

# Department of Civil and Environmental Engineering

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Program Description	Type	Degree
Civil Engineering, B.S. ( <a href="http://coursecat.isu.edu/undergraduate/scienceengineering/civilandenvironmentalengineering/bs-civil-engineering/">http://coursecat.isu.edu/undergraduate/scienceengineering/civilandenvironmentalengineering/bs-civil-engineering/</a> )	Degree	B.S.

## Accreditation

The Bachelor of Science (B.S.) program in Civil Engineering (CE) is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>

## Mission Statement

To prepare traditional and nontraditional students to succeed in professional practice and become industry leaders, we educate the next generation of civil and environmental engineers and advance the state of the profession. We strive for close student-faculty relations through small, effective, educational settings in a friendly environment.

## Educational Objectives

The following educational objectives have been established:

- Graduates will apply technical knowledge in complex engineering projects and obtain professional licensure.
- Graduates will be professionally competent, evidenced by leadership, teamwork, management, and communication skills.
- Graduates will engage in professional development, life-long learning, and service to their profession and society

## General Information

Idaho State University civil engineering graduates are successfully employed in many areas and many have chosen to continue advanced studies in a wide variety of specialized engineering disciplines throughout the region and nation.

Every student entering the civil engineering program is assigned a faculty advisor to guarantee an appropriate plan of study and to ensure continuity throughout the program. Each student completes university general education courses and civil engineering program requirements that include elective courses.

Students entering the civil engineering program should have adequate credentials in algebra and trigonometry or higher to enter the calculus sequence. Students not entering at the calculus level will not be eligible to register for civil engineering courses until meeting the mathematics requirement. This may result in a delay in graduation.

## General Education Requirements

Students working toward the Bachelor of Science degree must complete 8 of the 9 General Education Objectives (a minimum of 36 credits). See the General Education Requirements (<http://coursecat.isu.edu/undergraduate/academicinformation/generaleducation/>) in the Academic Information section of the catalog.

## Fundamentals of Engineering (FE) Exam

Civil engineering students are encouraged to take the Fundamentals of Engineering (FE) exam during their senior year, while the breadth of the engineering material covered on the examination is still fresh in their minds. This exam is considered the first step in professional licensure for engineers.

## Surveying Licensure

Civil engineering students interested in obtaining a professional surveying license from the State of Idaho will need to complete the following courses from the Geomatics Program in addition to a Bachelor of Science in Civil Engineering.

CET 0216 Route Survey and GPS Fundamentals  
 GEMT 3310 Boundary Surveying Law  
 GEMT 3312 Public Land Surveying  
 GEMT 4411 Geodesy  
 GEMT 4430 GPS Principles and Applications  
 GEMT Electives - Any surveying courses (10 credits)

## Civil and Environmental Engineering Academic Rules and Policies

A current Idaho State University civil engineering major student who intends to transfer an engineering course to Idaho State University must obtain prior approval for the transfer either via transfer credit review (petition process) or through existing program articulation.

Transfer credits must be posted to the student's ISU transcript prior to registering for any course that has the transfer course credits as a prerequisite or co-requisite.

A student requesting a credit limit overload must have a 2.0 GPA or better.

A student's advisor can submit an email request to the department chair after meeting with the student and discussing their schedule. Upon concurrence, the chair will submit the request for final approval to the associate dean. A student that has been allowed an overload and failed one of the courses in a previous semester, will not be allowed additional overloads in future semesters. Overloads will be considered starting one week before courses start, allowing other students the opportunity to register first.

Any student missing the first week of a civil engineering class, in any semester, may be dropped from that course.

To maintain "academic satisfactory progress" and avoid academic probation and/or academic dismissal, undergraduate students must maintain a cumulative Idaho State University GPA of 2.0 or higher every semester.

Prerequisites are placed on courses to help students succeed. Students are required to meet course prerequisites prior to taking the course.

Faculty (<http://coursecat.isu.edu/undergraduate/scienceengineering/civilandenvironmentalengineering/faculty/>)

CE Courses (<http://coursecat.isu.edu/undergraduate/allcourses/ce/>)