

COLLEGE OF ENGINEERING, DESIGN AND COMPUTING

Leadership

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Overview

The College of Engineering, Design and Computing at the University of Colorado Denver meets the needs of the Denver metropolitan area by providing nationally accredited engineering education programs in a flexible format that suits both students and employers. Recognizing the importance for students to pursue professional studies and related employment simultaneously, the college offers undergraduate and graduate degree programs in bioengineering, civil engineering, construction engineering and management, construction management, mechanical engineering, electrical engineering and computer science through late afternoon and evening studies or through a more traditional schedule of day classes.

A listing of the fields in which engineers work would have hundreds of entries. The following list is a brief summary of the engineering fields available at CU Denver.

Bioengineering offers opportunities for interdisciplinary undergraduate training for a bachelor of science degree and graduate training for master of science and doctor of philosophy degrees. Our programs are uniquely integrated with the CU Anschutz Medical Campus. Students enjoy opportunities to learn from clinicians and engineers and to perform research or medical device design in world-class hospitals and clinical research labs. Bioengineering is one of the fastest growing job markets this decade, according to the Bureau of Labor Statistics. A degree in this area provides numerous opportunities to work in health care, biomedical industry, government regulatory agencies and academia.

Civil engineering offers an interesting and challenging career in the design and construction of buildings, bridges, dams, aqueducts and other structures; in transportation systems including highways, canals, pipelines, airports, rapid transit lines, railroads and harbor facilities; in the distribution of water and the regulation of rivers; in the development of water resources for urban use, industry and land reclamation; in the control of water quality through water purification and proper waste treatment; in the construction and contracting industry; and in the problems concerned with our physical environment and the growth of cities.

Computer science offers graduates the solid foundation needed for jobs in computing and enabling technology encompassing many areas across diverse fields such as healthcare, business, natural & applied sciences, mathematics and visual arts. Career paths in computer science involve designing and implementing software, devising new computer applications and developing effective ways to solve computing problems.

Construction engineering and management enables engineers, construction managers, architects, business majors and others to advance within a wide variety of construction career paths or to transition into the dynamic, exciting and high paying building industry. Graduates will find exciting, well-paid careers in the expanding and interconnected industry of architecture, engineering and construction as it embraces dynamic new concepts like smart cities, connected infrastructure and evolving value propositions.

Electrical engineering offers careers that include research in development of new electrical or electronic devices, instruments or products; design of equipment or systems; production and quality control of electrical products; and sales or management for private industry or government. There are numerous specialties within electrical engineering. Among them are the design and application of computer systems and digital engineering; electromagnetic fields and microwave devices; control systems; communication theory and signal processing; electrical integrated circuits and electron devices; and energy and power systems.

Mechanical engineering offers a wide range of interesting and challenging career opportunities in research, design, development, manufacturing, testing and marketing for either private industry or government. Mechanical engineers help develop a wide range of products such as engines, transmissions, compressors, pumps, oil field drilling rigs, missiles, space satellites, earth-moving equipment, container-manufacturing machines, medical equipment and many other products encountered in daily life.

Educational Goals

The College of Engineering, Design and Computing has established the following goals and objectives for undergraduate education:

- successful completion of the fundamental core courses, primarily lower division, in mathematics and the physical sciences
- successful completion of the required upper-division courses in engineering science, analysis and design
- successful completion of real-world engineering design projects that require integration of engineering, economic and social skills
- successful completion of a series of humanities and social science courses that introduce the student to societal problems and historical perspectives
- evidence, through close student/faculty contact, of development of professionalism, ethics and concern for the multifaceted human element of engineering

- evidence, from successful completion of a full engineering curriculum, of the ability to maintain professional competency through lifelong learning
- evidence, through successful completion of a series of communications-oriented courses and project presentations, of an ability to communicate effectively with professionals and laypersons alike

Accreditation

Our undergraduate programs in bioengineering, civil engineering, electrical engineering and mechanical engineering are accredited by the Engineering Accreditation Commission of ABET, www.abet.org (<http://www.abet.org>). The undergraduate program in computer science is accredited by the Computing Accreditation Commission of ABET, www.abet.org (<http://www.abet.org>).

Freshman Year

Fundamentals taught in the freshman year are of critical importance in the more advanced classes. Special attention should be given to taking courses in the proper sequence. (Course requirements for freshmen are detailed in the typical curriculum given under each department.) All students are urged to consult their instructors whenever they are experiencing difficulties with course materials or for questions related to the class.

Internships

Internships are a way for students to gain professional experience while studying at CU Denver. Many internship positions lead to permanent employment opportunities upon graduation. Please contact the Experiential Learning Center at 303-315-7258 for information on the specific eligibility requirements.

Scholarships

The College of Engineering, Design and Computing awards various undergraduate scholarships to support the education of engineering students. These awards are provided through funds generously given by industry, alumni and other donors. Once admitted, students may view and apply for these scholarships through the student portal (<https://passport.ucdenver.edu/login.php>). Please note that the list of scholarships for which a particular student is eligible automatically populates. For additional information on other types of financial aid, consult the Tuition/Financial Aid FAQs section (<http://catalog.ucdenver.edu/cu-denver/undergraduate/student-finances/>).

College of Engineering, Design and Computing Admissions Information

Freshman Applicants

For direct admission to the College of Engineering, Design and Computing, freshman applicants must meet the following criteria:

Direct Admission to:

BS in Bioengineering
BS in Civil Engineering
BS in Construction Engineering and Management
BS in Computer Science
BS in Electrical Engineering
BS in Mechanical Engineering

Criteria:

- Minimum 3.0 cumulative high school GPA **and**
- Minimum 24 ACT Composite and 25 ACT Math Score **or**
- Minimum 1180 SAT Composite and 590 SAT Math Score

Direct Admission to:

BA in Computer Science
BS in Construction Management

Criteria:

- Minimum 2.6 cumulative high school GPA **and** one of the following requirements:
- Minimum 22 ACT Composite **or** 22 ACT Math
- Minimum 1110 SAT Composite **or** 540 SAT Math

Admission to Pre-Engineering

Students who do not meet the criteria for direct admission to a major will be considered for admission to pre-engineering with a major interest.

Criteria:

- Minimum 2.600 cumulative high school GPA **and** one of the following two requirements:
- Minimum 22 ACT Composite **or** 22 ACT Math
- Minimum 1110 SAT Composite **or** 540 SAT Math

Admission to College of Liberal Arts and Sciences - Undeclared

- Students who do not meet the criteria for direct admission to a major or pre-engineering, but otherwise meet the university's admission criteria, will be admitted to the College of Liberal Arts and Sciences as an undeclared major.

For International Students Who Did Not Graduate From a U.S. High School

The ACT/SAT requirement is waived; instead, students must meet the minimum cumulative high school GPA requirement above and have completed three (3) years of high school math with a cumulative 2.7 GPA in math courses.

Transfer Applicants

For direct admission to the College of Engineering, Design and Computing, transfer applicants must meet the following criteria:

DIRECT ADMISSION TO:

BS in Bioengineering
BS in Civil Engineering
BS in Construction Engineering and Management
BS in Computer Science
BS in Electrical Engineering
BS in Mechanical Engineering

Criteria:

- Minimum 3.0 overall GPA with a grade of B- or better in Calculus I **or**
- Minimum 2.75 overall GPA **and** a minimum 2.5 GPA (based on most recent course attempts) in Calculus I, Calculus II, and Calculus-based Physics I with corresponding lab, with a grade of C- or better in each course.

NOTE: For admission into the computer science major, calculus-based Physics I is not required, but will be accepted

DIRECT ADMISSION TO:

BA in Computer Science
BS in Construction Management

Criteria:

- Minimum 2.5 overall GPA
- Completion of at least one of the following courses with a grade of C or better: College Algebra, College Trigonometry, Pre-Calculus, Calculus I, or Calculus II

ADMISSION TO PRE-ENGINEERING

Students who do not meet the criteria for direct admission to a major will be considered for admission to pre-engineering with a major interest.

Criteria:

- Minimum 2.5 overall GPA
- Completion of at least one of the following courses with a grade of C or better: College Algebra, College Trigonometry, Pre-Calculus, Calculus I, or Calculus II

ADMISSION TO COLLEGE OF LIBERAL ARTS AND SCIENCES - UNDECLARED

- Transfer students who do not meet the criteria for direct admission to a major or pre-engineering, but otherwise meet the university's admission criteria, will be admitted to the College of Liberal Arts and Sciences as an undeclared major, or in the case of an IUT, remain in their current CU Denver school or college.

Application Deadlines**UNDERGRADUATE**

Fall: July 31

Spring: December 31

Summer: May 31

Please visit the College of Engineering, Design and Computing website (<https://engineering.ucdenver.edu/undergraduate-programs/admissions/>) for additional information.

(For Graduate Programs and information please refer to the Graduate (<http://catalog.ucdenver.edu/cu-denver/graduate/schools-colleges-departments/college-engineering-design-computing/#departmenttext>) **catalog.**)

College of Engineering, Design and Computing Departments and Programs

- Construction Engineering and Management, BS (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/civil-engineering/construction-engineering-management-bs/>)
- Construction Management, BS (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/civil-engineering/construction-management-bs/>)
- Construction Management Minor (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/civil-engineering/construction-management-minor/>)
- Computer Science and Engineering (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/computer-science-engineering/>)
 - Computer Science, BA (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/computer-science-engineering/computer-science-ba/>)
 - Computer Science, BS (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/computer-science-engineering/computer-science-bs/>)
 - Computer Science Minor (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/computer-science-engineering/computer-science-minor/>)
 - Cybersecurity and Secure Computing Undergraduate Certificate (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/computer-science-engineering/cybersecurity-secure-computing-undergraduate-certificate/>)
- Electrical Engineering (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/electrical-engineering/>)
 - Electrical Engineering, BS (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/electrical-engineering/electrical-engineering-bs/>)
 - Computer Engineering Minor (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/electrical-engineering/computer-engineering-minor/>)
 - Electrical Engineering Minor (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/electrical-engineering/electrical-engineering-minor/>)
- Inworks (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/inworks/>)
 - Human-Centered Design and Innovation Minor (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/inworks/human-centered-design-innovation-minor/>)
 - Human-Centered Design and Innovation Undergraduate Certificate (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/inworks/human-centered-design-innovation-undergraduate-certificate/>)
- Bioengineering (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/bioengineering/>)
 - Bioengineering, BS (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/bioengineering/bioengineering-bs/>)
- Civil Engineering (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/civil-engineering/>)
 - Civil Engineering, BS (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/civil-engineering/civil-engineering-bs/>)

- Mechanical Engineering (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/mechanical-engineering/>)
- Mechanical Engineering, BS (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/mechanical-engineering/mechanical-engineering-bs/>)

College of Engineering, Design and Computing Graduation Requirements

For additional information regarding graduation policies and procedures, please visit the Graduation section of the catalog.

Hours

A minimum of 130 semester hours is required for students seeking the bachelor of science (BS) in civil engineering; a minimum of 128 semester hours is required for the BS in bioengineering, computer science, construction engineering and management, electrical engineering, and mechanical engineering; and a minimum of 120 credit hours is required for the BS in construction management and the bachelor of arts in computer science.

Grade Point Average (GPA)

A minimum cumulative GPA of 2.0 is required for all courses attempted, for all required courses and for all courses taken within the student's major department.

Hours in Residence

At least 30 semester hours of course work applicable to an undergraduate degree in engineering must be taken at CU Denver while a declared student in good standing at the College of Engineering, Design and Computing. Students must be enrolled in the college for at least the final two semesters prior to graduation.

Note: The electrical engineering program requires at least 40 hours of course work applicable to a bachelor of science degree in electrical engineering, which must be taken at CU Denver while a declared student in good standing at the College of Engineering, Design and Computing.

Mathematics and Physics Requirements

Each major in the College of Engineering, Design and Computing includes specific math and physics requirements, which can overlap with CU Denver Core Curriculum requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation-undergraduate-core-requirements/cu-denver-core-curriculum/>) in the categories of Mathematics or Biological and Physical Sciences. An overview of these requirements is laid out below:

Mathematics

Code	Title	Hours
MATH 1401	Calculus I	4
MATH 2411	Calculus II	4
MATH 2421	Calculus III (not required for computer science students)	4
MATH 3195	Linear Algebra and Differential Equations	4
Total Hours		16

Physics

Code	Title	Hours
PHYS 2311	General Physics I: Calculus-Based	4
PHYS 2321	Intro Experimental Phys Lab I	1
PHYS 2331	General Physics II: Calculus-Based	4
PHYS 2341	Intro Experimental Phys Lab II (not required for civil or electrical engineering students)	1
Total Hours		10

Notes:

- BS computer science students may take their science course track in biology, chemistry or physics. Please see the BS [computer science curriculum](http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/computer-science-engineering/computer-science-bs/) (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/computer-science-engineering/computer-science-bs/>) for details. BA computer science students must take at least one biology, chemistry, or physics course + lab in addition to another lab-based science course. Please see the BA computer science curriculum (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-engineering-design-computing/computer-science-engineering/computer-science-ba/>) for details.
- Please see the individual major pages in the Programs (<http://catalog.ucdenver.edu/cu-denver/undergraduate/programs-a-z/>) area for a full picture of the specific major requirements
- Please see the CU Denver Core Curriculum (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation-undergraduate-core-requirements/cu-denver-core-curriculum/>) for a full picture of degree requirements

Faculty Recommendation

The recommendation of the faculty of the department offering the degree and the approval of the faculty of the College of Engineering, Design and Computing is required for graduation.

Major

Complete all requirements associated with your individual major. Please visit the individual program pages for major requirements.

Applying for Graduation

When a student in the College of Engineering, Design and Computing is within 30 hours of completing their degree, an appointment should be scheduled with an advisor to perform a 30-hour check. The 30-hour check is required before the student may graduate.

In addition to the above requirement, all students in the College of Engineering, Design and Computing must also meet with their advisor in the semester prior to the semester in which they wish to apply for graduation to ensure all academic and administrative requirements are met. Failure to do so may interfere with a student's ability to graduate.

It is the sole responsibility of the student to understand and follow the policies, procedures, dates and deadlines of the CU Denver campus and the College of Engineering, Design and Computing. Failure to do so may obstruct a student's ability to graduate.

Academic Honors

In recognition of superior scholarship, academic honors are awarded at the time of graduation based on the cumulative University of Colorado

undergraduate GPA, including the final semester of coursework. To be eligible for honors, a student must have completed a minimum of 60 semester hours at the University of Colorado (on any CU campus). Grades earned at institutions outside of the CU system will not be considered. For Special Honors, a student must have earned a cumulative CU GPA of at least 3.800; for Honors, a GPA between 3.600 and 3.799 is required. Since grades earned during the semester of graduation are considered, academic honors are notated in the commencement program as "pending" and are officially recorded on the diploma and transcript if granted.

College of Engineering, Design and Computing Academic Policies

For additional information regarding policies and procedures, please visit the Records and Registration (<http://catalog.ucdenver.edu/cu-denver/undergraduate/records-registration/>) section and the Academic Policies and Procedures (<http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/>) section of the catalog.

Undergraduates Taking Graduate Coursework

With advisor approval, an undergraduate engineering student may be granted the opportunity to take graduate courses to be counted toward an undergraduate degree. A maximum of 6 semester hours of graduate-level University of Colorado course work taken as an undergraduate can be considered for credit toward a graduate degree. Only a grade of B (3.000) or above will be considered for graduate-level credit. All consideration of graduate work to be counted toward both an undergraduate and a graduate degree must be approved by an advisor.

Course Load/Restriction

Undergraduate students employed less than 10 hours per week should consider registering for courses as outlined in the departmental curricula. Additional courses may be allowed when there is satisfactory evidence that the student has the capability to handle the added load. Permission to take more than 19 hours may be granted by written petition and approval of the department chair and the dean's office.

Registration for Non-Degree Seeking Students

Non-degree students may apply 12 semester hours of course work (or up to 18 if taken in one semester) toward a bachelor's degree in engineering from CU Denver. Non-degree graduate students may apply 9 semester hours of graduate-level course work toward a master's degree in engineering from CU Denver.

Withdrawal

After the tenth week of the semester, dropping a course requires a petition signed by the department chair. Only under very extenuating circumstances, such as a documented medical or personal emergency, will petitions for dropping courses be approved after the tenth week of the semester.

Retroactive Drop/Withdrawal

The university specifies the date up to which students may drop a course using the online course registration and schedule adjustment system.

This date usually occurs at the end of the first week of classes for that semester. After this date, students must use a Schedule Adjustment Form to add or drop courses from their schedules. This form requires the signature of the course instructor. Beyond the end of the tenth week of the semester, this form also requires the signature of the department advisor in which the student is majoring. The student's department will verify that the course being dropped is not a co-requisite to another course in which the student is enrolled that semester. If so, then the other course must also be dropped. A course withdrawal after the tenth week of the semester is at the discretion of the instructor and the student's department, and signatures must be obtained from both. No course withdrawals will be approved after the end of the 14th week of the semester for any reason except unforeseen circumstances beyond the student's control.

A complete withdrawal from the semester requires the same Schedule Adjustment Form, but it only requires the signature of the dean of the student's college and the Financial Aid Office, if applicable.

Note: The student is responsible for informing the university offices of any change in schedule that may affect enrollment requirements for matters such as financial aid, scholarships, or international visas.

Grade Appeals

Final grades, as reported by instructors, are to be considered permanent and final. Grade changes will be considered only in cases of documented clerical error and must be approved by the dean.

Pass/Fail

The primary purpose for offering courses on a pass/fail grade basis is to encourage students, especially juniors and seniors, to broaden their educational experience by electing challenging upper-division humanities and social sciences elective courses without serious risk to their academic records. In general, pass/fail should be limited to 3000- or 4000-level humanities and social sciences courses. Students must process the pass/fail form during the first two weeks of the semester. A maximum of 16 semester hours may be taken pass/fail, including courses taken in the honors program.

No courses required for the completion of an engineering degree will be accepted for credit if taken with the university standard pass/fail process. This includes all required and elective BIOL, CHEM, ENGR, MATH, and PHYS courses and any College of Engineering, Design and Computing discipline course (BIOE, CSCI, CVEN, CEMT, ELEC, and MECH). CU Denver core curriculum courses may be eligible, BUT because certain categories of core courses are not eligible (e.g., math and natural and physical sciences), students are strongly recommended to consult their advisor prior to requesting this grading option. If a student selects Pass/Fail grading for an ineligible course, the student will be required to repeat it for a letter grade to satisfy degree requirements.

No Credit

An engineering student must request approval before enrolling for no credit (NC) for any course. Required courses must be taken for credit. Once a course has been taken NC, the course cannot be repeated for credit.

Incomplete Grade

An incomplete may be given by the instructor for circumstances beyond the student's control, such as a documented medical or personal emergency. When it is given, the student and the departmental office

must be informed in writing, by the instructor, what the student is expected to do in order to remove the incomplete grade as well as the date by which the tasks are to be completed. The instructor will assign an "I" distinction. The student is expected to complete the course requirements (e.g., the final examination or term paper), within the established deadline and not to retake the entire course. The majority of course requirements (75%) must have been completed with a passing grade to be eligible for an incomplete. An "I" distinction will be converted automatically to a grade of F after one year if the specified work is not completed.

It is the student's responsibility to ensure that all courses marked as incomplete are officially completed before the tenth week of the student's final semester in school.

Attendance Policy

Successful work in the College of Engineering, Design and Computing is dependent upon regular attendance in all classes. Students who are absent should make arrangements with instructors to make up the work missed. Students who for illness or other good reason miss any examination must notify the instructor no later than the end of the day on which the examination is given. Failure to do so may result in an F in the course.

Course Repeat Policy

Undergraduate students may not register for credit in a course in which they already have received a grade of C- or higher. For required courses (including technical electives): an F grade necessitates subsequent satisfactory completion of the course; students must repeat a prerequisite course in which a grade of D+ or lower was earned before moving on to the subsequent course.

If students do not successfully complete (C- or higher) an engineering class on the second attempt, they must obtain written approval from their major department to enroll for the course for the third time. When a course is retaken because of a D or F grade, both grades will appear on the transcript and both will be averaged into the GPA. Any exceptions to these policies must be made by written petition through the Office of the Dean.

Academic Integrity and Discipline Policies

CU Denver Campus Policy 7050, Academic Integrity (https://www.ucdenver.edu/faculty_staff/employees/policies/Policies%20Library/7XXX%20Student%20Affairs/7050%20-%20Academic%20Integrity.pdf), defines academic misconduct and sets forth a uniform process for handling allegations of student academic misconduct at CU Denver. As members of the CU Denver community, students are expected to know, understand, and comply with the standards of the University and to accept the responsibility to maintain the highest standards of intellectual honesty and ethical conduct in completing all forms of academic work at the university. In particular, students must refrain from academic misconduct, defined in the policy as

1. a student's use of unauthorized assistance with intent to deceive an instructor or other person who is assigned to evaluate the student's work in meeting course and degree requirements, or
2. actions that interfere with the ability of the instructor to fairly judge the work of the student or other students.

Academic integrity standards assist in promoting an academically sound, fair, and respectful community. CU Denver views the Academic

Integrity process set forth in this policy as a learning experience that can result in growth and personal understanding of one's responsibilities and privileges within both the CU Denver community and the greater community. All students must adhere to these standards. Students who allegedly violate these standards and commit academic misconduct will be subject to the procedures described in this policy. Academic dishonesty is academic in nature, and students are encouraged to contact their academic advisor for details of the campus policy and procedures centered on the academic integrity policy.

Forms of Academic Dishonesty (Refer to Campus Policy 7050 for more detailed definition)

Students are expected to know, understand and comply with the ethical standards of the university. Examples of academic dishonesty include, but are not limited to the following:

1. *Plagiarism*

Plagiarism is the use of another person's distinctive ideas or words without acknowledgment. The incorporation of another person's work into one's own requires appropriate identification, regardless of the means of appropriation.

2. *Cheating*

Cheating involves the possession, communication or use of information, materials, notes, study aids or other devices not authorized by the instructor in an academic exercise or communication with another person during such an exercise for the purpose of obtaining or providing unauthorized information or materials.

3. *Fabrication and Falsification*

Fabrication involves inventing or counterfeiting information, i.e., creating results not obtained in a study or laboratory experiment. Falsification, on the other hand, involves the deliberate alteration or changing of results to suit one's needs in an experiment or other academic or creative exercises.

4. *Multiple Submissions*

This is the submission of academic work for which academic credit has already been earned, when such submission is made without instructor authorization.

5. *Misuse of Academic Materials*

The misuse of academic materials includes but is not limited to the following: stealing or destroying library or reference materials, computer programs, another student's notes or materials or illegitimate possession of examination materials, forgery, and falsification of university documents.

6. *Complicity in Academic Dishonesty*

Complicity involves knowingly allowing or contributing to another's academic misconduct.

School/College Specific Policy

COLLEGE OF ENGINEERING, DESIGN AND COMPUTING

Students are expected to conduct themselves in accordance with the highest standards of honesty and integrity. Cheating, plagiarism, illegitimate possession and disposition of examinations, alteration, forgery or falsification of official records and similar acts or attempts to

engage in such acts are grounds for suspension or expulsion from the university.

In particular, students are advised that plagiarism consists of any act involving the offering of the work of someone else as the student's own.

The college has a Student Honor Code that all students are required to sign when they meet with their academic advisor. The code outlines the college's expectations of its students and faculty in establishing and maintaining the highest standards in academic work and is available on the college website (<http://engineering.ucdenver.edu> (<http://engineering.ucdenver.edu/>)) under Student Services > Policies and Forms.

The college also has a committee on discipline that hears cases of alleged violations of academic ethics and recommends disciplinary action. In a case of proven academic dishonesty/misconduct, the committee may invoke penalties that may include probation, suspension or expulsion. In a case of suspension or expulsion, a distinction may be placed on a student's academic record indicating the action was due to academic dishonesty/misconduct. Students who suspect or observe violations of academic ethics should report them to their instructor, the department chair or the Office of the Dean.

In addition, there is a student Academic Honor Code at CU Denver. The code is published in a brochure available from the Office of Student Life. Information regarding all student grievance procedures may be obtained in that office.