



STUDENT HANDBOOK 2019-2020

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DEPARTMENT

Students enrolling in the Construction Engineering program should make note of the following Department and degree titles:

Department Name: Civil & Environmental Engineering

Degrees offered: Bachelor of Science in Civil Engineering

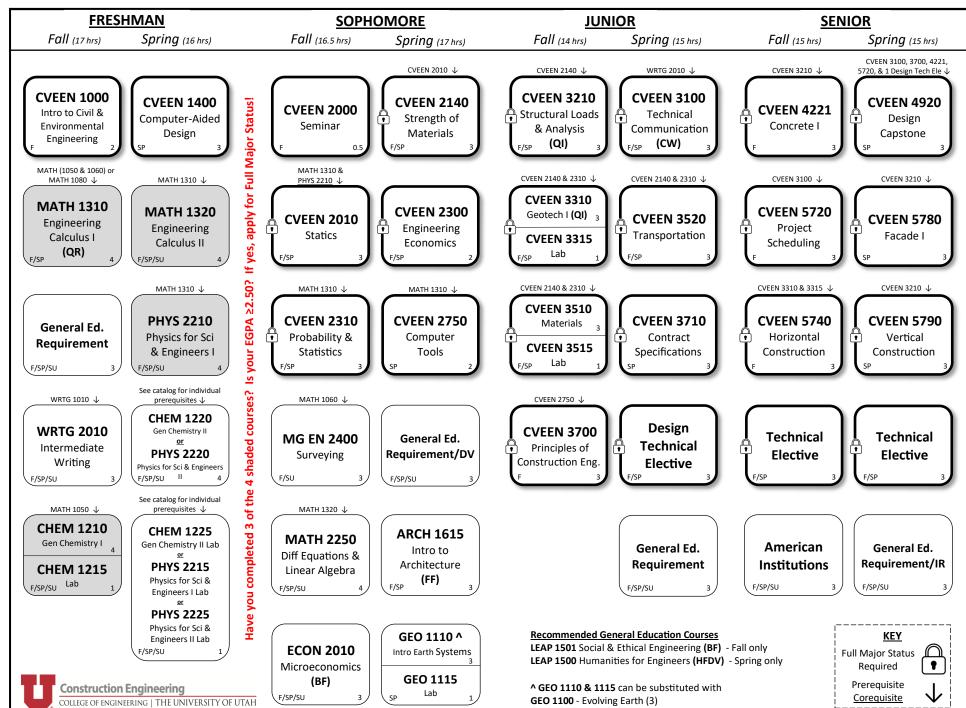
Bachelor of Science in Construction Engineering

Minor offered: Nuclear Engineering

VISION STATEMENT: Pursuit of excellence in preparing engineers to provide innovative solutions to the world's challenges in sustaining the environment and the infrastructure.

MISSION STATEMENT: Provide high quality education in engineering and leadership, life-long learning opportunities, and innovation for the benefit of the State of Utah and the world.

B.S. CONSTRUCTION ENGINEERING – ENGINEERING MATH 2019



Updated November 25, 2019

Total Required Credit Hours: 125.5

TECHNICAL ELECTIVE COURSES

Students must complete three technical elective courses.

To graduate with a Bachelor of Science Degree in Construction Engineering you must:

- Complete at least one course from the Primary section.
- Complete at least one Design course from the Secondary Section. These are designated by a shaded box. Example: CVEEN 5510

As long as these requirements are satisfied, you may take the remaining one technical elective from either section.

PRIMARY TECHNICAL ELECTIVES

CVEEN 3100 ↓

CVEEN 5710

Cost Estimation & **Proposal Writing** F 20/22

CVEEN 3100 ↓

CVEEN 5730

Project Management & Contract Admin. SP 20/22

CVEEN 3100 ↓

CVEEN 5750

Engineering Law & Contracts SU 20/22

SECONDARY TECHNICAL ELECTIVES

Structures

Geotech & Materials

Architecture

Other (Max 1)

CVEEN 3210 ↓

CVEEN 4222 Steel I

CVEEN 3210 ↓

CVEEN 5240 Reinforced Timber/Masonry

Transportation CVEEN 3520 ↓

CVEEN 5510 Highway Design

CVEEN 3310 & 3315 ↓

CVEEN 5305 Introduction to Foundations

CVEEN 3510 & 3515 ↓

CVEEN 5500 Sustainable Materials

ARCH 6371

Intensive Materials & Construction

Any 3000+ level course from the College of Engineering or an ABET accredited program

COMPUTER REQUIREMENT

All incoming undergraduate students in the Department of Civil and Environmental Engineering are required to have a laptop. Students wanting to apply Financial Aid funds to their computer purchase should contact the Financial Aid and Scholarship Office and complete the 'Computer Purchase Allowance Request' form. Once approved, it will allow the cost of the purchase to be included in the student's cost of attendance and allow Financial Aid funds to cover the expense.

MATH AND SCIENCE ACCREDITATION HOUR REQUIREMENT

All students must complete a minimum of 32 credit hours of math and science courses. If students do not meet this requirement, they will need to take additional math and science courses to meet the required hours.

COURSES OUTSIDE UNIVERSITY OF UTAH

Upper division courses used to fulfill the Department requirements for graduation, must be taken at the University of Utah. Variances to this policy must be approved prior to enrolling in the course.

COURSE GRADE REQUIREMENTS

In order to progress within the program and graduate, the Department requires the following grades:

A grade of "C" or higher must be met for the following courses:

- All Mathematics (MATH 1210/1310, 1220/1320, 2210, 2250)
- All Chemistry (CHEM 1210, 1215, 1220, 1225)
- All Physics (PHYS 2210, 2215, 2220, 2225)
- CVEEN 2010, 2140, 2300, and 2310

For all other CVEEN courses, a grade of "C-" or higher is required.

GPA AND ENGINEERING GPA

The University requires all students to maintain a cumulative GPA of 2.00 or higher. The Department requires all students to maintain an engineering GPA (EGPA) of 2.50 or higher. Engineering GPA is defined as courses counted towards the major with the exception of the following:

- All general education courses (e.g., LEAP 1500/1501)
- All seminars (e.g., CVEEN 1000/2000)

For repeated EGPA courses, the second letter grade received will be counted as the official grade for the EGPA calculation. Please see the policy on repeated courses.

REPEAT POLICY

A student can take an engineering GPA (EGPA) course for grade only twice at the University. Students withdrawing from an EGPA course are allowed three attempts, including the withdrawal. Any student who takes a required class twice and does not have a satisfactory grade the second time, will be removed from major status and will not be allowed to take any new CVEEN classes until they meet with an academic advisor, develop a plan, and petition the Undergraduate Committee requesting that a third attempt at the class be allowed. Transfer students who have failed a class twice or more at another institution must meet with their academic advisor before registering for classes and file a petition to the Undergraduate Committee. In all cases, the Undergraduate Committee, after reviewing the petition and other relevant facts, shall make the final decision to allow or not allow the further attempt and shall communicate that decision to the student in writing.

When retaking an EGPA course, if the course was taken at the University of Utah, it must be retaken at the University of Utah. For example, students cannot count a grade obtained in a class taken at another institution to replace a low grade obtained in a class previously taken at the University of Utah.

ACADEMIC PROBATION

A student who fails to maintain an engineering grade point average (EGPA) of 2.50 or higher will be removed from major status and will be placed on academic probation. While on probation, students will not be allowed to take any new CVEEN classes and will have three consecutive semesters to retake courses or take additional non-CVEEN courses to bring their EGPA to 2.50 or higher. While on academic probation, the student will meet with an academic advisor at the end of every semester to review their progress. If after the three semesters (e.g., fall, spring, summer), the student fails to raise their EGPA to 2.50 or higher, their progress will be evaluated by the Undergraduate Committee and, if no progress is shown, the student will be dismissed from the program. Students that have been placed on probation for more than 3 semesters, even if non-consecutive, will also be evaluated by the Undergraduate Committee to determine if they should be allowed to remain in the program.

A student who fails to maintain a cumulative grade point average of 2.00 or higher will also be on probation with the Department.