



*STUDENT HANDBOOK* 2018-2019

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#### **DEPARTMENT**

Students enrolling in the Civil 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

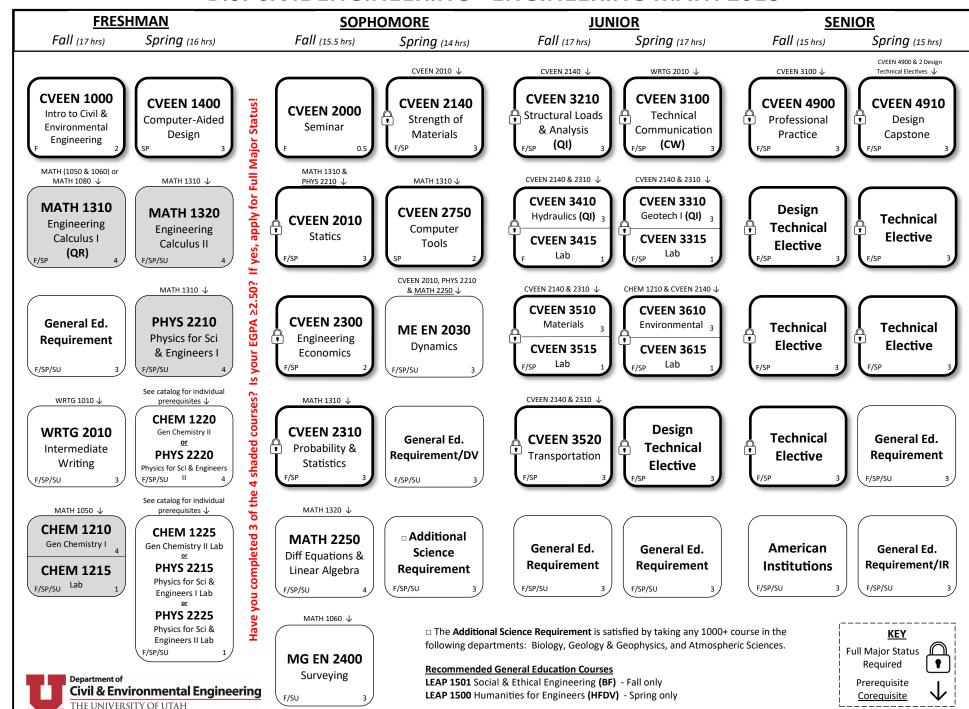
Minor offered: Nuclear Engineering

**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.

The Bachelor of Science Degree in Civil Engineering at the University of Utah is accredited by the Engineering Accreditation Commission of ABET (www.abet.org).

## **B.S. CIVIL ENGINEERING - ENGINEERING MATH 2018**



Updated February 7, 2018

Total Required Credit Hours: 126.5

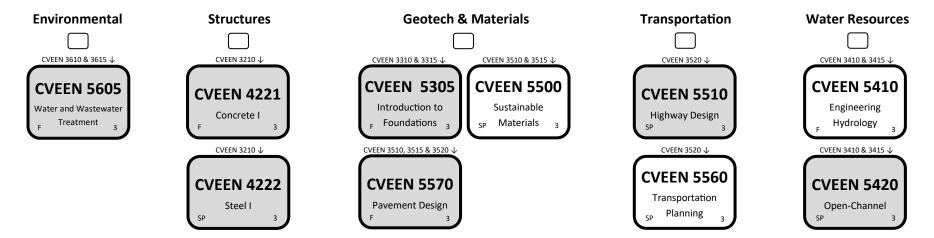
## **TECHNICAL ELECTIVES**

Congratulations on reaching the *Technical Electives!* These delve deeper into the various areas covered in the 3000-level courses. A total of <u>6</u> Technical Electives, with the exception of Fastrax students, are required. While you are able to take courses in your areas of interest, further specialization is achieved by pursuing Graduate School.

## **Primary Technical Electives**

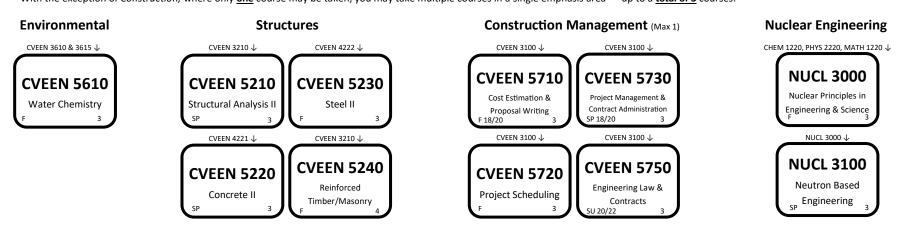
#### To graduate with a Bachelor of Science Degree in Civil & Environmental Engineering you must:

- 1. Take at least one course from 3 of the 5 emphasis areas in the Primary section. Three different checkboxes must be marked to fulfill this requirement.
- 2. Complete at least <u>two</u> Design courses from <u>different emphasis areas.</u> These are designated by a <u>shaded box.</u> Example: CVEEN 4221 and CVEEN 5420 As long as these requirements are satisfied, you may take the remaining 3 technical electives in either section.



### **Secondary Technical Electives**

With the exception of Construction, where only one course may be taken, you may take multiple courses in a single emphasis area — up to a total of 3 courses.



#### **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.

#### **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.