EMS 1081 - EMS Internship I

5 Credits

Provides the learner with the opportunity to apply clinical concepts, strategies, and skills in a supervised field internship setting as a pre-hospital healthcare provider. Under the supervision of a preceptor, participants will be expected to manage all aspects of an emergency call from the time of dispatch to patient transfer. This will include radio, verbal and written communications, legal and ethical issues, response activities, scene assessment and management, patient interaction, assessment, and treatment, patient disposition, and preparation for the next call. The course allows the learner to gain knowledge, skills, and experience that may be required for employment, or required as a pre-requisite for further Emergency Medical Services (EMS) education. The knowledge base for this course is based on current pre-hospital

healthcare provider certification, and knowledge and skills acquired from EMS classes the participant has completed or is currently enrolled in. Note: This course was previously listed as EMS 181.

EMS 1125 - Advanced Emergency Medical Technician Fundamentals

2 Credits

Provides the Advanced Emergency Medical Technician (AEMT) student with instruction in EMS systems, communications and documentation, pathophysiology, airway management, and the role of EMS in public health.

Required: Colorado EMT Certification

Prerequisite(s): College Readiness in English

EMS 1131 - AEMT Pharmacology

3 Credits

Introduces pharmacological management of patients within the Advanced Emergency Medical Technician (AEMT) scope of practice. This course covers how to administer medications safely by various routes, how to start an intravenous line, and how to calculate drug doses. The pharmacokinetics and pharmacodynamics of the AEMT scope medications are discussed in detail, along with the indications, contraindications, and doses of each medication.

EMS 1133 - AEMT Medical

2 Credits

Introduces the Advanced Emergency Medical Technician (AEMT) student to a fundamental knowledge of emergency care for the medical patient. This course provides instruction in the integration of physical exam findings, history findings, and pathophysiology when assessing and treating the medical patient. Topics addressed include neurology, immunology, infectious diseases, endocrine disorders, cardiovascular disorders, toxicology, respiratory emergencies, hematology, and renal disorders.

Prerequisite(s): EMS 1125

Corequisite(s): EMS 1125

EMS 1135 - AEMT Trauma

2 Credits

Introduces the Advanced Emergency Medical Technician (AEMT) student to a fundamental knowledge of emergency care for the trauma patient. The student will learn how to utilize assessment findings to provide basic and selected advanced emergency care and transportation for the trauma patient.

Prerequisite(s): EMS 1125

Corequisite(s): EMS 1125

EMS 1140 - Advanced EMS Simulation

3 Credits

Builds upon the knowledge gained in the basic simulation lab. The participants will be exposed to the environment they will function in upon completion of their Emergency Medical Service (EMS) education. Participants will be expected to manage all aspects of an EMS call at the advanced life support level from the time of dispatch to patient transfer. This will include

radio, verbal and written communications; legal and ethical issues; response activities; scene assessment and management; patient interaction, assessment, and treatment; patient disposition, and preparation for the next call. Simulations are realistic representations of calls an advanced life support clinician may encounter, and are conducted in "real time." T-here is no verbalization of any aspect of the call. Unless a safety issue exists there is no instructor interaction with the learner until the call is complete and the debriefing session occurs. The knowledge base for this course is based on current EMT certification, information gained during the basic simulation lab, and knowledge and skills acquired from advanced life support classes.

EMS 2025 - Fundamentals of Paramedic Practice

3 Credits

Introduces the paramedic student to the advanced practice of prehospital care. This course covers professional behavior, medical ethics, legal issues, patient assessment, therapeutic communication, clinical decision making, and basic and advanced airway management. This course discusses EMS's role in the healthcare continuum, professional communication, patient care documentation, IV fluid therapy and resuscitation, and the application of evidence based medicine. A brief overview of human anatomy, physiology and pathophysiology is included. Note: This course was previously listed as EMS 225.

Prerequisite(s): BIO 1006

EMS 2026 - Fundamentals of Paramedic Practice-Lab

2 Credits

Teaches the skills necessary for the paramedic to apply professional behavior, medical ethics, legal issues, patient assessment, therapeutic communication, clinical decision making, and airway management. Serves as the companion course to Fundamentals of Paramedic Practice. Note: This course was previously listed as EMS 226.

Required: Acceptance in paramedic program-site specific.

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2027 - Paramedic Special Considerations

3 Credits

Introduces the paramedic student to concepts in assessing and meeting the emergency care needs of the neonate, pediatric, geriatric and special needs patient. This course focuses on epidemiology, pathophysiology, assessment and treatment of these patient groups. Common medical and traumatic presentations are addressed. Relevant psychosocial and ethno cultural concepts and legal and ethical implications are integrated throughout. Note: This course was previously listed as EMS 227.

Required: Acceptance into paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2028 - Paramedic Special Considerations Lab

2 Credits

Teaches the skills necessary for the paramedic to effectively assess and treat neonatal, pediatric, geriatric, and special needs patients utilizing skills and simulation scenarios. Serves as the companion course to Paramedic Special Considerations. Note: This course was previously listed as EMS 228.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2029 - Paramedic Pharmacology

3 Credits

Introduces the paramedic student to advanced emergency pharmacology, pharmacokinetics and pharmacodynamics. This course will include laws affecting the use and distribution of medications, medication dosing, clinical calculations, routes of administration and discussion of common medication classifications to include indications, contraindications and side effects.

Required: Acceptance in paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2030 - Paramedic Pharmacology Lab

2 Credits

Teaches the skills necessary for the paramedic to safely and effectively administer emergency medications. Serves as the companion course to Paramedic Pharmacology. Note: This course was previously listed as EMS 230.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2031 - Paramedic Cardiology

5 Credits

Introduces the paramedic student to cardiovascular emergencies and the care of patients presenting with cardiovascular emergencies. Topics will include assessment of the cardiovascular system, ECG acquisition and interpretation both single lead and 12 lead, pathophysiology of cardiovascular disease and treatments indicated for a given disease. Note: This course was previously listed as EMS 231.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2032 - Paramedic Cardiology Lab

1 Credit

Teaches the skills necessary for the

paramedic to effectively assess and treat patients presenting with cardiovascular emergencies utilizing skills and simulation scenarios. Serves as the companion course to Paramedic Cardiology. Note: This course was previously listed as EMS 232.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2033 - Paramedic Medical Emergencies

4 Credits

Expands on the paramedic student's knowledge of medical emergencies with the Integration of assessment findings in formulating a field impression and implementing a treatment plan. This course will cover principles of epidemiology and pathophysiology related to common medical emergencies including: neurological, abdominal and gastrointestinal disorders, immunological, infectious diseases, endocrine disorders, psychiatric disorders, toxicological, respiratory, hematological, genitourinary, gynecological, non-traumatic musculoskeletal disorders, and diseases of the eyes, ears, nose, and throat. Note: This course was previously listed as EMS 233.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2034 - Paramedic Medical Emergencies Lab

1 Credit

Teaches the skills necessary for the paramedic to effectively assess and treat patients with a variety of medical emergencies utilizing skills and simulation scenarios. Serves as the companion course to Paramedic Medical Emergencies. Note: This course was previously listed as EMS 234.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2035 - Paramedic Trauma Emergencies

4 Credits

Expands on the paramedic student's knowledge of trauma emergencies with the integration of assessment findings in formulating a field impression and implementing a treatment plan for an acutely injured patient. The course will provide an in depth evaluation of trauma to include: categorization of trauma patients, incidence of trauma, trauma systems, types of injury, trauma assessment, documentation in trauma, trauma scoring scales, trauma center designations, and transfer of patients. Note: This course was previously listed as EMS 235.

Required: Acceptance to paramedic program-site specific

EMS 2036 - Paramedic Trauma Emergencies Lab

1 Credit

Teaches the skills necessary for the paramedic to effectively assess and treat patients with a variety of traumatic emergencies utilizing skills and simulation scenarios. Serves as the companion lab course for Paramedic Trauma Emergencies. Note: This course was previously listed as EMS 236.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2037 - Paramedic Internship Preparatory

2 Credits

Reviews concepts and techniques used in the prehospital setting. Note: This course was previously listed as EMS 237.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as EMS 275.

EMS 2080 - Paramedic Internship I

6 Credits

Serves as the preceptor/internship program for paramedic students. Note: This course was previously listed as EMS 280.

Required: Acceptance to paramedic program-site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2081 - Paramedic Internship II

6 Credits

Serves as the continuation of EMS 2080, preceptor program for paramedic students. Note: This course was previously listed as EMS 281.

Required: Acceptance to paramedic program site specific

Prerequisite(s): EMS 2025

Corequisite(s): EMS 2025

EMS 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as EMS 285.

Required: Instructor's permission

EMS 3010 - Behavioral Assessment

3 Credits

Introduces several assessment tools and techniques for assessing a client in a behavioral setting. The course will also introduce de-escalation techniques aimed at calmly communicating with an agitated client in order to understand, manage, and resolve their concerns. Note: This course was previously listed as EMS 310.

Required: Admission to a BAS program

EMS 3011 - Motivational Interviewing and De-escalation Techniques

3 Credits

Introduces the Motivational Interviewing (MI) concept as a client-centered and conversational method of communication designed to assist helping professionals to address clients' ambivalence to change. Note: This course was previously listed as EMS 311.

Required: Admission to a BAS program

EMS 3012 - Trauma Informed Care and Assessment

3 Credits

Provides an overview of trauma-informed approaches, covering the types of trauma experienced, the impact of trauma on individuals, and principles of trauma-informed care. Note: This course was previously listed as EMS 312.

Required: Admission to a BAS program

EMS 3030 - Community Advocacy and Outreach

3 Credits

Introduces the role and function of the Community Paramedic (CP). The course provides insight into Community Paramedic's specific role and function as a member of a health care team and part of a community. The course identifies the components of the role, defines the role, and explains "scope of service" for the position of CP. The role of the CP as an advocate for clients in the community is discussed. Note: This course was previously listed as EMS 330.

Required: Admission to a BAS program

EMS 3031 - Community Assessment

3 Credits

Introduces students to the role of the Community Paramedic (CP) as a member of the health care team in community assessment. The course presents concepts related to mapping community health care services, describing the demographics of the community, and assessing their impact on the health of the potential patients. The course will provide an understanding of community health services in order to understand the health care needs in the community. Note: This course was previously listed as EMS 331.

Required: Admission to a BAS program

EMS 4025 - Fundamentals of Advanced Paramedic Practice

4 Credits

Presents advanced techniques for patient assessment and management. The course covers analysis of lab values associated with electrolytes, pharmacokinetics, and pulmonary gasses as they pertain to the pathophysiology of disease and patient

management. Note: This course was previously listed as EMS 425.

Required: Admission to a BAS program

EMS 4030 - Care and Prevention Development Strategies

3 Credits

Introduces the responsibilities of the Community Paramedic (CP) for gathering appropriate patient/client information and maintaining accurate records, including documentation of encounters between the CP and the patient/client. The course presents information about the CP's role in assessing health care needs and appraising health care conditions. Note: This course was previously listed as EMS 430.

Required: Admission to a BAS program

EMS 4033 - Advanced Paramedic Medical Care

4 Credits

Provides advanced knowledge on assessing and managing patients with acute medical conditions and chronic medical conditions that have progressed in severity. This course focuses on in-depth pathophysiology of disease, advanced assessment, pharmacologic, and management required for patient care. Note: This course was previously listed as EMS 433.

Required: Admission to a BAS program

EMS 4035 - Advanced Paramedic Trauma Care

3 Credits

Provides students with the advanced knowledge required to assess and manage patients with acute medical conditions and chronic medical conditions that have progressed in severity. In-depth pathophysiology of disease will be presented in conjunction with the advanced assessment, pharmacologic and management knowledge required to care for patients. Note: This course was previously listed as EMS 435.

Required: Admission to a BAS program

EMS 4089 - Capstone

3 Credits

Provides students opportunity in a clinical setting for gathering and reviewing patient history, developing a care plan, providing appropriate treatment or counseling to the patient, and determining appropriate patient disposition. Note: This course was previously listed as EMS 489.

Required: Admission to a BAS program

Emergency Service Administration

ESA 3000 - Leadership for Emergency Executives

3 Credits

Focuses on the necessary skills to lead in complex systems. This course covers emergency leadership core competencies including critical thinking, problem solving, visionary strategic planning, organizational communication, negotiation, and conflict resolution skills. Additionally, it introduces ethical obligations in the emergency

leadership profession. Note: This course was previously listed as ESA 300.

ESA 3005 - Crisis Communication and Public Relations

3 Credits

Designed to enhance the communication and interpersonal skills of emergency administrators and responders. This course discusses different components of crisis communication before, during and after an emergency event and examines the cognitive and affective aspects of communication. Additionally, it covers effective communication with a wide range of audiences and strategies to avoid conflicts. Note: This course was previously listed as ESA 305.

ESA 3010 - Emergency Public Information and Media Training

3 Credits

Provides training on communicating emergency public information. This course covers communication technologies, relationships among methods of delivery, effective skills of an effective PIO, and effective communication tools for given situations and audiences. Additionally, it provides training on effective oral and written communication, designing and executing a media plan, and developing a public awareness campaign for an emergency event. Note: This course was previously listed as ESA 310.

ESA 3015 - Elements of Emergency Service Administration

3 Credits

Introduces the fundamentals of emergency service administration. This course also examines the multidisciplinary roles and responsibilities of the emergency service administrator in terms of leading and participating in incident management including command, multiagency coordinating, communicating, and establishing procedures. Note: This course was previously listed as ESA 315.

ESA 3020 - Designing Safer Communities

4 Credits

Introduces practices employed in risk management including identification of and differentiation between hazards and threats. This course focuses on vulnerability and risk assessment/analysis methodologies and discusses the importance of the country's critical infrastructure and key resources, its vulnerability to attack, and the need for effective public-private partnerships at the local, state and federal government levels to build safer communities. Note: This course was previously listed as ESA 320.

ESA 3025 - Public Policy and Practical Applications in Emergency Services

3 Credits

Covers legal systems, laws, regulations and policy process within the context of disaster policy and demonstrates how political factors play a role in all phases of emergency management. This course provides the analytical tools to examine, interpret and analyze governmental decision making before, during and after disasters. Note: This course was previously listed as ESA 325.

ESA 3030 - Budget and Planning Fundamentals for Emergency Administrators

3 Credits

Covers budgeting principles in emergency services including effective and efficient budgeting strategies necessary to support and sustain emergency service organizational operations. Guidelines for procurement of emergency service funding are strongly emphasized. This course describes the auditing processes for private and public organizations and provides scenarios of misappropriations or misuse of funding. Additionally, it introduces lean management and SWOT (Strength, Weakness, Opportunity, Threat) concepts. Note: This course was previously listed as ESA 330.

ESA 4000 - Personnel Management in Emergency Service Agencies

3 Credits

Focuses on personnel management and human resources as it applies to emergency service agencies in accordance with local, state, and federal laws. Areas of concentration include personnel planning, staffing, supervision, discipline, labor relations, affirmative action, equal employment opportunity, productivity, and compensation. Additionally, it provides training in employee motivation, performance evaluations, contract negotiations, and conducting exit interviews. Note: This course was previously listed as ESA 400.

ESA 4005 - Public Health in Complex Emergencies

4 Credits

Focuses on the psychological and physiological responses to disasters, intervention strategies and mental health care for disaster victims and first responders. This course covers the functions of health systems and public health laws. It also covers global issues that have the potential to become crises and discusses the future of emergency service response. Note: This course was previously listed as ESA 405.

ESA 4010 - Terrorism Threat and Risk Analysis

3 Credits

Introduces the theoretical and practical aspects of terrorism and counter terrorism. This course examines the evolution, classifications, targets and effects associated with terrorism and discusses the necessary tools to conduct terrorism threat assessments. Additionally, it covers the challenges facing the US governmental agencies responsible for addressing terrorism and providing homeland security. Both local and international terrorism will be addressed including action taken by systems to control, prevent and mitigate terrorism. Note: This course was previously listed as ESA 410.

ESA 4015 - Tactical Planning, Response and Recovery

4 Credits

Expands upon concepts in emergency management introduced in Elements of

Emergency Service Administration. This course addresses topics associated with All-Hazards emergency planning, response, and recovery, as well as multi-agency involvement. It also discusses the templates and models used to develop action and operations plans and the complex interface between incident action planning, incident command, and emergency operations at all levels of government. Note: This course was previously listed as ESA 415.

ESA 4020 - Research & Design for Emergency Administration

3 Credit

Covers research methodologies and statistical analysis required for composing a research proposal. Databases will be utilized for decision-making, fund requesting and policy development. This courses covers barriers to conducting research in the field of emergency services and strategies for eliminating them. Additionally, it provides tips on effective oral and visual presentations as it relates to proposals. Note: This course was previously listed as ESA 420.

Prerequisite(s): MAT 1260

ESA 4089 - Capstone: Emergency Services Administration

6 Credits

Provides a demonstrated culmination of learning in emergency service administration knowledge, theory, and skills learned throughout their coursework in an agency setting. Collective knowledge of program topic will be demonstrated through a final project from either an internship (if the student does not have practical agency experience) or a current agency project (if the student currently employed with an agency). Note: This course was previously listed as ESA 489.

Prerequisite(s): ESA 3015, ESA 4005, ESA 4010, and ESA 4015

Corequisite(s): ESA 4020

Engineering

EGG 1030 - Robotics Design

1 credit

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 1040 - First Year Engineering Projects

3 Credits

Teaches how to engage community stakeholders and use traditional research practices to identify, define, articulate, and design technical solutions to open-ended problems. The course utilizes teamwork on a semester-long iterative design project.

Prerequisite(s): MAT 1340 or higher

EGG 1050 - Engineering Data Analysis

1 Credit

Focuses on the process of data analysis

and presentation for scientists and engineers. Topics include an introduction to statistics, probability, data graphics, fitting, modeling, and communicating the data and results in written and oral formats.

Prerequisite(s): MAT 1340 or higher

EGG 1051 - Introduction to Experimental Design and Engineering

2 Credtis

Introduces the design and construction of scientific and/or engineering experiments. This course covers the entire life cycle of the experiment or prototype from concept generation and design through construction, making measurements, analysis of collected data, and communication of results.

Prerequisite(s): MAT 1340 or higher

EGG 1060 - Introduction to Engineering Computing

4 Credits

Introduces techniques for designing, implementing, and testing computer programs in higher-level programming languages to solve problems common in engineering domains. This course uses elementary numerical methods, visualization, and tools from engineering.

Corequisite(s): MAT 2410 or higher

EGG 2011 - Engineering Mechanics I-Statics

3 Credits

Focuses on the vector and calculus treatment of forces and force systems, including particle and rigid body force systems. Additional topics include moments, friction, structures, and section properties. Note: This course was previously listed as EGG 211.

Prerequisite(s): MAT 2410 or higher

Corequisite(s): PHY 2111

EGG 2012 - Engineering Mechanics II (Dynamics)

3 Credits

Presents content in particle kinematics, including 2-D motion in x-y coordinates, normal tangential coordinates, and polar coordinates; rigid body kinematics, including relative velocities and relative accelerations; and rigid body kinetics, including the equation of motion, work and energy, linear impulse-momentum, and angular momentum. Note: This course was previously listed as EGG 212.

Prerequisite(s): EGG 2011

EGG 2020 - Thermodynamics

3 Credits

Explores fundamental concepts and basic theory, including first and second laws of thermodynamics, thermodynamic functions, properties, states, cycles, pure substances, and chemical and phase equilibrium.

Prerequisite(s): PHY 2111 and MAT 2410 or higher

EGG 2030 - Mechanics of Solids

3 Credits

Uses forces and torque to determine stress and strain on objects. This course includes

bending moments, shear forces, deflection in beams, deformations in structural members, and stress transformation.

Prerequisite(s): EGG 2011

EGG 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as EGG 275.

EGG 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as EGG 285.

Required: Instructor's permission

Engineering Graphics Technology

EGT 1100 - Print Reading

3 Credits

Focuses on the interpretation of mechanical shop and working drawings. Examines drawing formats, view selection, hardware, symbols, dimensioning, and tolerancing systems utilizing the American Society of Mechanical Engineers (ASME) standard. Note: This course was previously listed as EGT 105.

EGT 1110 - Intro Design/Engineering Apps

3 Credits

Provides students with opportunities to engage with an industry client on a real-world, open-ended engineering design problem. Students will develop professional skills and knowledge using Computer Aided Drafting (CAD) as a primary tool. The course covers human-centered design and the role of engineering in a sustainable society. Students will cultivate an understanding of the differences in engineering disciplines while working in interdisciplinary teams. Written and verbal communication skills will also be covered.

Prerequisite(s): MAT 1340 or higher

EGT 2080 - Internship

3 Credits

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. Note: This course was previously listed as EGT 280.

Prerequisite(s): Chair Approval

EGT 2089 - Capstone

3 credits

A demonstrated culmination of learning within a given program of study. Note: This course was previously listed as EGT 289.

Prerequisite(s): Chair Approval

English

All of the degree programs at ACC require students to successfully complete English

composition courses; different programs require different courses. Before students enroll in composition courses, the students must demonstrate their writing competencies by means of a placement test. ENG 1021-ENG 1022 is the traditional college-level freshman composition program. The courses are sequential and acceptable for college transfer. All A.A. and A.S. students must complete this sequence; however, those students who demonstrate deficiencies in their writing competencies will be required to begin their writing programs in the College Composition and Reading (CCR) courses: ENG 0092 and ENG 0093 and ENG 0094. Students who test into ENG 0092 or lower are also required to coenroll in AAA 1009.

ENG 1031 is a college-level course designed especially for students interested in occupational or technical fields. Many occupational programs require ENG 1031; however, some students may need ENG 0092, ENG 0093, ENG 0094 before enrolling in ENG 1031. LITERATURE and HUMANITIES courses (listed separately) provide opportunities for refinement of reading, writing and critical-thinking skills. See also JOURNALISM.

ENG 0076 - Special Topics

3 Credits

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

ENG 0090 - Composition and Reading

3 Credits

Integrates and contextualizes college-level reading and writing.

ENG 0092 - English

5 Credits

Integrates and contextualizes college-level reading and writing. Note: This course was previously listed as CCR 092.

ENG 0093 - Studio D

3 Credits

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. Note: This course was previously listed as CCR 093.

ENG 0094 - Studio 121

3 Credits

Integrates and contextualizes reading and writing strategies tailored to co-requisite ENG 1021 coursework. Note: This course was previously listed as CCR 094.

ENG 0095 - Studio 1021 for Multilingual Learners

3 Credits

Supports multilingual learners in reading, writing, and language acquisition strategies tailored to pair with English Composition coursework.

ENG 1021 - English Composition I: GT-CO1

3 Credits

Emphasizes the planning, writing, and

revising of compositions, including the development of critical and logical thinking skills. This course includes a wide variety of compositions that stress analytical, evaluative, and persuasive/argumentative writing. This is a statewide Guaranteed Transfer course in the GT-CO1 category. Note: This course was previously listed as ENG 121.

Prerequisite(s): College Readiness in English

ENG 1022 - English Composition II: GT-CO2

3 Credits

Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or argumentative compositions. This is a statewide Guaranteed Transfer course in the GT-CO2 category. Note: This course was previously listed as ENG 122.

Prerequisite(s): ENG 1021 or ENG 1031

ENG 1031 - Technical Writing I: GT-CO1

3 Credits

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. Note: This course was previously listed as ENG 131.

Prerequisite(s): College Readiness in English

ENG 2001 - English Composition III: GT-CO3

3 Credits

Provides the skills necessary to enter into higher-level undergraduate academic discourse or professional workplace writing. This course extends rhetorical knowledge and develops critical reading, thinking, and writing strategies in multiple specialized areas of discourse beyond what is encountered in previous composition courses. This is a statewide Guaranteed Transfer course in the GT-CO3 category. Note: This course was previously listed as ENG 201.

Prerequisite(s): ENG 1022

ENG 2021 - Creative Writing I: GT-AH1

3 Credits

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. Note: This course was previously listed as ENG 221.

ENG 2022 - Creative Writing II

3 Credits

Provides continued development of written expression in the creative genres (fiction,

poetry, and other types of creative production such as drama, screenplays, graphic narrative, or creative nonfiction) with emphasis on the student's own unique style, subject matter and needs. This course is a creative writing workshop centered around producing and critiquing creative work. Note: This course was previously listed as ENG 222.

ENG 2026 - Fiction Writing

3 Credits

Provides techniques for analyzing and writing fiction, including the study of form and technique with an emphasis on the writing process. Note: This course was previously listed as ENG 226.

ENG 2027 - Poetry Writing

3 Credits

Provides strategies for analyzing and writing poetry, including the study of form and craft with an emphasis on the revision process. Sample texts will cover a diverse range of works from various cultures and perspectives. Note: This course was previously listed as ENG 227.

ENG 2028 - Writing for the Graphic Novel

3 Credits

Introduces story analysis and writing concepts used in writing for the graphic novel. Students explore the graphic novel as a vehicle for a unique, personal venue for written expression. Students explore the history and universal themes of the graphic novel as well as examine the principles of composition, different writing styles and processes used in the development of the graphic novel. The application of writing skills, script development and revision processes necessary for the creation of an individual graphic work and thorough examination of course material in terms of writing style, process considerations and written themes are the primary focus. Students create outlines, scripts and a final written work for a graphic novel, focusing on unity of style and techniques for authoring appropriate to story lines. Note: This course was previously listed as ENG 228.

ENG 2030 - Creative Nonfiction

3 Credits

Introduces creative nonfiction and the writing of essays by using creative techniques, such as the personal essay, memoir, and literary journalism. This course provides techniques for analyzing and writing creative nonfiction, including the study of form and technique, and the creative writing process. Note: This course was previously listed as ENG 230.

ENG 2031 - Literary Magazine

3 Credits

Covers the production of a literary magazine through skill building and collaboration. This course introduces the editorial process involved in preparing a literary magazine for publication, including soliciting submissions; selecting material for publication (fiction, nonfiction, poetry, visual art, and other genres, such as drama); preparing a manuscript for publication, including design, layout, and pre-press production; and marketing the final product. Note: This course was previously listed as ENG 231.

Required: See the ACC web page for the Progenitor Art and Literary Journal.

ENG 2035 - Rhetoric and Propaganda

3 Credits

Examines classical and modern theories of rhetoric, understood as effective, ethical means of persuasion, and the ways in which propaganda departs from these means. Enables the student to apply theories of rhetoric and propaganda to examples of presidential rhetoric, Nazi and Soviet propaganda, and other examples of persuasive writing. Includes the study of visual rhetoric with students constructing criteria for identifying visual propaganda, and studying the complex relationship, historically and in the present, between propaganda, democracy, advertising, and mass media. Note: This course was previously listed as ENG 235.

ENG 2038 - Writing the Novel I

3 Credits

Learn the art and craft of writing a literary novel through intensive study of the process of developing long form narrative. Explore techniques for outlining plot, developing characters, and establishing setting. Workshops will emphasize critical review of students' own creative writing and all participants will develop and refine their critical vocabulary and methodology. Note: This course was previously listed as ENG 238.

ENG 2064 - Publishing Your Writing

3 Credits

Familiarizes students with the publishing industry and helps them get published. Students target audiences, prepare manuscripts for publication and contests, and submit their writing. They write a cover letter, a query letter, a personal biography, and a book proposal. They design and assess a book or a collection, perform a competitive title analysis, and prepare a marketing plan. The course covers submission guidelines, copyright, authors' rights, and trends in the industry. Note: This course was previously listed as ENG 264.

ENG 2075 - Special Topics: Rhetoric

1-6 Variable Credits

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

ENG 2085 - Independent Study

1-6 Variable Credits

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

ENG 2089 - Capstone

1-6 Variable Credits

Provides a demonstrated culmination of learning within a given program of study. Note: This course was previously listed as ENG 289.

Entrepreneurship

ENP 1005 - Introduction to Entrepreneurship

3 Credits

Explores the business skills, personality traits, and commitment necessary to successfully plan, launch, and grow an entrepreneurial venture. This course will cover the challenges and rewards of

entrepreneurship. This course will cover the role of entrepreneurial businesses in the United States and the world and their impact on our national and global economy. Note: This course was previously listed as ENP 105.

ENP 2005 - Marketing for the Entrepreneur

3 Credits

Covers marketing strategies to launch and sustain an entrepreneurial venture. This course will include topics on marketing entrepreneurial ventures utilizing innovative and financially responsible marketing strategies. This course will help students to develop an understanding of entrepreneurial marketing goals and objectives. The course covers marketing principles and electronic marketing. Note: This course was previously listed as ENP 205.

ENP 2006 - Entrepreneurship Legal Issues

3 Credits

Explores legal issues related to business entities including sole proprietorship, general partnerships, limited partnerships, and corporations. This course reviews articles of incorporation and the filing process, employment law, property, landlord tenant rights and duties, and business insurance. Note: This course was previously listed as ENP 206.

ENP 2007 - Entrepreneurship Financial Topics

3 Credits

Will cover topics such as financial planning for entrepreneurs, understanding tax considerations, understanding financial documents, financial ratio analysis, cash flow management, cost of capital and budgeting, raising capital, valuation, risk assessment, and venture exits. Note: This course was previously listed as ENP 207.

ENP 2009 - Entrepreneurship Business Plan

3 Credits

Guides students through the evaluation of a business concept. This course will include writing a comprehensive business plan. This course explores both traditional and lean business planning as a means to establish strategic vision and direction for a business. This course assesses the strengths and weaknesses of a business concept. This course will include identifying external and environmental factors related to business ownership and evaluating various resources available for funding small businesses. Note: This course was previously listed as ENP 209.

Environmental Science

ENV 1010 - Natural Disasters: GT-SC2

3 Credits

Introduces different types of natural hazards, their causes, effects, and what can be done to reduce the risks to human populations. Scientific advances related to understanding, predicting, and preparing for natural disasters are discussed. This course also covers anthropogenic changes to Earth systems, which may be increasing the frequency and severity of these events. This is a statewide Guaranteed Transfer course in the GT-SC2 category. Note: This course was previously listed as ENV 110.

ENV 1111 - Environmental Science w/Lab: GT-SC1

4 Credits

Introduces the basic concepts of ecology and the relationship between environmental problems and biological systems. This course includes interdisciplinary discussions on biology, chemistry, geology, energy, natural resources, pollution, and environmental protection. A holistic approach is used when analyzing how the foundations of natural sciences interconnect with the environment. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as ENV 101

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

Esthetician

EST 1010 - Introduction to Skin Care

3 Credits

This course covers the study of skin in both theory and practical applications for skin care professionals. Topics included in the course are: skin structure and function, massage manipulations while providing facials and the benefits derived from a proper facial, and good skin care routines. Training is conducted in a classroom or lab setting using manikins or models. Note: This course was previously listed as EST 110.

EST 1011 - Intermediate Skin Care

2 Credits

This course covers skin care and practical application pertaining to anatomy, skin disorders, skin types and facial shapes. Students will help patrons to select the proper skin care treatment(s). Practical and theory application can be done in specialized classes or supervised salon setting using models or customer service. Note: This course was previously listed as EST 111.

EST 1060 - Introduction to Disinfection, Sanitation & Safety

2 Credits

Introduces the various methods of disinfection, sanitation and safety as used today in the industry. Classroom study of bacteriology and the terminology dealing with disinfection, sanitation and safety. Note: This course was previously listed as EST 160.

EST 1061 - Intermediate Disinfection, Sanitation & Safety

3 Credits

Presents theory and the daily utilization and practice of the proper methods of disinfection, sanitation, and safety. Procedures as related to all phases of the industry. Training is provided in a supervised (clinical) setting. Note: This course was previously listed as EST 161.

EST 2010 - Advanced Skin Care

2 Credits

This course covers advanced techniques for massage, skin care, and lash/brow tinting. Theory and practical procedures ready the student for employment and preparation for State Board Licensing Examination. Instruction is provided in specialized classes or in a supervised salon setting. Note: This course was previously listed as EST 210.

EST 2011 - Make-up for Skin Care Professionals

1 Credit

This course covers cosmetics and their functions for the skin care professional, including the importance of color theory, facial types and skin tones as they relate to facial makeup. Topics in this course include: Instruction from the basic makeup application, corrective makeup procedures, and disinfection and sanitation pertaining to all aspects of makeup. Note: This course was previously listed as EST 211.

EST 2012 - Hair Removal

3 Credits

Provides in-depth study and practice of hair removal and the practice of patron protection and safety. Training for general waxing and body waxing procedures are provided. Demonstration of disinfection and sanitation as it pertains to Colorado rules and regulations will be practiced. Note: This course was previously listed as EST 212.

EST 2060 - Advanced Disinfection, Sanitation & Safety

2 Credits

Provides advanced training on disinfection, sanitation, and safety is incorporated in a supervised salon (clinical) setting. Advanced techniques will ready the student for employment. Student preparation for the State Board Licensing Examination in theory and practical procedures for disinfection, sanitation and safety. Note: This course was previously listed as EST 260.

Film Video Media

FVM 1005 - Video Production I

3 Credits

This introduction to visual storytelling provides students with the opportunity to identify the components and explore the expressive visual elements that compromise narrative motion pictures. With an emphasis on creating emotional connections between character and audience, this course will help students learn techniques to create and illustrate effective and dimensional stories. Students will also learn the art of collaboration, which is necessary for film production.

Prerequisite(s): PHO 1022 - Image Capture II, PHO 2004 - Commercial Studio Lighting

Corequisite(s): FVM 1060 - Video Post Production I

FVM 1060 - Video Post Production I

3 Credits

The student will demonstrate comprehension of basic editing techniques to enhance visual storytelling. The student will learn to critically analyze shot construction, motion and composition in storytelling and character development for the films and exercises they shoot in FVT/FVM 105 Video Production I.

Prerequisite(s): PHO 1022 - Image Capture II, PHO 2004 - Commercial Studio Lighting

Corequisite(s): FVM 1005 - Video Production I

Finance

FIN 1010 - Introduction to Finance

3 Credits

Examines the financial markets, financial instruments and the actors in these markets. The course covers the use of time value of money and other financial models to value different types of capital, financial data to analyze performance and to examine capital budgeting alternatives, and analyzes working capital needs and costs. Note: This course was previously listed as FIN 101.

FIN 2026 - Money and Banking

3 Credits

Presents a fundamental treatment of how money functions in the U.S. and world economies. Includes the concept of money supply, the Federal Reserve System, the role banks play as a money creator and participant in the nation's payment mechanism. Examines how the various types of financial institutions operate, the working of monetary and fiscal policies, and the role of a Central Bank and International Banking. Note: This course was previously listed as FIN 226.

FIN 3020 - Applied Finance

3 Credits

Focuses on applying financial concepts, ethical and financial sustainability practices to promote managerial success and improve organizational performance. It addresses the budgeting process, raising capital and examines cash and risk management. Topics include analysis of financial markets, managing financial performance, cash and capital budgeting, risk versus return, capital structure, time value of money, and financing for both short and long-term requirements.

French

FRE 1001 - Conversational French I

3 Credits

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. Note: This course was previously listed as FRE 101.

FRE 1002 - Conversational French II

3 Credits

Continues the sequence for beginning students who wish to understand and speak French. Covers basic conversational patterns, expressions, and grammar. Note: This course was previously listed as FRE 102.

FRE 1011 - French Language I: GT-AH4

5 Credits

Develops students' 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. Note: This course was previously listed as FRE 111.

FRE 1012 - French Language II: GT-AH4

5 Credits

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. Note: This course was previously listed as FRE 112.

Prerequisite(s): FRE 1011

FRE 2011 - French Language III: GT-AH4

3 Credits

Continues the development of increased functional proficiency at the intermediate level in speaking, aural comprehension, reading, writing, and cultural competency in the French language. This course is conducted predominantly in French. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as FRE 211.

Prerequisite(s): FRE 1012

FRE 2012 - French Language IV: GT-AH4

3 Credits

Continues the development of increased functional proficiency at intermediate mid level in speaking, aural comprehension, reading, writing, and cultural competency in the French language. This course is conducted predominantly in French. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as FRE 212.

Prerequisite(s): FRE 2011

FRE 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as FRE 275.

FRE 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as FRE 285.

Required: Instructor's permission

Geographic Information Systems

GIS 1001 - Introduction to Geographic Information Systems

3 Credits

Surveys the development, application and use of geographic information systems (GIS).

Geography

GEO 1005 - World Regional Geography: GT-SS2

3 Credits

Examines the spatial distribution of

environmental and societal phenomena in the world's regions. Environmental phenomena includes topography, climate, and natural resources. Societal phenomena includes patterns of population and settlement, religion, ethnicity, language, and economic development. This course also analyzes the characteristics that define world regions and distinguishes them from each other. This course examines the relationships between physical environments and human societies, and examines globalization, emphasizing the geopolitical and economic relationships between more developed and less developed regions. This is a statewide Guaranteed Transfer course in the GT-SS2 category. Note: This course was previously listed as GEO 105.

GEO 1006 - Human Geography: GT-SS2

3 Credits

Introduces geographic perspectives and methods in the study of human societies by examining the spatial characteristics of populations, language, religion, ethnicity, politics, and economics. This course examines the relationships between physical environments and human societies. This is a statewide Guaranteed Transfer course in the GT-SS2 category. Note: This course was previously listed as GEO 106.

GEO 1011 - Physical Geography: Landforms w/Lab: GT-SC1

4 Credits

Examines 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. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as GEO 111.

GEO 1012 - Physical Geography - Weather, Climate and Ecosystems w/Lab: GT-SC1

4 Credits

Introduces the principles of meteorology, climatology, ecology, and regional climate classification. The course investigates the geographic factors which influence climate and ecosystems such as topography, elevation, winds, ocean currents, and latitude. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as GEO 112.

GEO 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as GEO 275.

GEO 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as GEO 185.

Required: Instructor's permission

Geology

GEY 1108 - Geology of National Parks: GT-SC2

3 Credits

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 is a statewide Guaranteed Transfer course in the GT-SC2 category.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

GEY 1111 - Physical Geology w/Lab: GT-SC1

4 Credits

Introduces the major topics of geology. Course content encompasses Earth's materials, structure, and surface landforms. Geologic time and the geologic processes responsible for Earth's internal and external features are covered. This course includes laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as GEY 111.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

GEY 1112 - Historical Geology w/Lab: GT-SC1

4 Credits

Covers the development of Earth through the vast span of geologic time. Emphasis is on the investigation and interpretation of sedimentary rocks and features, the record of ancient environments, fossil life forms, and physical events in Earth's history within the framework of plate tectonics. This course includes laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as GEY 112.

Prerequisite(s): GEY 1111

GEY 1135 - Environmental Geology w/Lab: GT-SC1

4 Credits

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 is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as GEY 135.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

GEY 2075 - Special Topics

1-6 Variable Credits

Presents an overview of the special topic including one aspect of the earth and its history as recorded in rocks and rock formations. May also include current changes and impact of historical events and exploration of current topics, issues and activities related to one or more aspects of the named discipline. Note: This course was previously listed as GEY 275.

GEY 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as GEY 285.

Required: Instructor's permission

German

GER 1001 - Conversational German I

3 Credits

Introduces beginning students to conversational German and focuses on understanding and speaking German. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel. Note: This course was previously listed as GER 101.

GER 1011 - German Language I: GT-AH4

5 Credits

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. Note: This course was previously listed as GER 111.

GER 1012 - German Language II: GT-AH4

5 Credits

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. Note: This course was previously listed as GER 112.

Prerequisite(s): GER 1011

GER 2011 - German Language III: GT-AH4

3 Credits

Continues the development of increased functional proficiency at the intermediate level in speaking, aural comprehension, reading, writing, and cultural competency in the German language. This course is conducted predominantly in German. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as GER 211.

Prerequisite(s): GER 1012

GER 2012 - German Language IV: GT-AH4

3 Credits

Continues the development of increased functional proficiency at intermediate mid

level in speaking, aural comprehension, reading, writing, and cultural competency in the German language. This course is conducted predominantly in German. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as GER 212.

Prerequisite(s): GER 2011

Health and Wellness Education

HWE 1004 - Responding to Emergencies

2 Credits

Trains health care providers and fitness professionals in basic life support (BLS), two-person cardiopulmonary resuscitation (CPR) with automated external defibrillator (AED), and standard first aid with attention to sudden illness, specific diseases, and emergencies. Note: This course was previously listed as HWE 122.

HWE 1050 - Human Nutrition

3 Credits

Introduces basic principles of nutrition with emphasis on personal nutrition. This course focuses on macro and micro nutrients and their effects on the functions of the human body. Special emphasis is placed on the application of wellness, disease, and lifespan as it pertains to nutrition. Note: This course was previously listed as HWE 100.

HWE 1060 - Weight Loss

1 Credit

Focuses on calories in relationship to body weight and proper dietary behaviors that encourage weight loss. Note: This course was previously listed as HWE 108.

HWE 1061 - Fitness and Wellness

2 Credits

Provides information on fitness and wellness and serves as a guide to design, implement, and evaluate a complete personal fitness and wellness program.

HWE 1062 - Health and Wellness

3 Credits

Explores the six components of wellness: physical, social, intellectual, spiritual, emotional, and occupational. Topics include health risks, wellness behaviors, and personal behavior change in the areas of nutrition; exercise; substance abuse; stress management; cardiovascular and cancer risk factors; the aging process; and violence, death, and dying in our society. Provides tools to complete self-assessments and develop a wellness program for a healthier lifestyle across a lifespan. Note: This course was previously listed as HWE 111.

HWE 1065 - Introduction to Exercise Health Sciences

3 Credits

Introduces the discipline of kinesiology, including the effects of physical activity and exercise on the human physiology and human experience. The course also explores career options including expectations of professionals in the field. Note: This course was previously listed as HWE 125.

HWE 1068 - Certified Personal Trainer Preparatory Course

3 Credits

Provides knowledge and skills to prepare for a nationally recognized personal training certification. The course includes the development and implementation of exercise programs for healthy populations, and for individuals with medical clearance to exercise. Note: This course was previously listed as HWE 255.

HWE 2061 - Exercise and Sports Psychology

3 Credits

Introduces psychological principles related to physical activity and sport performance. Topics include behavior modification, identifying personality traits, assessing sport and exercise environments, focusing on team processes, improving performance, and enhancing health, growth, and development. Note: This course was previously listed as HWE 230.

HWE 2063 - Exercise Testing Prescription

3 Credits

Provides the opportunity to conduct and practice fitness assessments. Fitness test results are evaluated and interpreted to develop an individualized exercise prescription that adheres to national standards. Note: This course was previously listed as HWE 248.

HWE 2064 - Health and Wellness Coaching

3 Credits

Focuses on behavioral change strategies and goal-setting for adopting a healthier lifestyle with emphasis on exercise, physical activity, stress management, and nutrition. Methods of coaching topics include how to overcome obstacles that impede success. This course is geared towards the health and fitness professional. Note: This course was previously listed as HWE 256.

HWE 2088 - Internal Practicum

4-6 Credits

Designed for all majors in the Human Performance/Exercise Health Sciences Program and provides the student on-the-job training. The student will have the opportunity to further integrate academic knowledge and apply those skills gained through the Human Performance/Exercise Health Sciences degree curriculum. Working in various capacities within the ACC Fitness/Aquatic Center, Physical Education department and the Employee Wellness Program will be required. Students should receive entry-level proficiency at the completion of the course. Graded as Satisfactory/Unsatisfactory. Note: This course was previously listed as HWE 288.

HWE 2089 - Capstone

3 Credits

Facilitates transition from student to graduate through a comprehensive application of knowledge by preparing students to take their national certification exam as required by the fitness industry for

employment. Note: This course was previously listed as HWE 289.

Health Information Management

HIM 3000 - Data Structure and Design in HIM – Domain I

3 Credits

Compares diverse stakeholder perspectives of the delivery of healthcare services and analyzes corporate strategies for the management of information.

HIM 3005 - Health Record Compliance and Data Integrity – Domain I

3 Credits

Evaluates policies and strategies to achieve data integrity and examines recommended health record content across the healthcare system.

HIM 3010 - Health Information Governance – Domain I

3 Credits

Utilizes classification systems, clinical vocabularies, and medical nomenclatures and evaluates data dictionaries and datasets for compliance with information governance standards.

HIM 3015 - Health Privacy and Security – Domain II

3 Credits

Examines health information privacy and security strategies for recommended implementation in the healthcare organization and analyzes corporate compliance requirements throughout the health information life cycle.

HIM 3020 - Health Information Systems – Domain III

3 Credits

Analyzes technologies for health information management and introduces health informatics concepts for the management of health information.

HIM 3025 - Data Analytics and Visualization in Healthcare – Domain III

3 Credits

This course examines healthcare findings using data visualizations and the comparison to research methodologies pertaining to healthcare by interpreting statistics for health services.

HIM 3030 - Data Use and Management in Healthcare – Domain III

3 Credits

Examines data management techniques and identifies standards for the exchange of health information. This course includes assessment of systems and recommendation of appropriate systems to meet organizational needs.

HIM 4000 - Revenue Cycle Management – Domain IV

3 Credits

Evaluates the assignment of diagnostic and procedural codes and groupings in

accordance with official guidelines. This course examines techniques for management of components of the revenue cycle; and evaluates compliance with regulatory requirements and reimbursement methodologies.

HIM 4005 - Health Law and Compliance – Domain V

3 Credits

Examines regulatory compliance with legal processes impacting health information; evaluates corporate compliance with external regulatory forces; analyzes components of risk management for compliance with local, state, and federal policies.

HIM 4010 - Management and Leadership in Healthcare – Domain VI

3 Credits

Examines fundamental leadership skills and assesses the impact of organizational change.

HIM 4015 - Human Resources and Financial Mgmt in Healthcare – Domain VI

3 Credits

Analyzes human resource strategies for organizational best practices; identifies data-driven performance improvement techniques for decision-making; analysis of financial management processes for staffing.

HIM 4020 - Org Ldshp for DEI in Healthcare-Domain VI

3 Credits

Examines leadership behaviors that embrace cultural diversity, assesses ethical standards of practice, and facilitates consumer engagement activities.

HIM 4089 - HIM Capstone Course

3 Credits

To be determined by the individual instructor. A Course description will be developed for each course and documented within the course syllabus.

Health Information Technology

HIT 1001 - Health Information Management Science

3 Credits

Introduces the student to the health record, from inception to completion. Emphasis is on content and regulations impacting the health record in the various settings. Other areas to be discussed include the electronic health record and responsibilities of the Health Information Department. This course also examines various health care delivery systems and health care practitioners. Professional and practice-related ethical issues are discussed, as well as evaluating the consequences of a breach of healthcare ethics. Note: This course was previously listed as HIT 101.

HIT 1005 - Principles of Healthcare Reimbursement

3 Credits

Provides students with the knowledge needed to perform necessary tasks involved in healthcare reimbursement systems including payment methodologies, use of clinical data, and compliance. Note: This course was previously listed as HIT 105.

HIT 1011 - Health Data Management and Information Systems

3 Credits

Introduces the electronic health record (EHR)\components and health informatics including infrastructure, privacy, security and legal implications. Federal involvement and its impact on information technology regarding health data will be discussed. Students will study the roles and relationships, in the transformation of data into meaningful information, through research, vital statistics and epidemiology. Data quality, integrity, collection, access, and retention will also be emphasized. Note: This course was previously listed as HIT 111.

Prerequisite(s)/Corequisite(s):

HIT 1012 - Legal Aspects Health Records

2 Credits

Introduces the student to the legal system and defines the role of the healthcare professionals. Specific Federal and State laws are identified and discussed as they relate to release of medical information. Note: This course was previously listed as HIT 112.

Prerequisite(s)/Corequisite(s):

HIT 1022 - Workflow Fund of Healthcare

3 Credits

Introduces the fundamentals of healthcare workflow, process analysis, and redesign in various healthcare settings. Health information technology culture changes (IT/Clinicians) and project management, including HIT system selection, design, implementation, and support will also be covered. Electronic health record/practice management systems will be evaluated for quality and process improvement, clinical decision support, health information exchange, public health, and population health management in ambulatory and alternative care settings. Note: This course was previously listed as HIT 122.

Prerequisite(s)/Corequisite(s):

HIT 1075 - Special Topics

1-12 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as HIT 175.

HIT 1088 - Health Information Practicum I

2 Credits

Provides a directed clinical experience which focuses on the practice of skills related to the application of legal principles, record analysis and abstraction and record retention and retrieval. Note: This course was previously listed as HIT 188.

HIT 2020 - ICD Coding I

3 Credits

Introduces the ICD coding classification system and provides a basic understanding of ICD structure, conventions and principles utilized in coded assignment. The student will be introduced to the official coding guidelines. They will apply knowledge of anatomy, physiology, pathophysiology and pharmacology in the assignment of diagnostic and procedure codes. Note: This course was previously listed as HIT 220.

Prerequisite(s): BIO 1006, HPR 1032, HPR 1040

HIT 2021 - ICD Coding II

2 Credits

Focus on the intermediate application of ICD structure, conventions and principles utilized to code case scenarios and complex diagnostic and procedural statements. The student will utilize advance application of coding and reporting standards as they apply to coding. Note: This course was previously listed as HIT 221.

HIT 2022 - Quality Management

3 Credits

Introduces the student to the basic concepts of quality management in the healthcare environment. Requirements by regulatory agencies regarding quality documentation, utilization and risk management are discussed. Data collection, verification, analysis, descriptive statistics and presentation techniques will be studied. The course emphasizes the ongoing use of objective data and feedback to improve processes, systems, and patient outcomes. Analysis of documentation for various purposes is also covered. Note: This course was previously listed as HIT 222.

HIT 2025 - Health Information Management

3 Credits

Concentrates on the principles of management as they relate to the administration of the health information management department as part of a health care organization. Note: This course was previously listed as HIT 225.

Prerequisite(s)/Corequisite(s):

HIT 2031 - ICD Coding III

5 Credits

Provides an advanced study of ICD coding conventions and principles. DRG and case mix logic along with regulations regarding their use in conjunction with optimization and compliance issues will be discussed. CPT/HCPCS in both the hospital-based outpatient and physician office settings will be studied. Note: This course was previously listed as HIT 231.

HIT 2041 - CPT Coding Basic Principles

3 Credits

Provides the student with skill sets to apply the current procedural terminology (CPT) and HCPCS code set principles and guidelines for application in reporting/communicating information and data about clinical services provided to patients by healthcare providers. Includes understanding what the CPT nomenclature is, how and why it is used, and guidelines

for each code category and how it is applied to represent services within each code category. Note: This course was previously listed as HIT 241.

HIT 2075 - Special Topics

1-6 Variable Credits

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

HIT 2089 - HIT Capstone

2 Credits

Offers student a comprehensive review of all HIT courses in preparation to take national exam, utilizing Study Guides and Mock Exams; offers student a 40 hour professional practicum experience (PPE) to apply classroom knowledge in a clinical setting, practice professionalism, gain insight into the functions of the department, understand the relationship of health records to the facility as a whole, demonstrate the ability to act independently, complete assigned projects and demonstrate a good understanding of health information management concepts. Note: This course was previously listed as HIT 289.

Health Professions

HPR 1008 - Law and Ethics for Health Professions

2 Credits

Introduces students 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. Note: This course was previously listed as HPR 106.

HPR 1010 - Dietary Nutrition

1 Credit

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. Note: This course was previously listed as HPR 108.

HPR 1011 - CPR for Professionals

.5 Credit

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. Note: This course was previously listed as HPR 102.

HPR 1017 - Anatomical Kinesiology

3 Credits

Studies the Anatomical Basis of Human Movement. Note: This course was previously listed as HPR 117.

HPR 1020 - Phlebotomy

4 Credits

Covers the duties associated with the practice of venipuncture, capillary puncture, and special collection procedures. This

course provides experience with quality control, infection control, safety procedures, as well as laboratory computer systems. Successful completion of this course, with an adequate number of blood draws, will constitute eligibility for application for a National Phlebotomy Registry Examination. Note: This course was previously listed as HPR 112.

HPR 1032 - Disease Process and Treatment

5 Credits

Covers disease processes and drug therapy used to treat commonly found pathological conditions. Normal anatomy and physiology of each body system is reviewed. Conditions that disrupt homeostasis are examined. Conditions considered are both acquired and congenital. Diagnostic methods, management, treatment modalities and prognosis are discussed. Classifications of drugs are introduced. A general understanding of the actions; absorption, metabolism and excretion; and reasons for use of various groups of pharmacologic agents are introduced.

HPR 1038 - Introduction to Medical Terminology

1 Credit

Introduces the structure of medical terms with emphasis on using and combining the most common prefixes, roots, and suffixes. This course includes terms related to major body systems and provides accepted pronunciation of terms. Note: This course was previously listed as HPR 138.

HPR 1040 - Comprehensive Medical Terminology

3 Credits

Provides an in-depth study of the structure of medical terms with emphasis on using and combining common prefixes, roots and suffixes. This course includes terms related to major body systems, oncology, and psychiatry as well as clinical laboratory and diagnostic procedures, and imaging, and provides accepted pronunciation of terms and relative use in the healthcare setting. Note: This course was previously listed as HPR 144.

HPR 1050 - Basic EKG Interpretation

2 Credits

Provides instruction for interpretation of EKG strips, anatomy and physiology of the heart, using three-lead monitoring as a guide. Twelve-lead EKG may be discussed. Note: This course was previously listed as HPR 190.

HPR 1058 - Role of Death and Bereavement In Society

3 Credits

Examines death from the perspectives of the dying individual, the bereaved and the caregivers. The course will focus on sociological, cultural, spiritual, development and psychological aspects of dying and bereavement. It will also include study of various groups and their relationships to death and disposition, funerals and other rites. Note: This course was previously listed as HPR 240.

HPR 1080 - Internship

3 Credits

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. Note: This course was previously listed as HPR 180.

Corequisite(s): HPR 1020

HPR 2050 - Advanced EKG Interpretations

2 Credits

Focuses on each wave and interval of the complex, the axis, and the 12-lead presentation of some rhythm disturbances. Note: This course was previously listed as HPR 200.

HPR 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as HPR 275.

HPR 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as HPR 285.

Required: Instructor's permission

Heating and Air Conditioning

HVA 2059 - Commercial HVAC System Design

4 Credits

Introduces the basics of designing HVAC systems as it relates to commercial buildings. Studying the areas of basic scientific principles relating to HVAC system designs, indoor air quality and comfort, heating and cooling load calculations and HVAC duct system design. Provides a foundation of knowledge related to commercial HVAC systems including what the HVAC designer thinks as they make system, zoning, equipment, and automatic control choices.

History

HIS 1110 - the World: Antiquity-1500: GT-HI1

3 Credits

Explores trends within events, peoples, groups, ideas, and institutions in World History from antiquity to 1500. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This course focuses on common cultural trends. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 111.

Prerequisite(s): College readiness in English

HIS 1120 - the World: 1500-Present: GT-HI1

3 Credits

Explores trends within events, peoples, groups, ideas, and institutions in World History since 1500 as well as on common cultural trends. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through the perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 112.

Prerequisite(s): College Readiness in English

HIS 1210 - US History to Reconstruction: GT-HI1

3 Credits

Explores trends within events, peoples--including Native American--groups, ideas, and institutions in North America and the United States to Reconstruction. This class focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 121.

Prerequisite(s): College Readiness in English

HIS 1220 - US History since the Civil War: GT-HI1

3 Credits

Explores trends within events, peoples, groups, ideas, and institutions since the American Civil War. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 122.

Prerequisite(s): College Readiness in English

HIS 1310 - Western Civilization Antiquity-1650: GT-HI1

3 Credits

Explores trends within events, peoples, groups, ideas, and institutions in Western Civilization from antiquity to 1650. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 101.

Prerequisite(s): College readiness in English

HIS 1320 - Western Civilization: 1650-Present: GT-HI1

3 Credits

Explores trends within events, peoples, groups, ideas, and institutions in Western civilization since 1650. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 102.

Prerequisite(s): College readiness in English

HIS 2005 - Women in World History: GT-HI1

3 Credits

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 focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 205.

Prerequisite(s): College Readiness in English

HIS 2015 - 20th Century World History: GT-HI1

3 Credits

Investigates the major political, social, and economic developments, international relationships, scientific breakthroughs, and cultural trends that have shaped the various global regions, empires, and nation-states since the late nineteenth century. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 247.

Prerequisite(s): College Readiness in English

HIS 2085 - Independent Study

1-6 Variable Credits

Incorporates structured and guided, individualized research that is organized and tailored around the interests and needs of the individual student. Note: This course was previously listed as HIS 285.

Prerequisite(s): College Readiness in English

HIS 2110 - African American History: GT-HI1

3 Credits

Explores the experiences and contributions of African Americans from the colonial period to the present through 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 focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 250.

Prerequisite(s): College Readiness in English

HIS 2115 - American Indian History GT-HI1

3 Credits

Analyzes historical and socio-cultural change for Native Americans from pre-colonial America to the present, emphasizing those processes and relations with non-Native Americans which have contributed to current conditions. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 208.

Prerequisite(s): College Readiness in English

HIS 2120 - US Foreign Relations History: GT-HI1

3 Credits

Surveys 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. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through the perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category.

Prerequisite(s): College Readiness in English

HIS 2135 - Colorado History: GT-HI1

3 Credits

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, mountain men, the gold rush, railroad builders, the cattlemen and farmers, the silver boom, the tourists, and the modern state. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 225.

Prerequisite(s): College Readiness in English

HIS 2140 - Civil War Era in American History GT-HI1

3 Credits

Explores the causes, course, and consequences of the American Civil War. Students will examine four broad themes: union and disunion; slavery, race, and emancipation; the experience of modern war for individuals and society; and the challenges of Reconstruction. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 203.

Prerequisite(s): College Readiness in English

HIS 2145 - US History since 1945: GT-HI1

3 Credits

Examines the major political, economic, social, and cultural developments that have shaped modern America from 1945 to the present. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 236.

Prerequisite(s): College Readiness in English

HIS 2200 - History of Latin America: GT-HI1

3 Credits

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 focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 244.

Prerequisite(s): College Readiness in English

HIS 2300 - The Middle Ages GT-HI1

3 Credits

Examines 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 focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a statewide Guaranteed Transfer course in the GT-HI1 category. Note: This course was previously listed as HIS 255.

Prerequisite(s): College Readiness in English

Honors

HNR 1000 - Honors Seminar:

1 Credit

Develops skills in an interdisciplinary manner, including: self-efficacy, college success, interdisciplinary connections, critical and creative thinking. A primary goal is to develop a sense of community within the class. This course increases awareness of issues relating to diversity and leadership, and explores techniques for successful honors academic performance. Note: This course was previously listed as HNR 100.

HNR 2089 - Capstone: Honors

1 Credit

Provides a demonstrated culmination of learning within a given program of study. Note: This course was previously listed as HNR 289.

Humanities

HUM 1003 - Introduction to Film Art GT: AH2

3 Credits

Introduces film terminology and narrative techniques to explore how film conveys meaning and to study the relationships among film form, content, and audience reception. This course emphasizes active viewing, discussion, and critical analysis of films from different cultures and eras. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as HUM 103.

HUM 1015 - World Mythology: GT-AH2

3 Credits

Introduces an interdisciplinary approach to world mythology. The course illustrates and connects common themes in mythology to world religion, philosophy, art, literature, music, and contemporary culture using various interpretive methods. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as HUM 115.

HUM 1018 - Religion in American Culture

3 Credits

Investigates the various ways in which religion and American culture interact. It begins with the religion of Native Americans, which existed in a pre-modern society where religion went unchallenged as the preeminent organizing principle, to our post-modern era, where religion competes with a multiplicity of other belief systems in a complex societal matrix. This course pays close attention to the sundry ways in which religion and American culture interface. Note: This course was previously listed as HUM 118.

HUM 1020 - the Cultural History of Rock and Roll

3 Credits

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. Note: This course was previously listed as HUM 220.

HUM 1021 - Humanities: Early Civilization: GT-AH2

3 Credits

Introduces the interdisciplinary study of ideas that have defined cultures through a survey of the visual, performing, and literary arts, emphasizing connections among diverse cultures, including European and non-European, from the prehistoric to the early medieval era. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as HUM 121.

HUM 1022 - Humanities: Medieval -- Modern: GT-AH2

3 Credits

Introduces the interdisciplinary study of ideas that have defined cultures through a survey of the visual, performing, and literary arts, emphasizing connections among global cultures from the medieval to the early modern era. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as HUM 122.

HUM 1023 - Humanities: The Modern World: GT-AH2

3 Credits

Introduces the interdisciplinary study of ideas that have defined cultures through a survey of the visual, performing, and literary arts, emphasizing connections among global cultures from the European Enlightenment to the postmodern era. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as HUM123.

HUM 1064 - American Cinema

3 Credits

Introduces film studies and surveys the American film industry as an art form, as an industry, and as a system of representation and communication. This course explores how Hollywood films work technically, aesthetically, and culturally to re-enforce and challenge America's national self-image. Note: This course was previously listed as HUM 164.

HUM 2001 - Twentieth Century American Art

3 Credits

Focuses on elements common to the arts of film, painting, architecture, literature and music of 20th century United States. Students study the effects of the economy, business and industry and traditional North American values and dreams on the arts. Note: This course was previously listed as HUM 201.

HUM 2011 - Cultural Diversity in the Humanities

3 Credits

Introduces students to the various aspects of social and cultural diversity. Promotes development of critical thought and growth of multicultural, multisocial and multilingual understanding. Note: This course was previously listed as HUM 211.

HUM 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as HUM 275.

HUM 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as HUM 285.

Required: Instructor's permission

Human Performance and Exercise

HPE 2031 - Care and Prevention of Athletic Injuries

3 Credits

Focuses on techniques in prevention, care and basic rehabilitation of athletic injury. (Formerly PER 232) Note: This course was previously listed as HPE 231.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

Industrial Maintenance

The fundamentals of machine operations commonly utilized in the process and energy industry.

IMA 1500 - Industrial Rotating Equipment

3 credits

Explains the theory, operation, and maintenance of rotating equipment found in industrial environments such as gears, bearings, pumps, and compressors. Mechanical power transmission systems including direct coupling, belt drives, and chain drives are studied. Alignment techniques are practiced and related to the impact on machine vibration and equipment failures. The principals involved in the operation of centrifugal and positive displacement pumps and compressors will be discussed along with the function of connected components. Note: This course was previously listed as IMA 120.

Prerequisite(s): PHY 1105

Interior Design

IND 1075 - Special Topics: Study Abroad

1-6 Credits

Provides students an in-depth exploration of Italian architecture, which forms a basis of design styles and motifs used in interior design development. On site examination of different eras of Italian architecture in several Italian cities will deepen the students' understanding of the Italian

influence on today's interior design climate. Note: This course was previously listed as IND 175.

IND 1101 - Introduction to Interior Design

3 Credits

Introduces the design process, fundamental skills, principles and theories related to the interior environment. The course will have a focus on spatial awareness, color, environmental issues and the elements of design while having the student become familiar with the creative process and establishing a basic understanding for design aesthetics. The course provides a foundation for future coursework.

IND 1102 - History of Interior Design

3 Credits

Offers a study of interiors and furnishings from the medieval period to the Revival styles of the mid-eighteenth century to the contemporary classics used in modern interiors today. Study of interior and exterior architectural elements, furniture, design motifs and ornamentation, fine arts and construction methods as it relates to the cultural, political, social, technological and economic conditions of the times. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 107.

IND 1105 - Technical Drafting for Interiors

3 Credits

Covers essential tools, techniques, and industry standards for architectural drafting, digital sketching, and interpreting construction drawings. Introduces industry-standard design software and digital workflows in interior and architectural design practice.

IND 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as IND 275,

IND 2078 - Special Topics

1-6 Variable Credits

Provides students with an experiential learning opportunity. Note: This course was previously listed as IND 278.

Prerequisite(s): IND 2207

IND 2080 - Internship

3 Credits

Provides work experience in a business or industry; 45 fieldwork hours per credit hour. Note: This course was previously listed as IND 280.

Prerequisite(s): IND 2203 or IND 2501

IND 2088 - Practicum

1 Credit

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as IND 288.

Prerequisite(s): IND 2300, IND 2302, IND 2208, IND 2209, IND 2501

IND 2089 - Capstone: Advanced Design

3 Credits

Provides a demonstrated culmination of learning within a given program of study. Note: This course was previously listed as IND 289.

Prerequisite(s): IND 2088, IND 2211, IND 2703

IND 2200 - Drafting for Interiors

4 Credits

Introduces drafting tools and techniques used in Architectural Drawing. Students will also be introduced to reading and finding information in a set of Construction Drawings along with some construction terminology. They will also learn about basic wood frame construction techniques. At the conclusion of the course students will be able to draw, dimension, and note Floor Plans, Elevations, and Building Sections. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 111.

Required: Attend an Interior Design Orientation

IND 2203 - Space Planning

3 Credits

Teaches the principles and factors of space planning and practices the space planning process through residential and light commercial applications. Students are introduced to interior architecture, human factors, code requirements and functional space. Use of bubble diagrams, two and three dimensional design fundamentals and freehand ink presentation techniques are also included to communicate design solutions. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 114.

Prerequisite(s): CAD 1105, IND 1100 or IND 1101, and IND 1105 or IND 2200

IND 2204 - Estimating Interior Materials

3 Credits

Develops skills when estimating materials and costs for interior finishes including paint, carpet, wallcovering, and fabrics. Emphasis is on specification, documentation, and details. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 116.

Prerequisite(s): CAD 1105 and IND 1100 or IND 1101

IND 2208 - Residential Design

4 Credits

Development of a residential studio project, with an emphasis on universal design and sustainability, by implementing the design process. Requires research and application of residential design solutions through space planning, furniture & finish selections and specifications, estimating quantities and costs and understanding budget. Includes development of construction documentation and professional presentation techniques. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 151.

Prerequisite(s): CAD 1105, CAD 1110, IND 2203, IND 2204

IND 2209 - Commercial Design I

2 Credits

Introduces commercial design space planning and procedures for a variety of commercial project types. Emphasis will be placed on conceptual design, the programming and schematic design process, space planning and design documentation. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 152.

Prerequisite(s): CAD 1105, CAD 1110, IND 2203, IND 2204

IND 2211 - Commercial Design II

4 Credits

Development of a commercial studio project, while applying knowledge of code and ADA requirements, building systems, finish and furniture specifications and sustainability. Requires research and application of commercial design solutions through the design process. Includes development of construction documentation and professional presentation techniques. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 201.

Prerequisite(s): IND 2209 or CAD 2227

IND 2300 - Interior Construction

4 Credits

Introduces the student to interior building systems and assemblies, construction documents and details, and codes applicable to interior architecture. Student will apply this knowledge to various graphic projects and is encouraged to produce projects using the computer and CAD software. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 211.

Prerequisite(s): CAD 1105 or CAD 2220, IND 2203

IND 2302 - Lighting Design

3 Credits

Teaches and applies basic knowledge of interior lighting technology and design. Content includes lamp classifications, color rendition, how lighting sources effect perception of space, how to compute and control proper lighting levels, and how to communicate design information by means of a reflected ceiling plan and luminaire schedule focusing on both residential and commercial interiors. This course must be completed with a grade of "C" or better. Note: This course was previously listed as IND 225.

Prerequisite(s): CAD 1105 or CAD 2220, CAD 1110, IND 2203

IND 2501 - Kitchen and Bath Design

4 Credits

Provides the specialized design process and documentation requirements of kitchen and bath design and applies NKBA guidelines. Students becomes familiar with trade resources supporting the design field. At least two portfolio projects are produced. Students will be encouraged to produce project documents using a variety of computer software applications. This course must be completed with a grade of "C" or

better. Note: This course was previously listed as IND 200.

Prerequisite(s): IND 1100 or IND 1101, IND 1105 or IND 2200, CAD 1105 and CAD 1110

IND 2502 - Advanced Kitchen & Bath Design

4 Credits

Continues Kitchen and Bath Design instruction while participating in the NKBA Student Design Competition for 1 bathroom and 1 kitchen remodel. Students will use NKBA Graphic Standards and Planning Guidelines to facilitate 2 sets of drawings, 2 materials boards, and 1 estimate and contract for the projects. This course must be completed with a grade of "C" or better. This course is for the Kitchen and Bath Certificate ONLY. Note: This course was previously listed as IND 261.

Prerequisite(s): IND 2501

IND 2702 - IND Portfolio Presentations

3 Credits

Prepare for the industry by refining presentation skills and completing a portfolio for employment. Students learn to manipulate software renderings, hand-drafted renderings, model building, interior finish presentation boards to develop a digital and hard-copy portfolio for selling design through presentation. The students will learn various techniques for time management and time-saving skills for graphic communication. Note: This course was previously listed as IND 213.

Prerequisite(s): IND 2208, IND 2209, IND 2302, and IND 2501

IND 2703 - Sustainable Design

3 Credits

Creates an awareness and understanding of ecological issues while emphasizing the use of environmentally friendly materials and resources that do not compromise the effectiveness of the design. This course also investigates the practice of design to reduce the effects on the environment using renewable materials in the design and building for both residential and commercial property. Its emphases are to learn conserve resources and to reduce the negative impact on the environment. Note: This course was previously listed as IND 231.

Prerequisite(s): IND 2208

Investments

INV 1150 - Investments/Stocks and Bonds

3 Credits

Examines a broad range of investment opportunities. The curriculum includes information about preferred and common stocks, government and corporate bonds, mutual funds and derivatives. It examines the investment process using brokers, discount brokers, on-line trading and investment bankers. Investment decisions are examined such as how to price stocks and bonds and understand the concept of time value of money, transaction costs, and how to build a diversified investment portfolio.

Prerequisite(s): College Readiness in Quantitative Literacy Math

Japanese

JPN 1011 - Japanese Language I

5 Credits

Introduces a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the Japanese language. Note: The order of the topics and methodology will vary according to individual texts and Instructors. Note: This course was previously listed as JPN 111.

JPN 1012 - Japanese Language II

5 Credits

Continues Foreign Language I in the development of functional proficiency in listening, speaking, reading and writing the Japanese language. Note: The order of the topics and the methodology will vary according to individual texts and instructors. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as JPN 112.

Prerequisite(s): JPN 1011

JPN 2011 - Japanese Language III: GT-AH4

3 Credits

Continues the development of increased functional proficiency at the intermediate level in speaking, aural comprehension, reading, writing, and cultural competency in the Japanese language. This course is conducted predominantly in Japanese. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as JPN 211.

Prerequisite(s): JPN 1012

JPN 2012 - Japanese Language IV: GT-AH4

3 Credits

Continues the development of increased functional proficiency at intermediate mid level in speaking, aural comprehension, reading, writing, and cultural competency in the Japanese language. This course is conducted predominantly in Japanese. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as JPN 212.

Prerequisite(s): JPN 2011

JPN 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as JPN 275.

JPN 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as JPN 285.

Required: Instructor's permission

Journalism

JOU 1005 - Introduction to Mass Media: GT-SS3

3 Credits

Places the mass media in a technological, historical, and cultural perspective, considering the validity, integrity, and influence of the evolving media in a democracy. This course is a Statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as JOU 105.

JOU 1006 - Media News and Reporting

3 Credits

Introduces newswriting, reporting and interviewing with an emphasis on clarity, accuracy, timeliness and fairness. Note: This course was previously listed as JOU 106.

JOU 1021 - Photojournalism

3 Credits

Introduces visual storytelling through still imagery and may include audio, video, and other multimedia in the community. The course covers camera and equipment operation, editing, subject observation, media laws and policies, and professional ethics and standards. Note: This course was previously listed as JOU 121.

JOU 1080 - Internship

1 Credit

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. Note: This course was previously listed as JOU 180.

JOU 2015 - Publications Production and Design

3 Credits

Provides for students participation in the planning, writing, design and production processes of a non-newspaper publication. Note: This course was previously listed as JOU 215.

JOU 2025 - New Media

3 Credits

Explores techniques and approaches in the latest delivery methods for new media journalism, ethics, technological advances, and media literacy. Note: This course was previously listed as JOU 225.

JOU 2031 - Introduction to Public Relations

3 Credits

Focuses on public relations and its role for individuals, non-profit organizations, businesses, and governments. This course covers research methodologies, principles, and practices necessary to become a public relations practitioner. Note: This course was previously listed as JOU 231.

JOU 2041 - Feature and Magazine Writing

3 Credits

Focuses on trade, consumer, and technical publications, manuscript development with emphasis on nonfiction, submission techniques, and trends affecting the marketing of manuscripts both in print and digital media. Note: This course was previously listed as JOU 241.

JOU 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as JOU 275.

JOU 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as JOU 285.

Required: Instructor's permission

Law Enforcement Academy

LEA 1001 - Basic Police Academy I

6 Credits

Conforms to POST standards and Colorado state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a peace officer. Emphasis will be on simulating actual situations utilizing both a lecture and laboratory mode of learning. Note: This course was previously listed as LEA 101.

Required: Permission of Academy Director

LEA 1002 - Basic Police Academy II

12 Credits

Conforms to POST standards and state certification requirements as well as the basic skills and knowledge to perform the entry level duties of a peace officer. Emphasis will be on simulating actual situations utilizing a lecture and laboratory mode of learning. Note: This course was previously listed as LEA 102.

Required: Permission of Academy Director

LEA 1003 - Basic Law Enforcement Academy III

2 Credits

Enhances the standards established by the Colorado P.O.S.T. Board and state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a Police Officer. Emphasis will be on expanding the Colorado P.O.S.T. curriculum to create a unique learning experience. Note: This course was previously listed as LEA 103.

Required: Permission of Academy Director

LEA 1004 - Basic Law Enforcement Academy IV

1 Credit

Enhances the standards established by the Colorado P.O.S.T. Board and state certification requirements as well as the basic skills and knowledge necessary to perform entry level duties of a Police

Officer. Emphasis will be on expanding the Colorado P.O.S.T. curriculum to create a unique learning experience. Note: This course was previously listed as LEA 104.

Required: Permission of Academy Director

LEA 1005 - Basic Law

8 Credits

Conforms to the Colorado POST standards and state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a peace officer. Emphasis will be on United States Constitution, arrest, search and seizure, interrogation and confessions, rules of evidence, Colorado Criminal Code, Colorado Traffic Code, Colorado Children's Code, Liquor Code and controlled substances. Note: This course was previously listed as LEA 105.

Required: Permission of Academy Director

LEA 1006 - Arrest Control Techniques

3 Credits

Conforms to POST (Peace Officer Standards and Training) standards and Colorado state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a peace office. Exploration of the skills, knowledge and abilities necessary to effectively maintain control of a suspect when making an arrest. Explains the continuum of force and de-escalation of force. Note: This course was previously listed as LEA 106.

LEA 1007 - Law Enforcement Driving

3 Credits

Covers the skills, knowledge and abilities required for operation of a law enforcement vehicle. Emphasizes defensive driving. Enables students to demonstrate skills by driving a vehicle under simulated conditions. Note: This course was previously listed as LEA 107.

LEA 1008 - Firearms

3 Credits

Conforms to POST (Peace Officer Standards and Training) standards and Colorado state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a peace officer. Discusses the skills, knowledge and abilities necessary to safely use police firearms. Students will demonstrate skills by firing weapons on a firing range. The student will demonstrate basic safety techniques and will be able to explain the firearms role within the continuum of force. Note: This course was previously listed as LEA 108.

Literature

Recommended: College-level reading ability.

LIT 1015 - Introduction to Literature: GT-AH2

3 Credits

Introduces fiction, poetry, and drama. This course emphasizes active and responsive reading. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 115.

LIT 2001 - World Literature to 1600: GT-AH2

3 Credits

Examines significant writings in world literature from the ancients to the seventeenth century. It emphasizes active reading and understanding of the works and their cultural backgrounds.~~This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 201.

LIT 2002 - World Literature After 1600: GT-AH2

3 Credits

Examines significant writings in world literature from the seventeenth century to the present. It emphasizes active reading and understanding of the works and their cultural backgrounds.~~This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 202.

LIT 2005 - Race, Ethnicity, and Culture in U.S. Literature: GT-AH2

3 Credits

Examines the cultural, historical, and social contexts impacting multiple ethnic American identities through critical reading and analysis. This course focuses on significant works by authors who identify as African American, Native American, Latino/a, Asian American, and other ethnicities. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 205.

LIT 2011 - American Literature to the Civil War: GT-AH2

3 Credits

Examines American literary works from pre-European arrival on the continent up to the Civil War, including works from diverse people that contributed to American literature. This course also explores historical and social contexts within various genres. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 211.

LIT 2012 - American Literature after the Civil War: GT-AH2

3 Credits

Examines American literary works from 1865 to the present, distinguishing among literary themes, genres, and schools of thought that illustrate historical and social contexts across a multicultural spectrum. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 212.

LIT 2020 - Jewish-American Literature

3 Credits

Surveys some of the major achievements in literature and film by American Jews in late-nineteenth through the twentieth century. We will proceed chronologically, focusing on the fiction of the immigrant experience, the politicized literature of the 1930 and the 1940s, the literature of the post-WWII era and its struggle to fashion an adequate response to the Holocaust, and on questions surrounding assimilation, acculturation, and identity politics. Note:

This course was previously listed as LIT 220.

LIT 2021 - British Literature to 1770: GT-AH2

3 Credits

Examines major works of British literature from the Anglo-Saxon period through the 17th century. Explores the historical, political, and social contexts of the works as well as the major themes which reflect and/or critique the social assumptions and values of the times. Besides fostering an understanding of works essential to western culture, the course will examine how these works are still influential and relevant to contemporary thought and culture. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 221.

LIT 2022 - British Literature Since 1770: GT-AH2

3 Credits

Examines major works of British literature from the 18th century to the present. Explores the historical, political, and social contexts of the works and the major themes authors used to reflect and critique the social assumptions of their times. Besides fostering an understanding of works essential to western culture, the course examines how these works are still influential and relevant to contemporary thought and culture. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 222.

LIT 2025 - Introduction to Shakespeare: GT-AH2

3 Credits

Explores works by William Shakespeare, focusing on a careful reading of these works as well as an exploration of pertinent contextual and historical information. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 225.

LIT 2030 - Comics/Graphic Novels

3 Credits

Introduces visual literature in the form of the Graphic Novel or Comic Art. Diverse theoretical approaches will be used to evaluate and analyze texts. Note: This course was previously listed as LIT 230.

LIT 2035 - Science Fiction

3 Credits

Examines the techniques and issues of science fiction through a close reading a variety of writers in the genre. Note: This course was previously listed as LIT 235.

LIT 2040 - Queer Literature: GT-AH2

3 Credits

Provides an overview of how literature has reflected and impacted social perceptions of queer identity, from early civilizations to contemporary society.

LIT 2046 - Literature of Women: GT-AH2

3 Credits

Examines the techniques and themes in

literature of various genres by and about women by considering what it means for women to be in literature, as characters and also as authors. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 246.

LIT 2055 - Children's Literature: GT-AH2

3 Credits

Examines the criteria for selecting appropriate literature for children. Explores literature through a variety of genres, age levels, values taught through literature, and literary and artistic qualities of various texts. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 255.

LIT 2057 - Literature and Film

3 Credits

Examines the relationship between literature and motion pictures, emphasizing the technique and interpretive function of filmmakers. Note: This course was previously listed as LIT 257.

LIT 2058 - LatinX Literature: GT-AH2

3 Credits

Examines the cultural, historical, and social contexts impacting LatinX identities through critical reading and analysis. This course focuses on significant works, including poetry, drama, and/or fiction, by LatinX authors.

LIT 2059 - Survey of African American Literature: GTAH2

3 Credits

Examines African American literature from 1750 to the present. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 259.

LIT 2067 - The Bible as Literature

3 Credits

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. Note: This course was previously listed as LIT 267.

LIT 2068 - Celtic Literature: GT-AH2

3 Credits

Exposes the student to Celtic literature. The course examines significant writings in Celtic literature from the ancients through to the twenty-first century. The course emphasizes the careful reading and understanding of the works of poetry, fiction, and drama as well as their cultural backgrounds. This is a statewide Guaranteed Transfer course in the GT-AH2 category. Note: This course was previously listed as LIT 268.

LIT 2069 - Popular Literature and Culture

3 Credits

Explores special interests in literature, such as Detective Fiction and Science Fiction. Note: This course was previously listed as LIT 269.

LIT 2075 - Special Topics

1-6 Variable Credits

Provides students with an opportunity to pursue in-depth exploration of a special topic of interest. Note: This course was previously listed as LIT 275.

LIT 2085 - Independent Study

1-6 Variable Credits

Explores particular authors, topics, themes in depth, such as Ibsen, Faulkner or Twain, or great fiction of the nineteenth century. Note: This course was previously listed as LIT 285.

Required: Instructor's permission

Management

MAN 1016 - Principles of Supervision

3 Credits

Defines supervision, examines the functions of a supervisor, explains the necessary skills for successful supervision, relates supervision with human resources, and discusses supervisory challenges. Note: This course was previously listed as MAN 116.

MAN 1017 - Time Management

1 Credit

Provides a clear sense of purpose for the following: structured goals, overcome barriers, leverage practical strategies, tools, and techniques to develop and implement an effective time management framework. Note: This course was previously listed as MAN 117.

MAN 1028 - Human Relations in Organizations

3 Credits

Introduces interpersonal relations most directly linked to attainment of organizational and individual goals in the business world. Other factors include motivation, career development, and conflict resolution. It explores the importance of effective communication in organizations. Addresses organizational issues such as employee motivation and customer complaints as related to product or service defects. Note: This course was previously listed as MAN 128.

MAN 2000 - Human Resource Management I

3 Credits

Provides an overview of the contemporary issues, theories, and principles used to effectively manage human resources. Topics covered include job analysis and design, talent acquisition and retention, planning and recruiting human resources, selecting employees, job placement, employee training and performance management, selecting employees, compensation and benefits, and retaining

employees. Note: This course was previously listed as MAN 200.

MAN 2001 - Human Resource Management II

3 Credits

Offers a strategic discussion of concepts of human resources utilizing practical application and theory. Emphasizes human resource trends, equal opportunity and safety, workforce training and development, appraising and improving performance, labor relations, legal and global issues in human resources. Note: This course was previously listed as MAN 201.

MAN 2012 - Negotiation and Conflict Resolution

3 Credits

Presents proper techniques in negotiation and conflict resolution. Key practices that determine successful negotiation are explored. This course covers principles of conflict resolution including business policies, accepted business practices contracts, labor union contracts, pay raises and starting salaries. Note: This course was previously listed as MAN 212.

MAN 2016 - Small Business Management

3 Credits

Examines the elements necessary for the successful formation of a new small business and to enhance the skills of those already involved in the operation of a small business. This course includes the development of a complete small business plan. Note: This course was previously listed as MAN 216.

MAN 2024 - Leadership

3 Credits

Focuses on the leadership skills for contemporary organizations. Covers development and communication a shared vision to motivate and empower employees to manage conflict, to negotiate, and to develop teams. Note: This course was previously listed as MAN 224.

MAN 2025 - Managerial Finance

3 Credits

Examines the concepts and techniques used to analyze financial accounting information for managerial planning, decision-making, and control. Additionally, the course discusses decision-making relating to the areas of budgets, forecasts, cost volume production, Return on Investment (ROI) and financial statements. Note: This course was previously listed as MAN 225.

MAN 2026 - Principles of Management

3 Credits

Provides an overview of the principles of management. Emphasis is on the primary functions of planning, organizing, staffing, leading and controlling with a balance between the behavioral and operational approaches. Note: This course was previously listed as MAN 226.

MAN 2041 - Project Management in Organizations

3 Credits

Investigates the concepts and applicability

of project management within organizations. It examines the unique nature of the project management structure including its emphasis on integrated decision making throughout a lifecycle of a product from the planning, implementing, monitoring, and controlling phases. Emphasis is on the processes of initiating, planning, executing, controlling, and closing activities of project management. Note: This course was previously listed as MAN 241.

MAN 2043 - Project Management in Action

3 Credits

Introduces major activities and tools in Project Management related to resources, risk and quality. There is a heavy focus to provide how to manage the human element of project management. Specific Project Management tools and methodologies are introduced and used. Note: This course was previously listed as MAN 243.

MAN 3030 - Contemporary Management

3 Credits

Provides a broad overview of current organizational management principles, techniques, and concepts needed for managerial analysis and decision-making related to planning, organizing, leading, and controlling of organizational resources. This course also explores the evolving nature and roles of managers and leaders.

MAN 3050 - Innovation and Change Management

3 Credits

This course is designed to provide essential skills required to navigate the dynamic and ever-evolving business environment. This course explores and applies the concepts, theories, and practical tools necessary to understand and drive organizational change, fostering adaptability and innovation within an organization.

MAN 3060 - Operations Management

3 Credits

Examines the planning, organization, and measurement of operations common within successful business production and service. This course emphasizes product design, supply chain management, quality control, inventory management, and planning.

MAN 4030 - Organizational Leadership

3 Credits

Explores leadership development through foundational theories, along with development and applications of effective leadership principles and skills. This course covers motivation, group dynamics, conflict resolution, power/politics, communication, and organizational change and development. This course emphasizes a personal leadership development plan toward becoming an effective leader in the organization.

MAN 4040 - Strategic Management

3 Credits

The course applies strategic thinking and developing and implementing strategies for businesses and combines it with a global perspective in developing and implementing broad global strategies. This course combines fundamentals from accounting,

marketing, finance and management, marketing, operations, and management information systems to analyze information and make strategic decisions and plans.

Prerequisite(s): FIN 3020 - Applied Finance, MAR 3040 - Business Practical Marketing, MAN 3030 - Contemporary Management

MAN 4060 - Human Resources and Supervisory Management

3 Credits

This comprehensive course in Human Resources and Supervisory Management is designed to equip students with the knowledge and skills required to effectively manage personnel, foster a productive work environment, and handle various human resource functions within an organization. The course explores and students will apply the key principles, best practices, and legal aspects of Human Resources and Supervisory Management.

Manufacturing Technologies

MTE 1200 - Manufacturing Processes

3 Credits

Provides an overview of the different methods, tools, and machines which are used to manufacture industrial and consumer products.

MTE 1220 - Lean Manufacturing Practices and Processes

3 credits

Focuses on the study of the Toyota Production System (TPS).

Prerequisite(s): MAT 1140 or higher

Marketing

MAR 1006 - Marketing Your Image

3 Credits

Provides an understanding of marketing to prospective employers, clients, professional groups, and audiences of all types. The course emphasizes skills used to gain employment and skills used to achieve continued personal success. Note: This course was previously listed as MAR 106.

MAR 1011 - Principles of Sales

3 Credits

Addresses ethical sales techniques, the role of selling, and the marketing process. Areas of emphasis include behavioral considerations in the buying and selling process and sales techniques. Note: This course was previously listed as MAR 111.

MAR 1055 - Social Media for Business

3 Credits

Focuses on the use of social media as a business srategy and how to match strategy with the goals of the business. This course compares social media marketing with traditional marketing and explores online best practices to futher business goals. Note: This course was previously listed as MAR 155.

MAR 1060 - Customer Service

3 Credits

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. Note: This course was previously listed as MAR 160.

MAR 2002 - Event Marketing/Communications

3 Credits

Explores the importance and role of marketing, media and public relations in the event planning industry. This course covers marketing and communication tools such as social media, promotional events, networking, and blogs. The development of marketing plans will be discussed including targeted market research, communication tools, objectives, strategies, and implementation. Note: This course was previously listed as MAR 202.

MAR 2016 - Principles of Marketing

3 Credits

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. Note: This course was previously listed as MAR 216.

MAR 2020 - Principles of Advertising

3 Credits

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. Note: This course was previously listed as MAR 220.

MAR 2035 - Consumer Behavior

3 Credits

Explores the variables that affect consumer behavior in the marketplace and the implications of this knowledge for marketing decisions and strategies. Note: This course was previously listed as MAR 235.

MAR 2055 - Digital Marketing

3 Credits

Explores the digital marketing environment from both a consumer and business perspective. This course provides an overview of various online business models and delves into digital advertising and social media marketing techniques and technologies. This course applies research and strategic marketing techniques in the digital marketplace to improve customer relationship management. Note: This course was previously listed as MAR 255.

MAR 2660 - Marketing Analytics

3 Credits

Investigates marketing analytics through the optics of a marketing professional. The course focuses on the foundation of marketing analytics by demonstrating an understanding of data management, exploring data analysis and visualization, comparing and contrasting, developing, evaluating and interpretation of models, communicating results to colleagues, clients and executives, and integrating analytics into an organization within a marketing context. This course was previously listed as MAR 266.

MAR 3040 - Business Practical Marketing

3 Credits

Explores contemporary marketing environments, effective strategies and practices and common legal, ethical, and social issues within a variety of industries. This course emphasizes elements of the marketing mix, including product and service development and management, social media, e-marketing, pricing, channel management, and promotion.

MAR 4010 - Digital Marketing Analytics

3 Credits

This course applies practical application of the Internet and digital platforms for businesses. This course will develop skills in product marketing, sales, and analytics and explore diverse online business models, master digital advertising and social media marketing techniques, and utilize advanced analytics tools. The course emphasizes data-driven decision-making.

Prerequisite(s): MAR 3040 - Business Practical Marketing

Mathematics

MAT 0240 - Math for Liberal Arts Support

2 Credits

Supports skill development necessary for success within Math for Liberal Arts.

Corequisite(s): MAT 1240

MAT 0260 - Introduction to Statistics Support

2 Credits

Supports skill development necessary for success within Introduction to Statistics.

Corequisite(s): MAT 1260

MAT 0340 - College Algebra Support

2 Credits

Supports skill development necessary for success within College Algebra.

Corequisite(s): MAT 1340

MAT 1120 - Math for Clinical Calculations

3 Credits

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. Note: This course was previously listed as MAT 103.

Prerequisite(s): College Readiness in Career Math

MAT 1140 - Career Math

3 Credits

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. Note: This course was previously listed as MAT 107.

Prerequisite(s): College Readiness in Career Math

MAT 1150 - Technical Mathematics

4 Credits

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. Note: This course was previously listed as MAT 108.

Prerequisite(s): College Readiness in Career Math

MAT 1160 - Financial Mathematics

3 Credits

Covers the fundamentals of financial mathematics. Topics include pricing, taxes, insurance, interest, annuities, amortization, and investments. Note: This course was previously listed as MAT 112.

Prerequisite(s): College Readiness in Career Math

MAT 1220 - Integrated Math I: GT-MA1

3 Credits

Engages students in the concepts underlying elementary level mathematics. The course emphasizes critical thinking and applications. Topics include the structure of number systems, an analysis of numerical operations, set properties, numerical and geometric patterns, and a variety of problem solving skills. This is a statewide Guaranteed Transfer course in the GT-MA1 category. Note: Both semesters of MAT 1220 and MAT 1230 must be completed in order to receive GT credit. Note: This course was previously listed as MAT 155.

Prerequisite(s): College Readiness in Quantitative Literacy Math

MAT 1230 - Integrated Math II: GT-MA1

3 Credits

Engages students in the concepts underlying elementary level mathematics. The course emphasizes critical thinking and applications. Topics include probability, statistics, measurement, Euclidean geometry, and algebraic methods. This is a statewide Guaranteed Transfer course in the GT-MA1 category. Note: Both semesters of MAT 1220 and MAT 1230 must be completed in order to receive GT credit. Note: This course was previously listed as MAT 156.

Prerequisite(s): College Readiness in Quantitative LIteracy Math

MAT 1240 - Mathematics for Liberal Arts: GT-MA1

4 Credits

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. Note: This course was previously listed as MAT 120.

Prerequisite(s): College Readiness in Quantitative Literacy Math

MAT 1260 - Introduction to Statistics: GT-MA1

3 Credits

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. Note: This course was previously listed as MAT 135.

Prerequisite(s): College Readiness in Quantitative Literacy Math

MAT 1320 - Finite Mathematics: GT-MA1

4 Credits

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. Note: This course was previously listed as MAT 123.

Prerequisite(s): College Readiness in Algebra

MAT 1340 - College Algebra: GT-MA1

4 Credits

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. Note: This course was previously listed as MAT 121.

Prerequisite(s): College Readiness in Algebra

MAT 1400 - Survey of Calculus: GT-MA1

4 Credits

Includes derivatives, integrals, and their applications, with attention restricted to algebraic, exponential, and logarithmic functions for business, life science and/or social science majors. Note: This course was previously listed as MAT 125.

Prerequisite(s): MAT 1340 or College Level Math Placement

MAT 1420 - College Trigonometry: GT-MA1

3 Credits

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. Note: This course was previously listed as MAT 122.

Prerequisite(s): MAT 1340 or College Level Math Placement

MAT 1440 - Pre-Calculus: GT-MA1

5 Credits

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. Note: This course was previously listed as MAT 166.

Prerequisite(s): MAT 1340 or College Level Math Placement

MAT 2075 - Special Topics

1-6 Variable Credits

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

MAT 2085 - Independent Study

1-6 Variable Credits

Provides an opportunity for the highly-motivated student to engage in intensive study and research on a specified topic under direction of a faculty member.

Required: Instructor's permission

MAT 2410 - Calculus I: GT-MA1

5 Credits

Introduces single variable calculus and analytic geometry. Includes limits, continuity, derivatives, and applications of derivatives as well as indefinite and definite integrals and some applications. Note: This course was previously listed as MAT 201.

Prerequisite(s): MAT 1420 or MAT 1440 or College Level Math Placement

MAT 2420 - Calculus II: GT-MA1

5 Credits

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. Note: This course was previously listed as MAT 202.

Prerequisite(s): MAT 2410

MAT 2430 - Calculus III: GT-MA1

4 Credits

Focuses on the traditional subject matter of multivariable Calculus. Topics include vectors, vector-valued functions, partial derivatives, analytic geometry, multiple integrals, line integrals and applications. This is a statewide Guaranteed Transfer course in the GT-MA1 category. Note: This course was previously listed as MAT 203.

Prerequisite(s): MAT 2420

MAT 2431 - Calculus III with Engineering Applications: GT-MA1

5 Credits

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. A graphing calculator is required for this course. Note: This course was previously listed as MAT 204.

Prerequisite(s): MAT 2420

MAT 2520 - Discrete Mathematics: GT-MA1

4 Credits

Concentrates on formal logic, algorithms, induction proofs, equivalence relations and graphs. This course is designed for mathematics and computer science students. This is a statewide Guaranteed Transfer course in the GT-MA1 category.

Prerequisite(s): MAT 2410

MAT 2540 - Linear Algebra

3 Credits

Introduces linear algebra and emphasizes techniques of problem solving and introductory proofs.This course includes linear systems, matrices, determinants, vector spaces, linear transformations, eigenvalues, and eigenvectors. Note: This course was previously listed as MAT 255.

Prerequisite(s): MAT 2420

MAT 2560 - Differential Equations: GT-MA1

3 Credits

Emphasizes techniques of problem solving and applications. Topics include first, second, and higher order differential equations, series methods, approximations, systems of differential equations, and Laplace transforms. Note: This course was previously listed as MAT 265.

Prerequisite(s): MAT 2420

MAT 2561 - Differential Equations with Engineering Applications: GT-MA1

4 Credits

Introduces ordinary differential equations. Topics include first, second, and higher order differential equations, series methods, approximations, systems of differential equations, and Laplace transforms with an additional emphasis on engineering applications and problem solving. Appropriate technology related to the mathematical field may be used as a component of the course. This is a statewide Guaranteed Transfer course in the GT-MA1 category. A graphing calculator is required for this course. Note: This course was previously listed as MAT 261.

Prerequisite(s): MAT 2430 or MAT 2431

MAT 2562 - Differential Equations with Linear Algebra

4 Credits

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(s): MAT 2420

Medical Assisting Professional

MAP 1010 - Medical Office Administration

4 Credits

Introduces the administrative duties specifically used in medical offices. Note: This course was previously listed as MAP 110.

MAP 1050 - Pharmacology for Medical Assistants

3 Credits

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. Note: This course was previously listed as MAP 150.

MAP 1083 - Medical Assistant Internship

5 Credits

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. Note: This course was previously listed as MAP 183.

MAP 2038 - Medical Assisting Laboratory

4 Credits

Introduces basic, routine laboratory skills and techniques for collection, handling, and examination of laboratory specimens often encountered in the ambulatory care setting. Note: This course was previously listed as MAP 138.

Prerequisite(s): MAP 1010

MAP 2040 - Medical Assisting Clinical Skills

4 Credits

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. Note: This course was previously listed as MAP 140.

Medical Laboratory Sciences

MLS 3110 - Advanced Hematology

4 Credits

Covers the composition of blood and diseases related to blood disorders. Emphasis is on studying diagnostic procedures and interpreting laboratory findings that correlate with hematological disease states.

MLS 3120 - Hemostasis

2 Credits

Covers the hemostasis and coagulation system. The coagulation pathway, including the extrinsic and intrinsic pathway, is discussed. Course covers bleeding and clotting abnormalities and platelet disorders and correlates lab results with disease states.

MLS 3130 - Clinical Immunology & Virology

3 Credits

Discusses theory, application, and evaluation of laboratory methodologies in the clinical immunology laboratory. This course emphasizes infectious disease serology and virology and includes principles of assessment of immunologically related disorders.

MLS 3140 - Advanced Urinalysis and Body Fluids

3 Credits

Covers the anatomy and physiology of the renal system. This course discusses physical, microscopic, and chemical analysis of urine and describes body fluid counts and analyses. Disease correlation of abnormal urine and body fluids is examined.

MLS 3150 - Advanced Immunohematology

3 Credits

Discusses theory, application, and evaluation of laboratory methodologies in the clinical immunohematology laboratory. This course emphasizes techniques to provide safe, compatible blood components for transfusion and addresses blood donor collection, processing, and storage as well as diagnosis and management of hemolytic conditions, including Hemolytic Disease of the Newborn.

MLS 3160 - Advanced Molecular Biology for the Clinical Lab

3 Credits

Covers theory, application, and evaluation of various molecular methods including polymerase chain reaction, reverse transcription, fluorescence in situ hybridization, and probe hybridization as related to genetic disorders, tumor markers, and infectious disease.

MLS 3170 - Advanced Parasitology and Mycology

2 Credits

Discusses clinically relevant parasites and fungi. This course covers life cycles, modes of transmission, and the impact that these parasites and fungi have on health and disease states and includes methods of laboratory diagnosis and identification.

MLS 4080 - Clinical Internship

8 Credits

To be determines by the individual instructor. A course description will be developed for each course and documented within the course syllabus. Refer to the SFCC Style guide for Course Description, Required Course Learning Outcomes, and Topical Outline Guidelines.

MLS 4110 - Advanced Clinical Microbiology

4 Credits

Encompasses a comprehensive study of clinically significant bacteria. This course discusses techniques used to collect specimens, identify bacteria, and perform anti-microbial testing. Microbes of major body sites, including normal flora and pathogens, are examined.

Prerequisite(s): BIO 2104

MLS 4120 - Advanced Clinical Chemistry

3 Credits

Discusses theory, application and evaluation of laboratory methodologies in the clinical chemistry laboratory. This course covers correlation of laboratory data with diagnosis of various conditions involving carbohydrates, proteins and enzymes, acid-base balance, electrolytes, and special chemistry procedures.

Prerequisite(s): CHE 1112

MLS 4130 - Laboratory Management

2 Credits

Covers theory, application, and evaluation of laboratory management and discusses ethics, diversity, operations, compliance and regulatory issues, method evaluation, and quality assurance. Critical thinking and problem solving as well as educational methodology are emphasized.

MLS 4140 - Clinical Correlations

2 Credits

Summarizes previous MLS courses using case study analyses and critical thinking exercises to interpret data and correlate lab results to disease diagnosis.

Medical Laboratory Technology

MLT 1000 - Introduction to Medical Laboratory Technology

2 Credits

Introduces the student to general and basic information on Clinical Laboratory Science. The course provides an overview of careers within the field, education requirements, and professional organizations. Fundamental information about clinical labs including laboratory divisions, safety, and quality control is presented. The course examines the pathophysiology of disease, and students are introduced through hands-on experiences to those tests that aid in the diagnosis of disease states. Note: This course was previously listed as MLT 100.

Required: Admission to the Medical Lab Technology program

MLT 1031 - Introduction to Hematology

2 Credits

Covers an introduction to phlebotomy and hematology testing. This is an introductory course for Medical Laboratory Technician students and a complete hematology module for phlebotomy students. Note: This course was previously listed as MLT 131.

MLT 1032 - Hematology II

4 Credits

Covers advanced theory and practical application of hematology and hemostasis systems as they relate to the medical laboratory. Laboratory techniques, instrumentation, safety, and quality assurance in the hematology/hemostasis lab are applied. Blood cell formation, cell function and morphology, and coagulation topics are covered. Correlation of test results to blood disorders is explored. Body fluid analysis will be covered including manual counts and laboratory procedures. Note: This course was previously listed as MLT 132.

MLT 1041 - Immunology/Immunohematology

4 Credits

Covers theoretical principles and procedures in immunology and immunohematology as they pertain to the clinical laboratory. Blood banking procedures will be covered including: antigens, antibodies, immune system responses, genetics, antibody identification, compatibility testing, transfusion reactions, component therapy, donor selection and tests, autoimmune hemolytic anemias and hemolytic disease of the newborn. Proficient performance of related laboratory testing is mandatory. Note: This course was previously listed as MLT 141.

Prerequisite(s): MLT 1032 and BIO 2101

Corequisite(s): BIO 2102

MLT 1042 - Urinalysis

2 Credits

Provides the student with theory and practice in performing urinalysis, including kidney function and urine formation. Urinalysis consist of examination of the physical, chemical, and microscopic components of urine. Analysis of other body fluid including cerebrospinal (CSF), serous, amniotic, synovial, seminal, vaginal, and feces are included. Note: This course was previously listed as MLT 142.

MLT 1080 - Internship/Blood Banking

1 Credit

The clinical internship provides the student the opportunity to implement skills learned in the MLT 1041 - Immunology/Immunohematology course in a clinical laboratory setting. Student attends for 40 hours per week for 2 weeks. Additional practice of blood bank principles and procedures, experience with automated instrumentation and exposure to clinical environment provided. Note: This course was previously listed as MLT 180.

MLT 1082 - Internship II/Hematology, Coagulation and Urinalysis

5 Credits

Provides the student with clinical laboratory experience in the principles and procedures of clinical hematology, coagulation, and urinalysis. Emphasis is placed on the implementation of knowledge and technical skills in a clinical environment. Note: This course was previously listed as MLT 182.

Prerequisite(s): MLT 1032 and MLT 1041

MLT 2031 - Clinical Microbiology

4 Credits

Explains the basic skills, principles, and techniques for the staining, culturing, isolation, and identification of microorganisms of medical importance. Student will interpret clinical specimens to provide data correlation including diagnostics and treatment. Techniques for determining antibiotic sensitivity will be demonstrated. Public health, safety and quality control will also be emphasized. Note: This course was previously listed as MLT 231.

MLT 2032 - Parasitology/Mycology

2 Credits

Provides the student with an introduction to basic laboratory identification and classification of medically significant isolates in parasitology and mycology. Laboratory safety, specimen selection, processing, isolation, and identification methods will be covered. Epidemiology and pathogenesis of mycosis and parasitic infections will be emphasized. Note: This course was previously listed as MLT 232.

MLT 2041 - Introduction to Clinical Chemistry

2 Credits

Covers basic laboratory math, basic instrumentation, safety and quality control are discussed along with basic theory and result evaluation of electrolytes, kidney function and liver function test. MLT 241 is designed as an introduction course to clinical chemistry for MLT students. Note: This course was previously listed as MLT 241.

MLT 2042 - Clinical Chemistry II

4 Credits

Covers advanced clinical chemistry theory, organ functions and disease correlations. Manual and automated chemistry testing is performed in the laboratory portion of the course. Note: This course was previously listed as MLT 242.

MLT 2053 - Seminar/Comprehensive Exams

1 Credit

Prepares students for board exams and maintenance of certification through continuing education. Writing resumes, interviewing and job skills are practiced. Students will have the opportunity to complete multiple mock Medical Laboratory Technician (MLT) board exams. Note: This course was previously listed as MLT 253.

MLT 2075 - Special Topics

1-6 Variable Credits

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

interest. Note: This course was previously listed as MLT 275.

MLT 2080 - Internship/Clinical Chemistry

5 Credits

Provides the student with clinical laboratory experience in the principles and procedures of clinical chemistry. Emphasis is placed on the implementation of knowledge and technical skills in a clinical environment. Note: This course was previously listed as MLT 280.

MLT 2082 - Internship IV/Microbiology

2 Credits

Provides the student with clinical laboratory experience in the principles and procedures of clinical microbiology. Emphasis is placed on the implementation of knowledge and technical skills in a clinical environment. Note: This course was previously listed as MLT 282.

MLT 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as MLT 285.

Required: Instructor's permission

Medical Office Technology

MOT 1025 - Basic Medical Sciences I

3 Credits

Introduces the anatomy, 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 to the medical office technology personnel. Note: This course was previously listed as MOT 125.

MOT 1026 - Basic Medical Sciences II

3 Credits

Introduces the anatomy, physiology, pathophysiology, and drug therapy of the cardiovascular, respiratory, integumentary, and senses systems. The scope of the material is limited for the medical office technology personnel. Note: This course was previously listed as MOT 133.

MOT 1027 - Basic Medical Sciences III

3 Credits

Introduces the anatomy, 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. Note: This course was previously listed as MOT 135.

MOT 1036 - Introduction to Clinical Skills

3 Credits

Provides hands on experience with the basic clinical skills required for assisting with patient care in an ambulatory setting.

MOT 2040 - Advanced Insurance Billing and Coding

3 Credits

Prepares the student to code correctly to optimize reimbursements for a full range of medical services by applying data to claim forms using official coding guidelines to eliminate insurance fraud and abuse. Note: This course was previously listed as MOT 131.

Prerequisite(s): HPR 1040

MOT 2089 - Capstone

1 Credit

Provides a demonstrated culmination of learning within a given program of study. Note: This course was previously listed as MOT 289.

Required: Instructor's Permission

Meteorology

MET 1050 - General Meteorology w/Lab: GT-SC1

4 Credits

Provides an introduction to general meteorology and atmospheric sciences. Includes the composition and structure of the atmosphere and characteristics that affect the atmosphere, such as temperature, pressure, and moisture. Examines the development of weather system, such as storm systems, hurricanes, weather fronts, and cloud development. Stresses the concepts of climatology. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as MET 150.

Mortuary Science

MOR 1000 - Intro to Funeral Service

3 Credits

Provides students with an overview of funeral customs and practices which have led to our current industry. The course will begin by examining ancient practices of the Egyptians, and will conclude with the practices of post-World War II. The course will concentrate on the American History of "undertaking". This course will help students to determine more clearly their level of interest in and aptitude toward this profession. Note: This course was previously listed as MOR 100.

MOR 2010 - Embalming Theory I and Lab

4 Credits

Provides intensive study of the basic fundamentals of the embalming process including the purpose of embalming, history of embalming, modes of death, signs of death, tests for death, post-mortem physical and chemical changes in the dying process and moral and ethical considerations in preparation of human remains. The academic lab portion of this lab includes active participation by the student in 5 embalming's. Note: This course was previously listed as MOR 210.

Required: Program Admission, and all General Education courses completed

MOR 2015 - Funeral Merchandising

3 Credits

Presents a study of marketing and merchandising techniques analogous to small business and the funeral profession in particular. The student will have the opportunity to study casket and burial vault construction, pricing methods, merchandising, and sales techniques, and the counselor's presentation of goods and services to client families. The course will utilize theory and role-playing to convey knowledge and self-confidence. The course will include: basic terminology; financing and pricing; organization and management; personnel management; and specific theories inherent to the funeral service. Note: This course was previously listed as MOR 215.

Required: Program admission

Corequisite(s): MOR 2020 - Mortuary Law and Compliance

MOR 2020 - Mortuary Law and Compliance

3 Credits

Introduces the student to sources of law; the legal status of the dead human body; the duty of burial, right to control funeral arrangements and final disposition and liability for expenses; torts involving the dead human body and the funeral director; wills, estates and probate proceedings; cemeteries and issues related thereto; state and federal laws and regulations pertaining to funeral service such as ADA, OSHA, FTC, and EPA; and the legal aspects of being a licensed funeral director/embalmer. This course will also include ethics as related to principles in funeral service. Note: This course was previously listed as MOR 220.

Required: Program admission

Prerequisite(s): MOR 2015 - Funeral Merchandising

MOR 2024 - Thanato-Microbiology/Pathology

4 Credits

Presents the basic principles of microbiology nature and cause of disease, and the pathogenicity associated with specific diseases. It will present a historical overview of microbiology as related to advances in medicine. The specific kinds of microorganisms: virus, rickettsiae, bacteria, fungus and protozoa are described. Metabolism, reproduction growth and control microorganisms, infectious diseases, etiology and transmission are covered. The pathology portion of this course will focus upon the functions of the human body systems and their relationship to diseases. Note: This course was previously listed as MOR 224.

Required: Program admission

MOR 2025 - Embalming Theory II and Lab

4 Credits

Provides intensive study beyond the basic skills involved in the embalming process. Topics covered include case analysis, formulating chemical solutions, a complete analysis of the circulatory system, an explanation of the equipment used in the embalming process, and methods of

injection and drainage. This course will introduce the student to theoretical practice in the art of embalming by means of case analysis. Note: This course was previously listed as MOR 225.

Prerequisite(s): MOR 2010 - Embalming Theory I and Lab

Corequisite(s): MOR 2030 - Restorative Art and Lab

MOR 2030 - Restorative Art and Lab

4 Credits

Provides in-depth study of anatomical modeling, forming of expression, and familiarization with instruments, materials, and techniques of restoring human features. These principles and practices will be used in the everyday embalming operations in our industry. Note: This course was previously listed as MOR 230.

Corequisite(s): MOR 2025 - Embalming Theory II and Lab

MOR 2035 - Funeral Directing and Counseling

3 Credits

Includes general information on: notification of death, transfer of remains, conduct of the arrangement conference, prefunded/preplanned funerals, a cross-section of religious funeral practices, fraternal and military funerals, shipping of remains, and the Funeral Service Consumer Arbitration Program (FSCAP). This course also includes the sociology of Funeral Service and studies those social phenomena that affect all elements of funeral service. This includes family structures, social structures, and the factors of change that relate to funeralization. Note: This course was previously listed as MOR 235.

Required: Program admission.

MOR 2043 - Thanatochemistry

3 Credits

Provides the student with the knowledge necessary to safely and effectively utilize potentially harmful chemicals necessary for the sanitation, disinfection, restoration, and preservation of dead human remains currently in practice in the Funeral Service Industry. Note: This course was previously listed as MOR 243.

Required: Program admission

MOR 2060 - National Board Exam Review

1 Credit

Prepares for the American Board of Funeral Service Education (ABFSE) National Board Exam. Note: This course was previously listed as MOR 260.

MOR 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as MOR 275.

MOR 2080 - Internship

4 Credits

Provides students with the opportunity to supplement coursework with practical work

experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the Instructor. Note: This course was previously listed as MOR 280.

MOR 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as MOR 285.

Required: Instructor's permission

Multimedia Graphic Design

MGD 1001 - Introduction to Computer Graphics

3 Credits

Introduces the student to the computer system and software used to develop graphics. The student will learn the hardware and software components for publication and multimedia production through execution in various vector, raster, page layout and multimedia programs. Students will be introduced to career opportunities within graphics fields. Note: This course was previously listed as MGD 101.

MGD 1002 - Introduction to Multimedia

3 Credits

Introduces the basic components of multimedia: text, graphics, animation, sound, and video. Students gain an introductory knowledge of various multimedia and design software programs. Students gain hands-on, technical, conceptual and aesthetic experience pertaining to the creation of multi-dimensional design and time-based media via an array of projects and demonstrations. Students will be introduced to career opportunities within multimedia fields. Note: This course was previously listed as MGD 102.

MGD 1011 - Adobe Photoshop I

3 Credits

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. Note: This course was previously listed as MGD 111.

MGD 1012 - Adobe Illustrator I

3 Credits

Concentrates on the high-end capabilities of Adobe Illustrator as an illustration, design and vector drawing tool. Students learn how to use the tools to create digital artwork that can be used in web design, print media, and digital screen design. Course competencies and outline follow those set by the Adobe certified Associate exam in Visual Communication using Adobe Illustrator. Note: This course was previously listed as MGD 112.

MGD 1013 - Adobe InDesign

3 Credits

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. Note: This course was previously listed as MGD 114.

MGD 1015 - Typography and Layout

3 Credits

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. Note: This course was previously listed as MGD 105.

Corequisite(s): MGD 1001, MGD 1002, MGD 1012, or MGD 1013

MGD 1017 - Introduction to Visual Communications

3 Credits

Surveys visual communications, its history and impact on society. A foundation course for graphic design and illustration majors and a survey for non-majors who are interested in the field. Assignments require minimal artistic talent. Note: This course was previously listed as MGD 117.

MGD 1018 - Digital Color Theory

3 Credits

Covers color theory as it relates to multimedia. The psychology of color is taught as well as how to effectively design with color. Students learn how to correct color photographs and create color separations. Color scanning technology is also covered. Note: This course was previously listed as MGD 118.

MGD 1020 - Intro to Production Design

3 Credits

Explores the use of tools, computer graphics techniques and design layout principles to produce professional graphic designs. Studies include printing basics, typography and digital color systems. Students use creative thinking to solve communication and design concepts for the output process. Note: This course was previously listed as MGD 103.

Corequisite(s): MGD 1011, MGD 1012, or MGD 1013

MGD 1037 - Illustration I

3 Credits

Addresses methods and techniques used in the profession of illustration for advertising, brochures, books and other forms of printed communications. Course concentrates on developing expertise in producing line and continuous-tone black-and-white art with emphasis on design and the creation of art for reproduction. Note: This course was previously listed as MGD 207.

Prerequisite(s): MGD 1034 or ART 1201

MGD 1038 - Illustration II

3 Credits

Addresses methods and techniques used in the illustration profession beyond those covered in Illustration I. Course concentrates on developing expertise in producing color art for reproduction. Note: This course was previously listed as MGD 208.

Prerequisite(s): MGD 1037

MGD 1041 - Web Design I

3 Credits

Introduces web site planning, design and creation utilizing HTML through industry-standard development tools [may list specific software]. Emphasis is placed on applying stylistic decisions using cascading style sheets. Web-based considerations regarding color, typography, aesthetics, user interface design, and process integration with visual-based design tools will be explored. Note: This course was previously listed as MGD 141.

MGD 1043 - Motion Graphic Design I: (Software)

3 Credits

Stresses creation of animation and dynamic interactive media for web and multimedia applications to a professional standard. Students will learn how develop projects for time-based media, key-frames, tweens and symbols. Students will learn how to use actions to trigger timeline events to create interactive behaviors. Note: This course was previously listed as MGD 143.

MGD 1052 - 2D Animation Production

3 Credits

Presents the fundamental principles and applications of traditional 2D character animation. Students develop an awareness and appreciation of the depth of skill and abilities required to create 2D animation. Students compare/contrast 2D skills application toward the creation of 3D animation and develop the fundamental skills of character animation such as pencil testing and evaluation, ink and paint production and compositing. Students produce a finished piece of original animation, highlighting the skills acquired in class. Note: This course was previously listed as MGD 152.

Prerequisite(s): MGD 1042

MGD 1053 - 3-D Animation I

3 Credits

Encompasses all major aspects of creating 3D characters using animation software. Using developed characters, the student will learn how to animate for personality. Note: This course was previously listed as MGD 153.

MGD 1063 - Sound Design I

3 Credits

Explores the use of sound in multimedia production and audio storytelling. Students examine the principles of recording. Classes focus on how sound can enhance interactive productions and improve computer presentations. Students learn how to use the computer as a full audio editing studio. Note: This course was previously listed as MGD 163.

MGD 1064 - Digital Video Editing I

3 Credits

Introduces to digital non-linear video editing.

Students will capture, compress, edit, and manipulate video images using a personal computer. Assembly techniques including media management, editing tools, titles, and motion control; transitions and filters, and special effects are explored. Note: This course was previously listed as MGD 164.

MGD 1075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as MGD 175.

MGD 1905 - Macintosh Troubleshooting for Designers

3 Credits

Addresses terminology, hardware, graphics software applications, peripherals, and troubleshooting needs of designers who use the Macintosh computer as a production tool. Note: This course was previously listed as MGD 214.

MGD 2011 - Adobe Photoshop II

3 Credits

Develops and reinforces image composition techniques learned in MGD 111 - Adobe Photoshop I . Fundamentals are continuously reinforced as new design techniques are introduced. Note: This course was previously listed as MGD 211.

Prerequisite(s): MGD 1011

MGD 2012 - Adobe Illustrator II

3 Credits

Expands the skillful practice and strategic use of Adobe Illustrator as a vector-based design tool in traditional and emerging workflows. Note: This course was previously listed as MGD 212.

Prerequisite(s): MGD 1012

MGD 2014 - Typography II

3 Credits

Expands the investigation of typographic form, function and meaning within the context of contemporary visual language. Students will learn to effectively use typography as a solution to many diverse visual language applications. Students will build conceptualization skills while further experimenting with the aesthetic, formal and functional role typography plays in the creation of meaning. Students will learn how type is applied to grid systems and will explore an increasing complexity of content organization, encompassing multipage formats, websites, and systems design considerations. Note: This course was previously listed as MGD 217.

Prerequisite(s): MGD 1014 or MGD 1015

MGD 2027 - Marcomm Practices

3 Credits

Explores techniques and approaches in the practice of marketing communications (marcomm), including: advertising; branding; direct marketing; packaging; promotion; publicity; sponsorship; public relations; sales; online marketing; social media marketing, and more. Focuses on understanding the relationships between the different components of marketing communications to achieve maximum message effect. Note: This course was previously listed as MGD 227.

MGD 2037 - Illustration III

3 Credits

Continues Illustration II with added emphasis on conceptual development and proficiency in technique. Note: This course was previously listed as MGD 209.

Prerequisite(s): MGD 1038

MGD 2038 - Illustration IV

3 Credits

Covers advanced illustration techniques including manual, computer, and mixed media techniques. Note: This course was previously listed as MGD 210.

Prerequisite(s): MGD 2037

MGD 2041 - Web Design II

3 Credits

Expands on previously learned fundamentals of HTML introducing cascading style sheets, DHTML, JavaScript's 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. Note: This course was previously listed as MGD 241.

Prerequisite(s): MGD 1041

MGD 2042 - Web Architecture: Open Source Design

3 Credits

Provides an overview of current open source tools used in the design industry for designing and implementing Web architecture. Course content changes with trends in the industry. Design focus is on information hierarchy in how it pertains to User Interface (UI) and User Experience (UX) and Search Engine Optimization (SEO). Topics include current content management systems (CMS) such as WordPress and/or Drupal, identifying web scripting languages, and an overview of open source programming and database integration. Note: This course was previously listed as MGD 242.

Prerequisite(s): MGD 1041

MGD 2043 - Web Motion Graphic Design II

3 Credits

Stresses the complex creation of 2D animated motion graphics concentrating on the prior skills learned and the use of scripting and behaviors. Students will create motion graphics using these skills and apply them to Web sites. Web site justification of motion graphics will be stressed, appraised and weighed. Note: This course was previously listed as MGD 243.

Prerequisite(s): MGD 1043

MGD 2050 - Emerging Multimedia Technologies

3 Credits

Provides a broad-based overview of current trends and issues in multimedia development and related industries. The class format will include lectures, readings, demos, discussion, research, projects, and a final student presentation. Course content changes each semester. May include topics

such as voice/data/video integration, virtual environments, broadband, streaming media architectures, telco/CATV/satellite technologies, network-based applications, using technology for building community, wireless technology, current thinking in human factors and usability, XML and the semantic web, groupware and collaborative tools, pervasive computing, and others. Note: This course was previously listed as MGD 250.

MGD 2056 - Graphic Design Production

3 Credits

Provides an opportunity to combine several draw and paint applications into one design and layout class. Students will explore advanced techniques in creating and designing computer art. Note: This course was previously listed as MGD 256.

Prerequisite(s): MGD 1020, MGD 1015, or 1014; MGD 1012, and MGD 1013

MGD 2058 - User Experience/User Interface Design (UX/UI)

3 Credits

Provides a project-based introduction of the design process of user experience and user interface. This course emphasizes practical methods and approaches based on user need for solving design problems. Other focuses of the course include user testing and research methods, design prototyping, and design validation. Note: This course was previously listed as MGD 258.

Prerequisite(s): MGD 1058

MGD 2060 - Graphic Design Production II

3 Credits

Continues design and production techniques with further instruction in computer file set-up and creation of camera-ready art. Use of black and white and spot color for a variety of design projects. Note: This course was previously listed as MGD 260.

Prerequisite(s): MGD 2056

MGD 2062 - Graphic Design Production III

3 Credits

Covers advanced study in design and production techniques and processes, including use of full color for publication design and book formats, advertising campaigns, business reply mail, promotional items, and editorial design. Note: This course was previously listed as MGD 262.

Prerequisite(s): MGD 2060

MGD 2064 - Digital Video Editing II

3 Credits

Looks at the more complex and advanced techniques of digital video editing. Areas of editing such as masking, filtering, blue/green screening, track mattes, and image mattes will be examined. Students will produce a movie project in this class and discuss practical ways to distribute to various audiences. Note: This course was previously listed as MGD 264.

Prerequisite(s): MGD 1064

MGD 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as MGD 275.

MGD 2080 - Internship

3 Credits

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the Instructor. Note: This course was previously listed as MGD 280.

MGD 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as MGD 285.

MGD 2087 - Cooperative Education

3 Credits

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. Note: This course was previously listed as MGD 287.

MGD 2089 - Capstone

3 Credits

A demonstrated culmination of learning within a given program of study. Note: This course was previously listed as MGD 289.

Music

MUS 1000 - Music Theory Fundamentals I

3 Credits

Focuses on the foundational elements of music theory. The course will cover clef reading, pitch and rhythmic notation, intervals, scales, key signatures, triads and diatonic chords, and an introduction to ear training and sight singing. The course will help beginning music students, including those who have limited background reading music notation and understanding the fundamentals of music theory. Note: This course was previously listed as MUS 100.

MUS 1008 - Principles of Acoustics

3 Credits

Provides simplified acoustic and psychoacoustic concepts to promote an intuitive understanding of sound, its relation to and interaction with physical environments, and the role of sensory perception in shaping the way humans hear. Note: This course was previously listed as MUS 108.

MUS 1010 - Music Theory I

3 Credits

Reviews and builds upon music fundamentals, diatonic harmony, phrase structure, and analysis. The course introduces voice leading and four part harmony in root position and inversions. Note: This course was previously listed as MUS 110.

MUS 1011 - Music Theory II

3 Credits

Introduces harmony through four-part writing studying principles of harmonic progression, modulation, diatonic seventh chords, secondary dominants, keyboard harmony, and score analysis of binary and ternary form. Note: This course was previously listed as MUS 111.

MUS 1012 - Ear Training and Sight-Singing I Lab

1 Credit

Provides exercises in sight singing, rhythmic reading, and melodic and rhythmic dictation. The course will include performance of melodies and rhythmic reading exercises. Ear training dictation topics includes rhythm, intervals, diatonic scales, melody, triad types, and scales. Note: This course was previously listed as MUS 112.

MUS 1013 - Ear Training and Sight-Singing II Lab

1 Credit

Continues to develop sight singing, rhythm reading, and dictation skills. The course includes expanded exercises in sight singing, rhythmic reading, and melodic and rhythmic dictation, as well as performance of melodies and rhythmic reading exercises. This course includes ear training topics. Note: This course was previously listed as MUS 113.

MUS 1020 - Music Appreciation: GT-AH1

3 Credits

Introduces the study of music focusing on intelligent listening skills, the elements of music and their relationships, the musical characteristics of representative works and composers, common musical forms and genres of various Western, and non-Western historical style periods. This is a statewide Guaranteed Transfer course in the GT-AH1 category. Note: This course was previously listed as MUS 120.

MUS 1021 - Music History Medival thru Classical: GT-AH1

3 Credits

Provides an historical survey of Western art music from the Middle Ages into the Classical period, including styles, genres, composers, works, and significant cultural and historical influences upon the repertoire. This is a statewide Guaranteed Transfer course in the GT-AH1 category. Note: This course was previously listed as MUS 121.

MUS 1022 - Music History Early Romantic Period to the Present: GT-AH1

3 Credits

Provides an historical survey of Western art

music connecting the classical period to the Romantic period and following to the present. This course includes the study of styles, genres, composers, works, and significant cultural and historical influences upon the repertoire. This is a statewide Guaranteed Transfer course in the GT-AH1 category. Note: This course was previously listed as MUS 122.

MUS 1023 - Survey of World Music: GT-AH1

3 Credits

Provides an overview of music from around the globe including folk, ethnic, non-Western and popular styles. Develops basic listening skills and builds a historical/cultural context for world music styles to enable an understanding and appreciation of global music. This is a statewide Guaranteed Transfer course in the GT-AH1 category. Note: This course was previously listed as MUS 123.

MUS 1025 - History of Jazz: GT-AH1

3 Credits

Provides an overview of jazz history covering the basic materials of music and the forms, media, genres, and the historical and cultural framework of each style period. This course emphasizes the building of critical listening tools and the development of a jazz music vocabulary. This is a statewide Guaranteed Transfer course in the GT-AH1 category. Note: This course was previously listed as MUS 125.

MUS 1031 - Music Class I

2 Credits

Provides group instruction in music, introducing basic techniques, repertoire, and sight-reading. Note: This course was previously listed as MUS 131.

MUS 1041 - Private Instruction (Specify)

1-2 Credits

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. An additional fee is required. Note: This course was previously listed as MUS 141.

MUS 1042 - Private Instruction (Specify)

1-2 Credits

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. An additional fee is required. Note: This course was previously listed as MUS 142.

MUS 1051 - Ensemble I

1 Credit

First year, first term. Rehearses and performs various types of musical literature. Note: This course was previously

listed as MUS 151.

Required: Ability on an Instrument or voice or Instructor's permission

MUS 1052 - Ensemble II

1 Credit

Rehearses and performs various types of musical literature. First year, second term. Note: This course was previously listed as MUS 152.

Required: Ability on an Instrument or voice or Instructor's permission

MUS 1061 - Computer Music Applications I

3 Credits

Introduces audio signal flow, Digital Audio Workstation (DAW), current computer music software, digital audio practices, Musical Instrument Digital Interface (MIDI) sequencing, and audio for video. Note: This course was previously listed as MUS 161.

MUS 1062 - Computer Music Applications II

3 Credits

Further explores the technical and creative use Digital Audio Workstation (DAW) environment. Sound design using analog and digital synthesis and sampling, digital signal processing, and mastering and audio formats will be among the topics explored. Note: This course was previously listed as MUS 162.

MUS 1063 - Music Audio Production I

3 Credits

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. Note: This course was previously listed as MUS 163.

MUS 1064 - Music Audio Production II

3 Credits

Refines techniques and emphasizes critical listening in the acoustic and Digital Audio Workstation environments. Note: This course was previously listed as MUS 164.

MUS 1067 - Music Business I

3 Credits

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. Note: This course was previously listed as MUS 167.

MUS 1069 - Project Management for Musicians

3 Credits

Provides an overall approach to successfully plan and execute music entertainment industry-related projects. Course provides opportunities to develop a clear project vision and process to: break

down abstract ideas into concrete components, and create and execute practical action plans. Note: This course was previously listed as MUS 169.

MUS 1075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as MUS 175.

MUS 2010 - Music Theory III

3 Credits

Continues study of four-part music, including extended harmonic progressions of ninth, eleventh, thirteenth chords, extended alteration, non-chord tones, modulation and compositions. Note: This course was previously listed as MUS 210.

MUS 2011 - Music Theory IV

3 Credits

Continues the study of chromatic harmony and analysis. This course introduces 20th and 21st century compositional techniques, including Impressionism, serialism, non-tertian harmonies, and further study in forms and analysis. Note: This course was previously listed as MUS 211.

MUS 2012 - Ear Training/Sight-singing Lab III

1 Credit

Covers sight singing and melodic dictation using modulation and chromaticism. It covers harmonic dictation including diatonic and chromatic harmonic progressions. It will emphasize rhythmic reading and dictation including syncopation and asymmetrical meters. Note: This course was previously listed as MUS 212.

MUS 2013 - Ear Training/Sight-singing Lab IV

1 Credit

Covers sight singing and ear training skills related to musical styles since 1900. Note: This course was previously listed as MUS 213.

MUS 2041 - Private Instruction

1-2 Credits

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. Note: This course was previously listed as MUS 241.

MUS 2042 - Private Instruction

1-2 Credits

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. An additional fee is required. Note: This course was previously listed as MUS 242.

MUS 2051 - Ensemble I

1 Credit

Rehearses and performs various types of musical literature. Second year, first term. Note: This course was previously listed as MUS 251.

MUS 2052 - Ensemble II

1 Credit

Rehearses and performs various types of musical literature. Second year, second term. Note: This course was previously listed as MUS 252.

Required: Ability on an Instrument or voice or Instructor's permission

MUS 2060 - The Business of Live Music Performance

3 Credits

Provides a detailed overview of the business of live music performance. Course provides an understanding of the key team members involved with live performance planning and the preparations and logistics involved in developing, negotiating, budgeting, and executing local performances to entire tours. Note: This course was previously listed as MUS 260.

MUS 2063 - Music Publishing

3 Credits

Provides a detailed overview of the fundamentals of music publishing and licensing. Course explores the managing and monetizing of intellectual property, industry cash flow, exclusive bundle of copyrights, exploitation of rights, rights and licensing organizations, national and international licensing, song ownership, song placement, pitching songs, and maximizing royalties. Note: This course was previously listed as MUS 263.

MUS 2065 - Live Audio Engineering

3 Credits

Covers the concepts and technical skills of live sound reinforcement. Topics include basic audio concepts, the operation and interconnection of a sound system, signal processing, and the duties of the sound engineer. Note: This course was previously listed as MUS 265.

MUS 2067 - Music Marketing Strategies

3 Credits

Provides an overview of key marketing principles, terms, and practices, which form the foundation for all music entertainment marketing plans. Course examines the key areas of marketing opportunities for music entertainment entrepreneurs including merchandising, publicity, radio promotion, retail and distribution, advertising, and touring. Note: This course was previously listed as MUS 267.

MUS 2075 - Special Topics

1-6 Variable Credits

Covers specific topics in music. This course is offered as needed for credit appropriate to the topic and each offering includes a description of the topic(s). Note: This course was previously listed as MUS 275.

MUS 2084 - Internship

1 Credit

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. Note: This course was previously listed as MUS 284.

MUS 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as MUS 285.

Required: Instructor's permission

Nail Technician

NAT 1008 - Introduction to Manicures, Pedicures, and Artificial Nails

3 Credits

Provides a basic introduction into the proper use of implements used in manicures, pedicures, and artificial nails. Theory and practical application of proper set-up, safety, sanitation, nail shapes, anatomy, product knowledge, and terminology dealing with manicures, pedicure,s and artificial nails is covered. Training is done in a classroom or lab setting using models or other techniques.

NAT 1010 - Introduction to Manicures and Pedicures

3 Credits

Provides a basic introduction in the proper use of implements used in manicures and pedicures. Theory and practical application of proper set-up, safety, sanitation, nail shapes, anatomy, product knowledge and terminology dealing with manicures and pedicures is covered. Training is done in a classroom or lab setting using models or other techniques. Note: This course was previously listed as NAT 110.

NAT 1011 - Intermediate Manicures and Pedicures

2 Credits

Presents theory and practical application dealing with different types of manicures, pedicures, nail art and massage techniques. Theory and practical application of procedures, products, nail shapes and maintenance of natural nails is covered. Students learn to recognize different nail disorders and their proper treatment. Training is done in a specialized class or in supervised salon (clinical) setting, using models or customer service. Proper sanitation and sterilization as it pertains to all aspect of manicures, pedicures and nail art is taught. Note: This course was previously listed as NAT 111.

NAT 1058 - Intermediate Manicuring, Pedicures, and Artificial Nails

2 Credits

Presents theory and practical application dealing with different types of manicures, pedicures, and massage techniques.

Theory and practical application of procedures, products, nail shapes, and maintenance of artificial nails is covered. Students learn to recognize different nail disorders and their proper treatment. Training is done in a specialized class or in supervised salon (clinical) setting, using models or customer service.

NAT 1059 - Intermediate Manicuring, Pedicures, and Artificial Nails II

2 Credits

Presents theory and practical application dealing with different types of manicures, pedicures, and massage techniques. Theory and practical application of procedures, products, nail shapes, and maintenance of artificial nails is covered. Students learn to recognize different nail disorders and their proper treatment. Training is done in a specialized class or in supervised salon (clinical) setting, using models or customer service.

NAT 2008 - Advanced Manicuring, Pedicures, and Artificial Nails

4 Credits

Provides advanced theory and practical application of manicures, pedicures, and nail art techniques. Theory and advanced practical techniques of silk wraps, tip overlays, acrylics, and product knowledge to ready the student for employment is presented. Instruction is provided in specialized classes or in supervised salon (clinical) setting using models or customer service. Student preparation for state board licensing examination pertaining to manicures and pedicures is covered.

NAT 2010 - Advanced Nail Care

2 Credits

Presents theory and practical application dealing with different types of manicures, pedicures massage techniques and nail art. Theory and practical application of procedures, products, nail shapes and maintenance of the natural nails is covered. Students learn to recognize different nail disorders and their proper treatment. Training is done in a specialized class or in supervised salon (clinical) setting, using models or customer service. Note: This course was previously listed as NAT 210.

NAT 2011 - Application of Nail Enhancements

5 Credits

This course covers advanced theory and product knowledge of current industry nail enhancements to ready the student for employment. Practical application and removal techniques of nail wraps, tip overlays, acrylics and any current enhancements are practiced. Instruction is provided in specialized classes or in supervised salon setting using models or customer service. This course prepares the student for the Colorado state board licensing examination.

Nurse Aide

NUA 1001 - Nurse Aide Health Care Skills

4 Credits

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. Note: This course was previously listed as NUA 101.

Corequisite(s): NUA 1070 and NUA 1071

NUA 1070 - Nurse Aide Clinical Experience

1 Credit

Applies knowledge and skill gained in NUA 1001 to patient care. Note: This course was previously listed as NUA 170.

Required: Current CPR card (Basic Life Support for Health Care Provider through the American Heart Association. Negative TB test or chest X-ray, documentation of two MMRs, chickenpox, at least 2 of the three Hepatitis B vaccine, and a clear background check through ACC.

Corequisite(s): NUA 1001

NUA 1071 - Clinical: Advanced Nurse Aide

1 Credit

Expands and applies knowledge and skill gained in NUA 1070 to client care. Note: This course was previously listed as NUA 171.

Corequisite(s): NUA 1001

Nursing

NUR 1006 - Medical-Surgical Nursing Concepts

7 Credits

NUR106 is the first medical/surgical nursing course. Building on NUR 1009, this course provides for the acquisition of basic medical/surgical nursing theory, as well as application of mental health concepts, communication, collaboration, caring, and critical thinking/clinical reasoning necessary for safe, patient-centered care to a developmentally and culturally diverse adult patient population experiencing various medical/surgical interventions. Incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the nurse. Application of knowledge and skills occurs in the nursing skills laboratory and a variety of clinical settings. Note: This course was previously listed as NUR 106.

Prerequisite(s): BIO 2101, ENG 1021, PSY 2440, HPR 1010, BIO 2102, BIO 2104, MAT 1120, NUR 1009, NUR 1012 with a grade of "C" or better

Corequisite(s): NUR 1050

NUR 1009 - Fundamentals of Nursing

6 Credits

Nursing 109 introduces the fundamental concepts necessary for safe, patient-centered nursing care to a diverse patient population while integrating legal and ethical responsibilities of the nurse. Introduces caring, critical thinking, the nursing process, quality improvement, and communication used when interacting with patients and

members of the interdisciplinary team, and relates evidence-based nursing practice. Application of knowledge and skills occurs in the nursing skills laboratory and a variety of clinical settings providing care to stable patients with common health alterations. Note: This course was previously listed as NUR 109.

Prerequisite(s): BIO 2101, ENG 1021, PSY 2440, HPR 1010 with a grade of "C" or better

Corequisite(s): NUR 1012, BIO 2102, and MAT 1120

NUR 1012 - Basic Concepts of Pharmacology

2 Credits

Provides an overview of the basic principles of pharmacology including major drug classifications and prototypes of commonly used medications. This course introduces central concepts including safety and quality improvement practices in the administration of medications, person centered teaching, and variations encountered when administering medications to diverse population across the lifespan. Note: This course was previously listed as NUR 112.

Prerequisite(s): BIO 2101, ENG 1021,PSY 2440, HPR 1010 with a grade of "C" or better

Corequisite(s): NUR 1009, BIO 2102, and MAT 1120

NUR 1050 - Maternal - Child Nursing

6 Credits

Nursing 150 provides for the acquisition of maternal/child nursing theory, as well as application of mental health concepts, communication, collaboration, caring, and critical thinking/clinical reasoning necessary for safe, family-centered nursing care to childbearing families and children that is developmentally and culturally appropriate. Incorporates evidence-based practice, standards of practice, quality improvement, and legal and ethical responsibilities of the nurse. Application of knowledge and skills occurs in the nursing skills laboratory and in a variety of maternal/child and pediatric clinical settings. Note: This course was previously listed as NUR 150.

Prerequisite(s): BIO 2101, ENG 1021, PSY 2440, HPR 1010, BIO 2102, MAT 1120, NUR 1009, NUR 1012 with a grade of "C" or better.

Corequisite(s): NUR 1006

NUR 1085 - Independent Study

0 - 12 Credits

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

NUR 2002 - Transition from LPN to ADN

3 Credits

Focuses on assisting the LPN to transition into a new role as an Associate Degree Nursing Student. Emphasis will be placed on roles and responsibilities of the ADN, nursing process, critical thinking, legal and ethical issues and nursing practice issues related to specialized skills and the care of special populations. The clinical focus will

be care of the pediatric and obstetric client. Note: This course was previously listed as NUR 189.

Prerequisite(s): BIO 2116, BIO 2101, ENG 1021, PSY 2440, HPR 1010, BIO 2102, MAT 1120 with a grade of "C" or better

NUR 2006 - Advanced Concepts of Medical-Surgical Nursing I

6.5 Credits

Builds on medical surgical nursing theory, mental health concepts, communication, collaboration, caring, and critical thinking/clinical judgment necessary for safe, person-centered nursing care to developmentally and culturally diverse, high acuity medical surgical adult patients. The course incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the professional nurse. The application of knowledge and skills occurs in the nursing skills laboratory and in a variety of clinical settings. Note: This course was previously listed as NUR 206.

Prerequisite(s): NUR 1006, NUR 1050, BIO 2101, ENG 1021, PSY 2440, HPR 1010, BIO 2102, MAT 1120, NUR 1009, NUR 1012 with a grade of "C" or better

Corequisite(s): NUR 2011, NUR 2012, and BIO 2116

NUR 2011 - Psychiatric - Mental Health Nursing

4 Credits

Develops concepts of psychosocial integrity and emphasizes the function and responsibility of nursing in promoting and maintaining mental health of individuals and families. This course emphasizes communication and caring through the application of the therapeutic relationship and nursing process in the care and treatment of common psychiatric clinical conditions/disorders. Note: This course was previously listed as NUR 211.

Prerequisite(s): NUR 1050, BIO 2101, ENG 1021, PSY 2440, HPR 1010, BIO 2102, MAT 1120, NUR 1009, NUR 1012 with a grade of "C" or better or Instructor's permission

Corequisite(s): NUR 2006, NUR 2012, and BIO 2116

NUR 2012 - Pharmacology II

2 Credits

Builds on previously introduced pharmacological concepts and applies that learning to pharmacologic therapy to provide safe, quality, evidence- based nursing care to patients with complex healthcare needs. Focuses on safety and quality improvement factors in the administration of medications within a variety of healthcare systems. Advanced dosage calculations included. Note: This course was previously listed as NUR 212.

Prerequisite(s): NUR 1050, BIO 2101, ENG 1021, PSY 2440, HPR 1010, BIO 2102, MAT 1120, NUR 1009, NUR 1012 with a grade of "C" or better

Corequisite(s): NUR 2006, NUR 2011, and BIO 2116

NUR 2016 - Advanced Concepts Medical-Surgical Nursing II

5 Credits

Builds on medical surgical nursing theory, mental health concepts, communication, collaboration, caring, and critical thinking/clinical judgment necessary for safe, person-centered nursing care to developmentally and culturally diverse, high acuity medical surgical adult patients. The course incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the professional nurse. The application of knowledge and skills occurs in the nursing skills laboratory and in a variety of clinical settings. Note: This course was previously listed as NUR 216.

Prerequisite(s): BIO 2116, NUR 2006, NUR 2011, NUR 2012, NUR 1006, NUR 1050, BIO 2101, ENG 1021, PSY 2440, HPR 1010, BIO 2102, MAT 1120, NUR 1009, NUR 1012 with a grade of "C" or better

Corequisite(s): NUR 2030

NUR 2030 - Transition to Professional Nursing Practice

4 Credits

Nursing 230 is a seminar and practice capstone course that provides an integrative experience applying all dimensions of the professional nurse in the care of diverse patient populations across a variety of healthcare settings. All major concepts of the nursing program are addressed. Leadership and the management of multiple patients are emphasized. Application of knowledge and skills occurs in the clinical setting to facilitate an effective transition from student to registered professional nurse. Note: This course was previously listed as NUR 230.

Prerequisite(s): BIO 2116, NUR 2006, NUR 2011, NUR 2012, NUR 1006, NUR 1050, BIO 2101, ENG 1021, PSY 2440, HPR 1010, BIO 2102, MAT 1120, NUR 1009, NUR 1012 with a grade of "C" or better

Corequisite(s): NUR 2016

NUR 3001 - Integration into Baccalaureate Nursing Practice

3 Credits

Explores professional nursing practice at the baccalaureate level. Focus is on knowledge and understanding of the professional nursing standards and the nursing role at a baccalaureate level. Note: This course was previously listed as NUR 301.

NUR 3002 - Trends in Nursing Practice

3 Credits

Examines current issues that nurses encounter in the health care environment including their roles and responsibilities within the nursing profession. Note: This course was previously listed as NUR 302.

Prerequisite(s): NUR 3001 with a grade of "C" or better

NUR 3003 - Nursing Research / Evidence Based Practice

3 Credits

Analyzes concepts associated with nursing research, collection, and analysis of data with emphasis on integration of evidenced-based practice within nursing. The course develops the skills for critiquing published research. Note: This course was previously listed as NUR 303.

Prerequisite(s): MAT 1260 and ENG 1022 with a grade of "C" or better

NUR 3004 - Informatics / Healthcare Technology

3 Credits

Explores concepts and applications related to the nurse's role in utilizing healthcare informatics involving patient care technology. This course will explore the impact of information management systems on the delivery of patient care, healthcare teams, and health outcomes. Note: This course was previously listed as NUR 304.

Prerequisite(s): NUR 3001 with a grade of "C" or better

NUR 3005 - Emergency Preparedness

3 Credits

Focuses on the nurse's roles and responsibilities in the most common types of disasters and how the nurse can deliver effective care in various emergency situations. Note: This course was previously listed as NUR 305.

Prerequisite(s): NUR 3001 with a grade of "C" or better

NUR 3006 - Gerontology Nursing

3 Credits

Focuses on optimizing health for the aging client within the framework of the nursing process. Emphasis is on supporting the unique needs of the aging population. Note: This course was previously listed as NUR 306.

Prerequisite(s): NUR 3001 with a grade of "C" or better

NUR 3007 - Behavioral Health

3 Credits

Provides an overview of behavioral health promotion for individuals, families, and populations with behavioral health concerns. The focus of the course will explore the nurse's impact on behavioral health trends. Note: This course was previously listed as NUR 307.

Prerequisite(s): NUR 3001 with a grade of "C" or better

NUR 4008 - Legal and Ethical Issues Related to Professional Nursing Practice

3 Credits

Emphasizes the ethical and legal obligations of professional nursing practice. The focus is on values clarification, ethical theory, and ethical decision making models. Additionally, legal issues related to healthcare will be explored. Note: This course was previously listed as NUR 408.

Required: Department Approval

NUR 4009 - Leadership in the Nursing Profession

3.5 Credits

Focuses on the role of the professional nurse as a leader within healthcare. The course integrates concepts needed to assume leadership and management positions in the healthcare environment. Note: This course was previously listed as NUR 409.

Required: Department Approval

NUR 4010 - Community Health Nursing/Practicum

6 Credits

Focuses on the role of the professional nurse in community-based practice settings, with an emphasis placed on health promotion, prevention, and optimal wellness of the community. Note: This course was previously listed as NUR 410.

Required: Department Approval

Prerequisite(s): Student must have completed their ADN degree and have RN license before starting NUR 409 and NUR 410.

NUR 4011 - Senior Seminar

3 Credits

Integrates theory into practice by building on previous concepts and knowledge. Note: This course was previously listed as NUR 411.

Prerequisite(s): NUR 4009 and NUR 4010 with a grade of "C" or better

Corequisite(s): NUR 4010

Prerequisite(s)/Corequisite(s):

NUR 4075 - Special Topics

3 Credits

Focuses on the role of the professional nurse in community-based practice (practicum component of NUR 410).

Prerequisite(s): NUR 3001, NUR 3002, NUR 3003

Occupational Safety Technician

OSH 1300 - 10-HR OSHA Voluntary Compliance

1 credit

Provides a 10-Hour OSHA certification course for general industry and participants will review the current OSHA standards contained in 29 CFR 1910. 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. Note: This course was previously listed as OSH 117.

OSH 1310 - 10-HR Construction Industry Standards

1 Credit

Provides a 10-Hour OSHA certification course for the construction industry and participants will review the current OSHA standards contained in 29 CFR 1926. Participants that complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by

instructors certified by the Occupational Safety and Health Administration.

Paralegal

PAR 1110 - Legal Analysis

3 Credits

Presents a basic course in legal authority and analysis. Note: This course was previously listed as PAR 110.

PAR 1114 - Computers and the Law

3 Credits

Provides students with an opportunity to develop computer skills needed in the legal environment, including software applications, spreadsheets, databases, and Internet research. Note: This course was previously listed as PAR 114.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 1115 - Introduction to Law

3 Credits

Introduces the United States (U.S.) legal system, legal terminology and concepts, and a variety of substantive areas of law. This course covers the role of paralegals and issues facing paralegals within the U.S. legal system. Note: This course was previously listed as PAR 115.

PAR 1116 - Torts

3 Credits

Focuses on tort law, including negligence, intentional torts, and strict liability. Note: This course was previously listed as PAR 116.

Corequisite(s): PAR 1110 and PAR 1115

PAR 1117 - Family Law

3 Credits

Emphasizes domestic relations law, including formation of marriage, dissolution of marriage and legal separation, child custody and support, adoption, and other family law issues. Note: This course was previously listed as PAR 117.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 1118 - Contracts

3 Credits

Examines the basic principles of contract law. Note: This course was previously listed as PAR 118.

Corequisite(s): PAR 1110 and PAR 1115

PAR 1125 - Property Law

3 Credits

Focuses on real estate law, ownership, sale, leasing, financing and government regulation of land. Note: This course was previously listed as PAR 125.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 1126 - Administrative Law

3 Credits

Introduces administrative and regulatory agencies, their jurisdiction, rule-making and decision-making processes. Note: This course was previously listed as PAR 126.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 1127 - Legal Ethics

3 Credits

Explores the parameters of professional responsibilities and value systems for paralegals and related occupations. Note: This course was previously listed as PAR 127.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as PAR 275.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as PAR 285.

Required: Department's permission

PAR 2087 - Cooperative Education

3 Credits

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. Note: This course was previously listed as PAR 287.

Prerequisite(s): PAR 1110, PAR 1115, PAR 1116, PAR 1118, and PAR 2201 with a grade of "C" or better

PAR 2201 - Civil Litigation

3 Credits

Presents fundamental concepts and procedures of civil litigation, including the Federal Rules of Civil Procedure and the Colorado Rules of Civil Procedure. This course explores the paralegal's role in civil litigation. Note: This course was previously listed as PAR 201.

Prerequisite(s): PAR 1110, PAR 1115 and PAR 1116 with a grade of "C" or better

PAR 2202 - Evidence

3 Credits

Introduces the student to State and Federal Rules of Evidence and application to the trial process. Note: This course was previously listed as PAR 202.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 2205 - Criminal Law

3 Credits

Introduces basic concepts of criminal law and criminal procedure, including Colorado statutes and Rules of Procedure. Note: This

course was previously listed as PAR 205.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 2206 - Business Organizations

3 Credits

Emphasizes the federal, state, and local laws impacting business organizations. This course focuses on the creation, maintenance, and dissolution of the major types of business organizations. Note: This course was previously listed as PAR 206.

Prerequisite(s): PAR 1110, PAR 1115, and PAR 1118 with a grade of "C" or better

PAR 2207 - Current Issues in the Law

3 Credits

Provides an understanding of the current legal issues and trends applicable to the law. Note: This course was previously listed as PAR 207.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 2208 - Probate and Estates

3 Credits

Provides an understanding of the creation and administration of an estate, including wills and trusts and the probate process. Note: This course was previously listed as PAR 208.

Prerequisite(s): PAR 1110, PAR 1115, and PAR 1125 with a grade of "C" or better

PAR 2211 - Legal Research

3 Credits

Introduces the student to basic legal research tools, including statutes, digests, case law, citators, encyclopedias, dictionaries, and online data bases. Note: This course was previously listed as PAR 211.

Prerequisite(s): PAR 1110, PAR 1115, PAR 1116, and PAR 1118 with a grade of "C" or better

PAR 2216 - Employment Law

3 Credits

Examines the common law and statutory development of employment law in the United States. This course focuses on current issues prevalent within employment law. Note: This course was previously listed as PAR 216.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 2217 - Environmental Law

3 Credits

Covers state and federal laws concerning the environment, including chemical safety laws, workplace safety, and hazardous waste. Note: This course was previously listed as PAR 217.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 2218 - Bankruptcy Law

3 Credits

Focuses on the federal and state laws and

procedures involving bankruptcy. Note: This course was previously listed as PAR 218.

Prerequisite(s): PAR 1110, PAR 1115, and PAR 1118 with a grade of "C" or better

PAR 2219 - E-Discovery and Litigation Technology

3 Credits

Provides students with an understanding of the discovery process of electronically stored information (ESI) issues and software relating to complex litigation. Note: This course was previously listed as PAR 219.

Prerequisite(s): PAR 1110, PAR 1114, PAR 1115, PAR 1116, and PAR 2201 with a grade of "C" or better

PAR 2227 - Immigration Law

3 Credits

Explores the historical evolution of immigration law within the United States. This course examines contemporary immigration law and policy in the United States. Note: This course was previously listed as PAR 227.

Prerequisite(s): PAR 1110 and PAR 1115 with a grade of "C" or better

PAR 2228 - Intellectual Property

3 Credits

Covers the federal and state laws regarding intellectual property. Note: This course was previously listed as PAR 228.

Prerequisite(s): PAR 1110, PAR 1115 and PAR 1118 with a grade of "C" or better

Pharmacy Technician

PHT 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as PHT 275.

PHT 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as PHT 285.

Required: Instructor's permission

Philosophy

PHI 1011 - Introduction to Philosophy: GT-AH3

3 Credits

Introduces significant human questions and emphasizes understanding the meaning and methods of philosophy. Includes human condition, knowledge, freedom, history, ethics, the future, and religion. Note: This course was previously listed as PHI 111.

PHI 1012 - Ethics: GT-AH3

3 Credits

Examines human life, experience, and thought to discover and develop the principles and values for pursuing a more fulfilled existence. This course examines ethical theories designed to both justify

moral judgments, as well as apply these ethical theories to a selection of personal and social issues in the world today. This is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 112.

PHI 1013 - Logic: GT-AH3

3 Credits

Studies effective thinking using language-oriented logic. Provides tools and develops skills for creative and critical thinking and the formal analysis of arguments. Emphasizes the development of decision-making and problem-solving.~~This is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 113.

PHI 1014 - Comparative Religions: GT-AH3

3 Credits

Introduces the major religions of the Eastern and Western world. Covers Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity, and Islam. Utilizes methods of religious studies to understand the historical development of each religious tradition as well its worldview and teachings. This is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 114.

PHI 1015 - World Religions - West: GT-AH3

3 Credits

Introduces students to religions of the Western World: Judaism, Christianity, and Islam. Utilizes the methods of religious studies 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 is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 115.

PHI 1016 - World Religions - East: GT-AH3

3 Credits

Introduces the major religions of the Eastern World: Hinduism, Buddhism, Confucianism, and Daoism. Utilizes the methods of religious studies 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 is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 116.

PHI 2005 - Business Ethics: GT-AH3

3 Credits

Examines major ethical theories and then applies ethical decision-making criteria to various moral issues and challenges in a business environment. This course will include issues such as job discrimination, worker's rights, consumerism, advertising,

whistle-blowing, product safety, responsibility to the environment, as well as compassionate and fair responsibility to society. This is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 205.

PHI 2013 - Symbolic Logic: GT-AH3

3 Credits

Covers basic information in semantics and syntax of sentential and predicate logic, construction of truth trees, and derivations of natural deductive systems. This is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 213.

PHI 2014 - Philosophy of Religion: GT-AH3

3 Credits

Focuses on the critical analysis and evaluation of the fundamental concepts, ideas, and implications within religious worldviews. This course includes issues such as the nature of God, other conceptions of ultimate reality, arguments concerning God`s existence, the problem of evil and suffering, faith and reason, metaphysical foundations for ethics, the phenomenon of religious experience, and religious diversity. This is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 214.

PHI 2016 - Philosophy of Atheism

3 Credits

Focuses on the critical examination of the fundamental concepts, ideas, history and implications of atheism. Includes the nature of atheism, the varieties of atheistic viewpoints, arguments warranting the atheistic viewpoints, including the differences between faith and reason, religion and secular humanism, and the connection between atheism and ethics. Note: This course was previously listed as PHI 216.

PHI 2018 - Environmental Ethics GT-AH3

3 Credits

Analyzes theories of the value of the natural world. Topics may include the relation between scientific and moral principles; theories of the moral worth of persons, animals, plants, and other natural objects; historical, religious, and cultural influences on conceptions of nature; alternative accounts of human relationships and responsibilities to nature; and the connection between moral and political values and economic policies. This is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 218.

PHI 2020 - Philosophy of Death and Dying: GT-AH3

3 Credits

Explores the major philosophical questions surrounding death and dying, the metaphysical arguments for and against the existence of the soul, life after bodily death, the major ethical theories and their relation to issues of physician-assisted suicide, care for the dying, the grieving process, death as expressed in aesthetics and contemporary society, as well as the existential contributions concerning meaning of life and

the meaning of death. This is a statewide Guaranteed Transfer course in the GT-AH3 category. Note: This course was previously listed as PHI 220.

PHI 2050 - Eastern Wisdom

3 Credits

Covers fundamental theories of Indian, Chinese, Japanese, and Muslim metaphysics, epistemology, ethics, and aesthetics, focusing on the development of Hinduism, Buddhism, Confucianism, Taoism, Shintoism, as well as Islam's development in the East. Note: This course was previously listed as PHI 250.

PHI 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as PHI 275.

PHI 2085 - Independent Study

1-6 Variable Credits

Focuses on directed readings and independent study on specific philosophical topics. Note: This course was previously listed as PHI 285.

Required: Instructor's permission

Photography

PHO 1001 - Professional Photography I

3 Credits

Introduces black and white photography as a fine art medium and develops skills necessary for basic camera and lab operations. PHOTOGRAPHY (FINE ART) CLASSES ARE LISTED UNDER ART. Note: This course was previously listed as PHO 101.

PHO 1021 - Image Capture I

3 Credits

Explores the fundamental operations of professional digital cameras. The correlation of these operations, and their technical and aesthetic results, are explored in visual assignments and evaluated through in-depth critique. Note: This course was previously listed as PHO 121.

Prerequisite(s):

Corequisite(s): PHO 1061

PHO 1022 - Image Capture II

3 Credits

Emphasizes professional digital camera operation using advanced controls and application of camera techniques such as exposure, flash technique, tethered capture, time-lapse, and motion-based capture. The techniques utilize visual communication tools in order to clearly convey photographic intent. Note: This course was previously listed as PHO 122.

Prerequisite(s): PHO 1021 and PHO 1061

Corequisite(s): PHO 1062

PHO 1043 - Perception & Photography I

3 Credits

Presents the fundamentals of the psychology of perception, and its role in understanding the visual arts using photography. The course covers a variety of concepts that aid in the design, creation, interpretation, and evaluation of images. This course also covers the role of images in influencing thoughts and desires. Note: This course was previously listed as PHO 143.

Prerequisite(s): PHO 1020, PHO 1021, or ART 1041

PHO 1044 - Perception & Photography II

3 Credits

This course moves the foundation of aesthetic principles into a more advanced stage. Through the use of historical examples, students will create images that employ the same visual and philosophical concerns of their predecessors in photographic history. This course is fundamentally a photography history shooting class. Note: This course was previously listed as PHO 144.

Prerequisite(s): PHO 1043

PHO 1061 - Digital Capture Processing I

3 Credits

Teaches digital imaging workflow from capture to output. Including structuring and organizing large image libraries as well as parametric image editing for a variety of outputs and delivery formats. Note: This course was previously listed as PHO 161.

Corequisite(s): PHO 1021

PHO 1062 - Digital Capture Processing II

3 Credits

Teaches intermediate to advanced digital imaging workflow and processing with a primary focus on creative control of image manipulation. Topics include: integrated non-destructive workflow that moves between parametric and pixel editing software, color systems, color grading, compositing and working with multiple images utilizing layers, creating motion based content from still imagery, digitizing analog materials, retouching and restoring images. Note: This course was previously listed as PHO 162.

Prerequisite(s): PHO 1021 and PHO 1061

Corequisite(s): PHO 1022

PHO 2004 - Commercial Studio Lighting

3 Credits

Covers the creative uses of studio practices as they apply to commercial photography by integrating analysis of the content, concept, lighting schemes, and composition to effectively assist and produce professional imagery. Note: This course was previously listed as PHO 204.

Prerequisite(s): PHO 1021

PHO 2032 - Professional Portraiture

3 Credits

Covers the principles of studio and location portrait photography while exploring its history, career paths, current trends, and best business practices. Note: This course was previously listed as PHO 232.

Prerequisite(s): PHO 2004 OR PHO 2037 OR ART 2045

PHO 2035 - Architectural Photography

3 Credits

Covers the more advanced aspects of commercial/ architectural photography. Students will explore photographing subjects ranging from products to buildings with an emphasis on meeting the design demands of commercial clients, stock agencies and publishers. Various film types, formats and print reproduction aspects will be explored in depth. Note: This course was previously listed as PHO 235.

Prerequisite(s): PHO 2004 or (ART 1401 and PHO 2005)

PHO 2037 - Advanced Lighting Technique

3 Credits

Emphasizes advanced lighting techniques for studio and location situations. Use of power pack, mono-block and small system strobe lighting will be emphasized. Controlling lighting conditions in mixed light situations for a variety of photographic fields including commercial, editorial, advertorial, portrait and events is covered. Note: This course was previously listed as PHO 237.

Prerequisite(s): PHO 2004 or ((PHO 1020 or ART 1401) and co-requisite ART 2405)

PHO 2044 - New Media Storytelling

3 Credits

Introduces the student to new media with an emphasis in storytelling. This course will give students hands on experience in the storytelling aspect of this 21st century medium. Students will create projects that utilize multi image photographic skills, audio gathering, video capture, editing video, animation, and text. Students interested in this course should have prior experience with a wide variety of input devices and software. The approach for this course is diverse in order to include editorial and commercial uses of new media for the web. Students will create still photographs and video to communicate ideas in a rich media environment using appropriate software. Note: This course was previously listed as PHO 262.

Prerequisite(s): PHO 1022 and PHO 2004

PHO 2052 - Glamour & Fashion Photography

3 Credits

Introduces students to the technical and aesthetic aspects of studio and location portrait photography in the areas of glamour, beauty, and fashion photography. Course topics include:

strobe lighting, lighting styles, studio and location lighting, past and current trends in the industry, creativity and posing. Career paths in the field of glamour, beauty and fashion photography are also covered. Note: This course was previously listed as PHO 233.

Prerequisite(s): PHO 2004

PHO 2053 - Food Photography

3 Credits

Introduces students to the technical and aesthetic aspects of photographing food. Topics range from details and dinner settings, to splash photography. Course topics include: advanced lighting techniques with natural light and studio strobe lighting, and food and prop styling. Note: This course was previously listed as PHO 253.

Prerequisite(s): PHO 2004

PHO 2059 - Extreme Adventure Photography

3 Credits

Introduces students to tools and techniques that will allow them to capture exciting, high quality professional images of a variety of outdoor adventure activities in physically demanding environments. Students enrolling in this course should be physically prepared to engage in extreme adventures. Examples include rodeos, rappelling, mountain biking, kayaking and white water rafting, rock crawling, or any other extreme activities. This course will take advantage of local events/competitions and outdoor activities during field trips. No 259.te: This course was previously listed as PHO 259.

Prerequisite(s): PHO 1022

PHO 2060 - Events and Wedding Photography

3 Credits

Presents skills for the intermediate/advanced photo student interested in learning the professional techniques associated with events (venue) and wedding photography. There will be an emphasis on advanced camera and flash techniques, candid, formal and ceremonial photography. Business and planning aspects will also be covered. Topics covered will include Weddings, Barmitzvah/Basmitzvah, Music Concerts, Sporting Events, Graduations and similar occasions. Students will gain hands-on knowledge and learn practical shooting skills. Note: This course was previously listed as PHO 260.

Prerequisite(s): PHO 2004 or ART 2405

PHO 2063 - Digital Capture Processing III

3 Credits

This course will introduce advanced techniques in post-processing of digital captures. Various workflows for different photographic professions will be emphasized in this class. Image

management with special software designed for the professional photographer is also included. Refinement of printing techniques and an introduction to theories of color management will also be covered. Note: This course was previously listed as PHO 263.

Prerequisite(s): PHO 1062 or (PHO 2026 and PHO 2005)

PHO 2075 - Special Topics

3 Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as PHO 275.

PHO 2080 - Internship

3 Credits

Provides students with the opportunity to supplement course work with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor/coordinator. Note: This course was previously listed as PHO 280.

PHO 2187 - Business of Photography

3 Credits

Creates a foundation for freelance work, business practices, procedures, and models unique to a career in photography. Course topics include determining price structures, examining varying forms of photography based on students' career plans, equipment and studio needs, business forms, business planning, tax structure, licenses and registration, and self-promotion. The course may include visits by professionals in the field and discussion of career opportunities. Note: This course was previously listed as PHO 269.

Prerequisite(s): PHO 1020 or PHO 1022

PHO 2188 - Portfolio and Career Exploration

3 Credits

Focuses on the creation of professional visual portfolio(s) and promotional pieces with techniques, styles, and formats appropriate for a photographic career. Note: This course was previously listed as PHO 268.

Prerequisite(s): PHO 2187

Corequisite(s): PHO 2187

Physical Education

PED 1002 - Weight Training I

1 Credit

Offers basic instruction and practice in weight training. Students utilize weight training equipment in accordance to their abilities and goals. Emphasizes weight training equipment orientation, correct lifting techniques, and basic program design for men and women. 30 contact hours. Note: This course was previously listed as PED 102.

PED 1010 - Fitness Center Activity I

1 Credit

Focuses on improving total fitness via an aerobic circuit training program. Includes an individual fitness evaluation, computerized analysis of results, and a prescribed exercise program. Covers the basic components of fitness including flexibility, muscular strength, muscular endurance, cardiovascular fitness, and body composition. Weight machines, stationary bicycles, and computerized cardiovascular equipment are incorporated to elicit improvements in fitness. Note: This course was previously listed as PED 110.

Physical Therapist Assistant

PTA 1010 - Basic Patient Care in Physical Therapy

5 Credits

Examines the basic patient care skills for the healthcare practitioner. Enables the student to gain an understanding and demonstrate skills that include positioning, body mechanics, transfers, range of motion, palpation, vital signs, aseptic techniques, bandaging, intermittent venous compression, medical terminology, activities of daily living, wheelchair management, architectural barriers, and gait training. Note: This course was previously listed as PTA 110.

Required: Admission to PTA program or Instructor's permission

Prerequisite(s): Admission into the PTA Program

PTA 1015 - Principles and Practices in Physical Therapy

2 Credits

Explores the history of the profession including definition, development and areas of practice. The role of the APTA, the physical therapist assistant and the relationship between the physical therapist, PTA and other health care professionals are investigated. Includes current issues and trends including professionalism, ethics, quality assurance, communications and reimbursement issues such as Medicare, Medicaid, Worker's Compensation and commercial insurance. Note: This course was previously listed as PTA 115.

PTA 1017 - Anatomical Kinesiology Lab

2 Credits

Provides hands on opportunities for practical application of the theoretical principles of anatomical kinesiology. Note: This course was previously listed as PTA 117.

Prerequisite(s): BIO 2101

Corequisite(s): HPR 1017

PTA 1020 - Modalities in Physical Therapy

5 Credits

Examines the theory and principles of physical therapy modalities. This course includes therapeutic heat and cold, traction, hydrotherapy, and light therapies. Note: This course was previously listed as PTA 120.

Prerequisite(s): PTA 1010

PTA 1024 - Rehab Principles of Medical I

2 Credits

Investigates the impairments, functional limitations, and disabilities resulting from a variety of neuromusculoskeletal conditions. The medical management including pharmacology, and its impact on physical therapy rehab principles are discussed. Evidence based practice for musculoskeletal and neurological system diagnosis, will be reviewed as they relate to physical therapy rehab. Note: This course was previously listed as PTA 124.

Prerequisite(s): Admission into the PTA Program

PTA 1031 - Professional Communication I

1 Credit

Introduces oral and written professional communication in the physical therapy field. This course develops skills in verbal and non-verbal communication, performance evaluation, literature research, and presentation, use of editorial style and technology, and development of professional behaviors. Note: This course was previously listed as PTA 131.

Prerequisite(s): Admission into the PTA Program

PTA 1034 - Rehabilitation Principles of Medical Management II

2 Credits

Investigates the functioning, disabilities and health associated with a variety of pathophysiological processes and conditions. Medical management, including pharmacology, and its impact on physical therapy rehab principles are discussed. Evidence based practice for cardiovascular, endocrine/metabolic, gastrointestinal, genital/reproductive, hematologic, immune, integumentary, hepatic/biliary, lymphatic, and respiratory system diagnoses as well as chronic pain diagnoses and common medical and surgical conditions will be reviewed as they relate to physical therapy rehab. Note: This course was previously listed as PTA 134.

Prerequisite(s): Admission into the PTA Program

PTA 1035 - Principles of Electrical Stimulation

2 Credits

Investigates the principles and application of electrical stimulation (ES) modalities currently used in physical therapy practice. Enables the student to understand the electrochemical and physiological effects of electrical stimulation and identify the various forms and applications of ES. Required: Admission to the PTA program. Note: This course was previously listed as PTA 135.

Required: Admission to the PTA program

Prerequisite(s): PTA 1010

PTA 1040 - Clinical Kinesiology

5 Credits

Focuses on the science of human motion, theories of biomechanics and muscle/joint

structure and function. Emphasizes basic principles of therapeutic exercise and their application to specific body regions. A laboratory experience that includes the application of kinesiology and exercise principles is integrated in the learning experience. Note: This course was previously listed as PTA 140.

Prerequisite(s): HPR 1017 or PTA 1018

PTA 1041 - Professional Communication II

1 Credit

Explores medical documentation of patient care as used in the profession of physical therapy throughout multiple practice settings. This course develops physical therapy documentation skills that use standardized formats and meet requirements of various payer sources and settings. Note: This course was previously listed as PTA 141.

Prerequisite(s): PTA 1031

PTA 1075 - The Language of Physical Therapy

1 Credit

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as PTA 175.

PTA 1076 - Special Topics

1-6 Credits

Provides students with a vehicle to pursue in depth exploration of special topics of interest. Note: This course was previously listed as PTA 176.

PTA 2005 - Psychosocial Issues In Health Care

2 Credits

Explores the psychosocial aspects of the patient/client and health care practitioner. Investigates recognition of and adjustment for psychological, sociological, educational, cultural, economic and political concerns on the delivery of health care services. Communication skills and social and advocacy responsibilities of the health care practitioner are discussed. Enables the student to develop the skills to meet expectations and needs of members of society receiving health care services. Note: This course was previously listed as PTA 205.

Prerequisite(s): PTA 2080

PTA 2030 - Orthopedic Assessment and Management Techniques

5 Credits

Examines the theory and principles and practices of orthopedic conditions. Includes an understanding of assessment and management techniques pertaining to orthopedic conditions, goniometry, manual muscle testing, gait analysis, and posture analysis. Note: This course was previously listed as PTA 230.

Prerequisite(s): PTA 1020 and PTA 1040

PTA 2040 - Neurological Assessment and Management Techniques

5 Credits

Examines the theory and principles of physical therapy with an introduction to

assessment, management techniques and advanced physical therapy procedures as they relate to neurologic, cardiac and pulmonary conditions. Note: This course was previously listed as PTA 240.

Prerequisite(s): PTA 1020 and PTA 1040

PTA 2078 - PTA Seminar

2 Credits

Provides a summary of all coursework, internships and prepares the student for transition into the workforce as an entry level PTA. It includes a comprehensive review and mock exam in preparation for the national PTA exam, employment benefits, licensing, state practice act review, professional development, employment opportunities and community service. Note: This course was previously listed as PTA 278.

Prerequisite(s): PTA 2030 and PTA 2080

PTA 2080 - PTA Internship I

4 Credits

Focuses on an initial clinical exposure providing hands on patient practicum skills and techniques. Includes application of basic patient care skills including transfers, range of motion, modalities, bandaging, aseptic techniques, and gait training. Students demonstrate professional behavior and communication principles appropriate in the physical therapy setting. A designated clinical Instructor in an acute care, geriatric, or outpatient setting provides supervision. Note: This course was previously listed as PTA 280.

Prerequisite(s): PTA 1020 and PTA 1040

PTA 2081 - PTA Internship II

5 Credits

Focuses on an intermediate clinical experience providing hands on patient practicum skills and techniques. Includes continued application of physical therapy procedures of Internship I with the addition of therapeutic exercise, goniometry, manual muscle testing, and motor learning techniques. Students demonstrate professional behavior and communication principles appropriate in the physical therapy setting. A designated clinical Instructor in an acute care, rehabilitation, outpatient, geriatric, or home health setting provides supervision. During the internship, the student presents an in-service on a physical therapy related topic. Note: This course was previously listed as PTA 281.

Prerequisite(s): PTA 2080, PTA 2030

Corequisite(s): PTA 2030

Prerequisite(s)/Corequisite(s):

PTA 2082 - PTA Internship III

5 Credits

Incorporates advanced clinical experience providing hands on patient practicum skills and techniques. Students refine all physical therapy skills in preparation to enter the field as an entry-level physical therapist assistant. This final experience includes independent practice with an assigned caseload under the on-site supervision of a clinical Instructor. The student presents an in-service on a physical therapy related topic. Note: This course was previously listed as PTA 282.

Prerequisite(s): PTA 2040 and PTA 2081

PTA 2085 - Independent Study

1-6 Variable Credits

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

Physics

PHY 1105 - Conceptual Physics w/Lab: GT-SC1

4 Credits

Focuses on mechanics, heat, properties of matter, electricity and magnetism, and light. Incorporates laboratory experience. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as PHY 105.

Prerequisite(s): College Readiness in English and Quantitative Literacy Math

PHY 1111 - Physics: Algebra-Based I: With Lab: GT-SC1

5 Credits

The physics of mechanics and requires application of classical physics to both mathematical and conceptual problems. This course includes kinematics in one and two dimensions, Newton's Laws, circular motion, work and energy, impulse and momentum, rotational mechanics, and simple harmonic motion. This is a statewide Guaranteed Transfer course in the GT-SCI category. Note: This course was previously listed as PHY 111.

Prerequisite(s): MAT 1340

PHY 1112 - Physics: Algebra-Based II with Lab: GT-SC1

5 Credits

The physics of electricity and magnetism and requires application of classical physics to both mathematical and conceptual problems. This course covers Direct Current (DC) circuits involving resistors, capacitors, and batteries. This course also covers traveling and standing waves, electromagnetic waves, and geometric optics. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as PHY 112.

Prerequisite(s): PHY 1111

PHY 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as PHY 275.

PHY 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as PHY 285.

Required: Instructor's permission

PHY 2111 - Physics: Calculus-Based I with Lab: GT-SC1

5 Credits

Covers the physics of kinematics, dynamics, and conservation laws and requires application of classical physics to both mathematical and conceptual problems. Specific concepts covered include 1D and 2D kinematics, Newton's Laws, rotational motion, energy and work, momentum and impulse, and simple harmonic motion. This course may also cover thermodynamics and fluid mechanics. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as PHY 211.

Prerequisite(s): MAT 2410

PHY 2112 - Physics: Calculus-Based II With Lab: GT-SC1

5 Credits

Covers the physics of electricity and magnetism using conceptual and mathematical reasoning, including calculus. Maxwell's equations, waves, and time-varying circuits will be covered. Optional topics include wave and geometric optics and AC circuits. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as PHY 212.

Prerequisite(s): PHY 2111

Corequisite(s): MAT 2420

PHY 2113 - Physics III: Calculus-Based Modern Physics

3 Credits

Expands upon PHY 2112 and explores twentieth century advances in physics. Topics may include special and general relativity, quantum theory, atomic physics, solid state physics, nuclear physics, semiconductor physics and cosmology. Note: This course was previously listed as PHY 213.

Prerequisite(s): PHY 2112 and MAT 2420

Political Science Course

PSC 1011 - American Government: GT-SS1

3 Credits

Explores the origins, development, structure, and functions of the American Constitution and national government. This course examines federalism, civil liberties, civil rights, electoral processes, and mechanisms of civic participation and influence. This is a statewide Guaranteed Transfer course in the GT-SS1 category. Note: This course was previously listed as POS 1011.

PSC 1025 - American State & Local Government GT-SS1

3 Credits

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 is a statewide Guaranteed Transfer course in

the GT-SS1 category. Note: This course was previously listed as POS 1025.

PSC 1050 - Current Political Issues GT-SS1

3 Credits

Incorporates an in-depth analysis of the background and nature of political issues and themes. This course is statewide Guaranteed Transfer course in the GT-SS1 category. Note: This course was previously listed as POS 215.

PSC 2005 - International Relations: GT-SS1

3 Credits

Examines the interactions among various levels of actors in the international system. This course attempts to explain behaviors across state boundaries. This is a statewide Guaranteed Transfer course in the GT-SS1 category. Note: This course was previously listed as POS 2005.

PSC 2020 - Introduction to Political Science: GT-SS1

3 Credits

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 is a statewide Guaranteed Transfer course in the GT-SS1 category. Note: This course was previously listed as POS 105.

PSC 2025 - Comparative Government: GT-SS1

3 Credits

Examines domestic political systems, developments, themes, and events across countries and regions while applying the comparative method to identify similarities and differences. This is a statewide Guaranteed Transfer course in the GT-SS1 category. Note: This course was previously listed as POS 2025.

PSC 2075 - Special Topics

1-6 Variable Credits

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Note: This course was previously listed as POS 2075.

PSC 2085 - Independent Study

1-6 Variable Credits

To be determined by the individual instructor. A Course Description will be developed for each course and documented within the course syllabus. Note: This course was previously listed as POS 2085.

Required: Instructor's permission

Process Technology

Process Operations within the process industry

PRO 2800 - Quality in Process Technology

3 credits

Provides an introduction to the field of

Quality within the Process Industry. This course will introduce many process industry-related quality concepts including operating consistency, continuous improvement, plant economics, team skills and statistical process control (SPC). Note: This course was previously listed as PRO 230.

Prerequisite(s): MAT 1150

Psychology

PSY 1001 - General Psychology I: GT-SS3

3 Credits

Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 101.

Prerequisite(s): College Readiness in English

PSY 1002 - General Psychology II: GT-SS3

3 Credits

Focuses on the scientific study of behavior including cognition, language, intelligence, psychological assessment, personality, abnormal psychology, therapy, life span development, sex, gender, sexuality, and social psychology. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 102.

Prerequisite(s): College Readiness in English

PSY 1016 - Stress Management

3 Credits

Identifies the physiological, emotional, and behavioral aspects of stress. Techniques of stress reduction and management are explored and applied, including nutrition, exercise, assertiveness, time management, and financial management. Note: This course was previously listed as PSY 116.

PSY 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as PSY 275.

Prerequisite(s): College Readiness in English

PSY 2085 - Independent Study

1-6 Variable Credits

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as PSY 285.

Required: Instructor's permission

PSY 2105 - Psychology of Gender: GT-SS3

3 Credits

Examines gender comparisons in work, courtship, family life, and sexual behavior throughout the life span. This is a statewide

Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 205.

PSY 2107 - Human Sexuality: GT-SS3

3 Credits

Surveys physiological, psychological, and psychosocial aspects of human sexuality. Topics include relationships, sexual identity, and sexual health. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 217.

PSY 2220 - Dynamics of Racism & Prejudice

3 Credits

Focuses on early race relations in the United States, the development of prejudicial attitudes and the social impact, and strategies for positive change.

PSY 2221 - Social Psychology: GT-SS3

3 Credits

Focuses on the behavior of humans in a wide variety of social settings and the social influences humans have on each other in those settings. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 226.

PSY 2331 - Positive Psychology: GT-SS3

3 Credits

Focuses on human strengths and explores strengths-based research and concepts of life satisfaction, well-being, happiness, helpfulness, resiliency, post-traumatic growth, and improving emotional, psychological, and social functioning.

PSY 2333 - Health Psychology: GT-SS3

3 Credits

Focuses on an overview of the scientific study of attitudes, behaviors, and personality variables related to health, illness, and bodily systems. The course emphasizes the interaction of biological, psychological, and social factors that cause illness and influence its treatment and prevention. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 240.

PSY 2440 - Human Growth and Development: GT-SS3

3 Credits

Examines human development from conception through death, emphasizing physical, cognitive, emotional, and psychosocial factors. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 235.

PSY 2441 - Child Development: GT-SS3

3 Credits

Focuses on the growth and development of the individual, from conception through childhood, emphasizing physical, cognitive, emotional, and psychosocial factors. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 238.

PSY 2442 - Child and Adolescent Psychology

3 Credits

Explores human development from conception through adolescence, emphasizing physical cognitive, emotional, and psychosocial factors. Note: This course was previously listed as PSY 237.

PSY 2552 - Psychopathology: GT-SS3

3 Credits

Examines psychopathology and its classification, causes, treatment, and prevention. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as PSY 249.

PSY 2661 - Brain and Behavior: GT-SS3

3 Credits

Introduces the study of the relationship between brain and behavior. Modern research methods and ethics in the study of brain and behavior are examined. This course applies neuroanatomy and neurophysiology, related to human mental experience and behavior, are also considered. Applies neuroscience concepts to understand and intervene in human behaviors and psychological disorders. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

PSY 2770 - Intro Forensic Psychology

3 Credits

Provides an overview of forensic psychology. This course explores both current research and practice in police psychology, criminal psychology, victimology, correctional psychology, and the interface of psychology and the courts. This course facilitates an understanding of the numerous careers related to forensic psychology and how to prepare for them. Note: This course was previously listed as PSY 207.

PTE 1010 - Introduction to Behavioral Healthcare and Wellness

3 Credits

Explores basic principles of behavioral health and wellness care in behavioral health settings. This course develops interpersonal and technical skills while working with clients in psychiatric care settings.

Public Health

Public Health

PBH 2015 - Introduction to Public Health: GT-SS3

4 Credits

Introduces core concepts of public health and explores the importance of health promotion and disease prevention. This course includes the history of the field, application of public health practice with emphasis on prevention, tools, and techniques examined through an understanding of the social determinants of health.

Russian

RUS 1011 - Russian Language I

5 Credits

Begins a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the Russian language. Note: The order of the topics and methodology will vary according to individual texts and instructors. Note: This course was previously listed as RUS 111.

RUS 1012 - Russian Language II

5 Credits

Continues Russian I in the development of functional proficiency in listening, speaking, reading and writing the Russian language. Note: The order of the topics and the methodology will vary according to individual texts and instructors. Note: This course was previously listed as RUS 112.

Prerequisite(s): RUS 1011

Science

SCI 1055 - Integrated Science I - Physics and Chemistry: GT-SC1

4 Credits

Examines the nature of energy and matter, their interactions and changes, and the application of fundamental concepts to the study of our natural world. These concepts will be explored in hands-on laboratory experiments. This course integrates the fundamental concepts and ideas about the nature of physics and chemistry with the natural world. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as SCI 155.

Prerequisite(s): College Readiness in English and (MAT 1150 or MAT 1220 or higher)

SCI 1056 - Integrated Science II - Earth and Life Science: GT-SC1

4 Credits

Examines earth and biological systems, living and non-living environments, through the application of fundamental energy and matter concepts. These systems and concepts will be explored in hands-on laboratory experiments. This is a statewide Guaranteed Transfer course in the GT-SC1 category. Note: This course was previously listed as SCI 156.

Prerequisite(s): College Readiness in English and (MAT 1150 or MAT 1220 or higher)

Social Work

SWK 1100 - Social Welfare and Community Agencies with Service Learning

3 Credits

Provides a community oriented, service-related, and civic engagement experience from a social work perspective. The course requires at least 30 hours of service to a pre-approved community organization to enhance academic and civic learning, and covers social problems addressed by the organization. The course integrates social justice, socioeconomic, and political issues to personal and professional development within the field of social work.

Sociology

SOC 1001 - Introduction to Sociology I: GT-SS3

3 Credits

This course examines the basic concepts, theories, and principles of sociology, including topics of culture, race, class, gender, sexuality, social groups, and deviance through a local and global lens. Analyzes and interprets socio-historic as well as contemporary issues by using critical thinking skills and linking individual experiences to social structures. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as SOC.

Prerequisite(s): College Readiness in English

SOC 1002 - Introduction to Sociology II: GT-SS3

3 Credits

Examines the basic concepts, theories, and principles of sociology, including topics of family, religion, education, politics, the economy, health, demography, the environment and social movements through a local and global lens. Analyzes and interprets socio-historical as well as contemporary issues by using critical thinking skills and linking individual experiences to social structures. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as SOC 102.

Prerequisite(s): College Readiness in English

SOC 2005 - Sociology of Family Dynamics: GT-SS3

3 Credits

Offers a critical exploration of marriage, family and kinship. It examines the family as an institution and how social, cultural and personal factors influence family relations locally and globally. Explores the stability and evolution of the family, along with current trends and a range of family forms. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as SOC 205.

Prerequisite(s): College Readiness in English

SOC 2007 - Environmental Sociology: GT-SS3

3 Credits

Examines how humans' relationship with the environment is mediated by social stratification. Key topic areas include industrial and economic growth versus sustainability, natural resources development and management, cultural values, social movements, and comparative perspectives on people's relationship to the environment. Note: This course was previously listed as SOC 207.

Prerequisite(s): College Readiness in English

SOC 2018 - Sociology of Diversity: GT-SS3

3 Credits

Explores differences based on race, ethnicity, social class, gender, age, ability

status, and sexual identity. Critically examines the dynamics of intergroup relations and how social construction of these differences can lead to patterns of prejudice, discrimination, and inequality nationally and globally. Note: This course was previously listed as SOC 218.

Prerequisite(s): College Readiness in English

SOC 2020 - Sociology of Religion: GT-SS3

3 Credits

Further explores the study of the sociology of religion. Analyzes the socially constructed definition of religion, the forms religion takes in various societies, the impact religion has on local and global societies and social institutions and the many ways in which people shape, maintain or disassemble religious structures. This course is one of the Statewide Guaranteed Transfer courses. Note: This course was previously listed as SOC 220.

Prerequisite(s): College Readiness in English

SOC 2031 - The Sociology of Deviant Behavior: GTSS3

3 Credits

Critically examines various deviant categories and societal reactions to deviance affecting diverse populations. Examines how sociologists study deviance and the theories they use to explain it. Explains the ways social institutions define deviance and attempt to control, change, or treat those deviant behaviors, attitudes, and conditions. This is a statewide Guaranteed Transfer course in the GT-SS3 category. Note: This course was previously listed as SOC 231.

Prerequisite(s): College Readiness in English

SOC 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as SOC 275.

SOC 2085 - Independent Study

1-6 Variable Credit

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified Instructor. Note: This course was previously listed as SOC 285.

Spanish

SPA 1001 - Conversational Spanish I

3 Credits

This course presents introductory Spanish conversation skills necessary to navigate everyday situations and travel. This course is intended for language learners with little or no prior experience. Note: This course was previously listed as SPA 101.

SPA 1002 - Conversational Spanish II

3 Credits

This course builds upon basic Spanish conversation skills necessary to navigate everyday situations and travel. Note: This course was previously listed as SPA 102.

SPA 1011 - Spanish Language I: GT-AH4

5 Credits

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. **Note:** The order of the topics and methodology will vary according to individual texts and Instructors. Note: This course was previously listed as SPA 111.

SPA 1012 - Spanish Language II: GT-AH4

5 Credits

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. **Note:** The order of the topics and the methodology will vary according to individual texts and Instructors. Note: This course was previously listed as SPA 112.

Prerequisite(s): SPA 1011

SPA 1014 - Fast-Track Spanish I and II

5 Credits

Designed to bridge beginning SPA courses with intermediate SPA courses. It is designed for students who have studied two years of the target language in high school and possess linguistic and cultural knowledge that true beginners do not, but are not ready yet to move to the intermediate level because they need an in-depth review of essential structures. Note: This course was previously listed as SPA 114.

Required: Placement test

SPA 1015 - Spanish for the Professional I

3 Credits

This course presents introductory Spanish language skills, for professional use in a variety of fields, within Spanish-speaking environments. This course is intended for language learners with little or no prior experience. Note: This course was previously listed as SPA 115.

SPA 2001 - Conversational Spanish III

3 Credits

Provides students with the skills necessary continue to their study of understanding and speaking Spanish. The material includes intermediate level vocabulary, grammar, and expressions. Note: This course was previously listed as SPA 201.

SPA 2002 - Conversational Spanish IV

3 Credits

Provides students the skills necessary to continue their study of understanding and speaking Spanish. The material will continue to cover intermediate level conversational patterns, expressions, and grammar. Note: This course was previously listed as SPA 202.

SPA 2011 - Spanish Language III: GT-AH4

3 Credits

Continues Spanish Language II in the development of increased functional proficiency at the intermediate level in speaking, aural comprehension, reading, writing, and cultural competency in the Spanish language. This course is conducted predominantly in Spanish. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as SPA 211.

Prerequisite(s): SPA 1012 or SPA 1014

SPA 2012 - Spanish Language IV: GT-AH4

3 Credits

Continues Spanish Language III in the development of increased functional proficiency at intermediate mid level in speaking, aural comprehension, reading, writing, and cultural competency in the Spanish language. This course is conducted predominantly in Spanish. This is a statewide Guaranteed Transfer course in the GT-AH4 category. Note: This course was previously listed as SPA 212.

Prerequisite(s): SPA 2011

SPA 2015 - Spanish for The Professional II

3 Credits

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. Note: This course was previously listed as SPA 215.

SPA 2035 - Spanish Reading/Writing

3 Credits

Builds vocabulary and develop reading and writing strategies in Spanish to be able to analyze fictional and non-fictional texts and gain further cultural insight of the Hispanic world. (45 contact hours) Note: This course was previously listed as SPA 235.

Prerequisite(s): SPA 1012 or SPA 1014

SPA 2061 - Spanish Language for Heritage and Intermediate-Mid Speakers: GT-AH4

3 Credits

Focuses on developing Spanish language skills necessary for communication in social and professional settings. Coursework is curated for speakers who learned Spanish in an informal, non-academic setting and for intermediate-mid speakers. This course emphasizes grammar, vocabulary expansion, reading and writing skills, global linguistic variations, and topics related to Hispanic communities in the United States and the Spanish-speaking world. Note: This course was previously listed as SPA 261.

SPA 2075 - Special Topics

1-6 Variable Credits

Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Note: This course was previously listed as SPA 275.

SPA 2085 - Independent Study

1-6 Variable Credits

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

Required: Instructor's permission

Telecommunications Technology

TLT 131 - Cabling

3 Credits

Provides the student with knowledge of different cable media as applicable to the telecom industry. Termination, routing, cable selection theory and testing.

TLT 141 - Voice Over Internet Protocol (VoIP)

1 Credit

Students will learn the basic concepts of Voice Over Internet Protocol as opposed to public Switched Telephone Network (PTSN). The purpose of this course will be to teach testing measurement, Evaluate quality of signal, differences in commercial applications of Tier One, Tier Two and Tier Three providers in comparison to individual applications. Students will master VoIP, Enterprise level VoIP standards, security and analyze the VoIP packet. Topics also covered will include vocabulary, history and the future of VoIP, Enterprise level VoIP, define codec, media gateways, media controllers, IP based PBX's, ATA, analog telephone adapter, basic block diagram of a typical PSTN, VoIP calls and finally QoS issues related to VoIP.

Theater

THE 1005 - Theatre Appreciation: GT-AH1

3 Credits

Provides an opportunity to discover, analyze, and evaluate all aspects of the theatre experience: scripts, acting, directing, staging, history, criticism, and theory. This is a statewide Guaranteed Transfer course in the GT-AH1 category. Note: This course was previously listed as THE 105.

THE 1010 - Theatre in Denver

3 Credits

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. Note: This course was previously listed as THE 110.

THE 2015 - Playwriting: GT-AH1

3 Credits

Develops playwriting techniques emphasizing elements of dramatic structure, dialogue, styles, creative writing, and theatrical practices. This is a statewide Guaranteed Transfer course in the GT-AH1 category.

Women and Gender Studies

WST 2000 - Introduction to Women's and Gender Studies: GT-SS3

3 Credits

Explores the interdisciplinary field of women's and gender studies. Topics include the background and history of women's and gender studies, rights movements, LGBTQIA+ identities, social constructions of sex and gender, relevant theories, women's and gender statuses in social institutions including but not limited to the media, healthcare, religion, and government. This course examines inequality in gender and sexuality on national and global levels. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite(s): College Readiness in English

WST 2100 - Women and Social Action: GT-SS3

3 Credits

Explores the role of the systems of oppression in society and avenues available to create both individual and collective change through social action. Awareness of agency to enact change and become empowered are highlighted in the course. Informed by intersectional feminist pedagogy, this course explores issues of diversity including, but not limited to race, class gender, age and disability. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite(s): College Readiness in English

WST 2200 - Goddesses And Women In The Ancient World: GT-SS3

3 Credits

Surveys gender socialization through a study of arts, literature, music, politics, religion, philosophy, laws, and social standards. The course introduces the history of ideas that have defined women's place in societies. Course 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 is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite(s): College Readiness in English

Workforce and Community Programs

Workforce Training

Move Mountains and Earn More with Professional and Skills Training

ACC means **BUSINESS** and we can help increase employee effectiveness and productivity through many options.

For Job Seekers and Employees

certificate programs
individual courses
online training and classes

Looking For a New Career?

Electroneurodiagnostic (END) Technician Program is a 1-year certificate that combines hands-on hospital experience with classroom learning. The program helps training technologists who will work with doctors to assess and monitor neurological functions.

Cybersecurity: Security+ boot camp prepares students for their CompTIA Security + certification which will prepare students to enter a cyber security career path.

Medical Transcription is a convenient online program with local discussion groups

Hundreds of career training and certification programs are offered online for your convenience

For Small and Large Businesses

We help assess organizational training needs and propose specific programs that will assist employees to meet organizational goals.

- training assessments
- individual courses or certificate and degree programs
- quality training
- workplace skills
- customized training

Customized training designed for unique operations, includes curriculum development and instruction in areas such as:

- technical skills for industrial operations
- information skills and computer training
- leadership development
- project management
- supervisory skills
- occupational Spanish and other language classes including English as a Second Language
- Six Sigma
- Lean Enterprise and Manufacturing

The Workforce Training Program helps people with good skills and knowledge obtain exceptional skills and knowledge. We work with business leaders and individuals to raise skill levels to become more productive and valuable in the workplace.

We do custom training design, implementation and industry certification. Our clients learn about workforce development strategies and intellectual resources that only we can offer. We begin our process with analysis, then can design and develop curriculum, culminating in the implementation of an exceptional customized training program.

Workforce Trainers and instructors have practical experience in their fields and work with companies to create a training program to meet specific needs.

Focus on Results

Our carefully tested methods provide companies with an efficient, customized, training plan.

- We consult with company leadership to understand goals and objectives
- Experienced facilitators conduct an on-site assessment
- We design and deliver customized workshops and training programs

Enhance Your Program with State-funded Training Dollars

Learn about the Skill Advance Grant that provides training incentives to improve employment opportunities for Coloradoans and enhance Colorado's competitive position. The Office of Economic

Development and International Trade (OEDIT) and the Colorado Community College System administer this program with amanagement from the Community Colleges. ACC supports employer partners with grant management from application to completion and can support by developing and delivering customized training programs using the SKill Advance Grant funds.

Questions? Call 303.797.5798 or visit arapahoe.edu/workforce

Community Education

A Lifetime of Learning!

Looking for something fun to do? Meet new friends? Network within your community? Change careers? Each year, thousands of people like you enroll in courses and certificate programs. Hundreds of classes are offered each season (four terms per year), and new courses are constantly developed to meet the changing needs of the community. Visit our web site at arapahoe.edu/wcp. You can register for classes online with a credit card or call 303.797.5722. The Workforce and Community Programs department is located in Room M1500. Office hours are from 9:00 a.m. – 6:00 p.m., Monday through Thursday and 9:00 a.m. - 4:00 p.m. on Friday.

Course offerings include:

- **Arts and Crafts**–Courses focusing on drawing, painting, photography and general crafts
- **Business and Technology**–Courses designed for the small business entrepreneur or those seeking computer and technology training
- **Career**–Workshops, seminars and certificated programs designed to assist those in finding, changing or training for a career
- **Language and Culture**–Courses for travelers, business interests or for pleasure, including English as a Second Language
- **Workshops**– **I**nside and outside the home
- **Health and Wellness**–Courses promoting a healthy life using traditional and alternative methods geared towards the mind and body
- **Music**–Courses to develop musical interests and talents including private lessons
- **Online**–Courses in a variety of interest areas that can be completed online at home or work
- **Finance and Retirement Planning**–Courses to improve financial security, guide the home buying process, creating wills & trusts and retirement accounts
- **Youth Program and Career Exploration**–Camps for children in grades K- 12

Course Formats – Formats vary from 1-10 sessions per term (season) depending on the course topic.

Course Locations – Courses are held at the ACC Littleton Campus and various locations throughout the South Metro area.

Course Instructors – Over two hundred part-time expert instructors teach in the program.

GED: General Education Development

If you are planning to take the GED High School Equivalency exam, we will help you prepare. Classes help you acquire the knowledge needed to have a sufficient

score to pass the exam. You can register for non-credit classes that are held on campus. You must be 17 years of age to take the GED test. For information about the GED test, contact the Testing Center at 303.797.5993. For more information about GED classes, call the WCP office at 303.797.5722.

Administrators and Faculty

Special Recognitions

Faculty of the Year:

Scott Guenthner 2026

Nathan Abels 2025

Jaden Netwig 2024

Kelli McCarthy 2023

Richard Corbetta 2022

Monica Fuglei 2021

Nina Amey 2020

Tracy Lawrence 2019

Mary Carr 2018

Adam Shelffo 2017

John Hall 2016

Deby Stutman (Jones) 2015

Nia Bauer 2014

Josie Mills 2013

Kim Moultney 2012

Instructor of the Year:

Erin Jordheim 2026

Brady Hoback 2025

Barb Stoner 2024

Erin Jordheim 2023

Jackson Culpepper 2022

Rebecca Terpstra 2021

Jason Klobnak 2020

Harry Purcell 2019

Susan Walter 2018

Laura Kjosen 2017

Distinguished Faculty:

2024-2025

Monica Fuglei, Jornil Ebro, Alexis Gaines, Ashley Vasquez, David Sackris

2023-2024

Doug Lundin, Jennifer Jones, Jennifer Kellogg, Kathy Sutherland, Christine Tomas

2022-2023

Allison Hagood, Jacob Johnson, Diana Hornick, Patricia Anderson, Kelli McCarthy

2021-2022

Richard Corbetta, Terry Harrison, Christina McKellips, Ashley Vasquez, Amy Wilkerson

2020-2021

Scott Guenthner, Jennifer Jones, Kelli McCarthy, Cassie Racine, Kathy Sutherland

2019-2020

Monica Fuglei, Jenai Rutledge, Cathy Schnakenburg, Martha Thayer, Don Walker

2018-2019

Joan Anderssen, Chris McKellips, Denice Pardee, Dawn Viola, Doc Viola

2017-2018

Heidi Barrett, Chris Nordquist, Adam Shelffo, Jamey Trotter, Henry Weigel

2016-2017

Allison Hagood, Jennifer Jones, Michele Moro, Danielle Staples, Kathryn Winograd

2015-2016

Nathan Abels, Tom DeMoulin, Denise Lefort, Lance Rubin, Terri Scrima

2014-2015

Debbie Grant, Kristin Habicht, Diana Hornick, Kim Moultney, Kim Stasiewicz

2013-2014

Cheyne Bamford, Jennifer Kroetch, Hidemi Matsushita, Mikelene Mantel

2012-2013

Jim Cannata, Sara Harris, Cindy Johnson, Anita LoDico, Fida Obeidi

2011-2012

Jo Ann Beine, Tom DeMoulin, John Hall, Connie Strain, Michelle Van de Sande

Master Teachers:

Patricia Anderson

Diana Hornick

Denise Lefort

Terri Scrima

Tracy Bacon

David Sackris

Kristi Doherty

Jacob Johnson

Rachel Newlon

Cassandra Racine

Erica Henningsen

Susan Kendall

Tracy Lawrence

Holly Lynch

Denice Pardee

Rachel Willard

Administrator of the Year:

Liliana Renteria Mendoza 2025-2026

Sandra Redley-Butler 2024-2025

Lisa Christiansen 2023-2024

Danielle Staples 2022-2023

Javon Brame 2021-2022

Jennifer Husum 2020-2021

Peggy Quinn 2019-2020

Vicki Bobo 2018-2019

Juan Greening 2017-2018

Rebecca Woulfe 2016-2017

Dawn Stratton 2015-2016

Darcy Briggs 2013-2014

Classified of the Year:

Lewis DeHerrera 2025-2026

Annette Hernandez 2024-2025

Crystal Kelly 2023-2024

Cristina Elizondo 2022-2023

Tia Le 2021-2022

Delcia Garcia 2020-2021

Angie Pendell 2019-2020

Meredith Tofield 2018-2019

Elden Raugust 2017-2018

Tim Eberly 2016-2017

Tia Lee 2015-2016

(Transition year for 2014-2015)

Mark DiRenzo 2013-2014