

CIVE Engineering Electives

The Department currently plans to offer electives on the schedule below but reserves the right to change the elective offerings at any time without notice.

Fall Semesters:

- **CIVE 3380 Fundamentals of Plane Surveying**
- **CIVE 5362 Water Quality Engineering**

Spring Semesters:

- **CIVE 4337 Transportation Engineering**
- **CIVE 4364 Steel Design** (Steel Design will be taught in Spring 2020 but the course may be moved to the fall semester starting Fall 2020)
- **CIVE 4381 Advanced Geomatics** (Note CIVE 3380 is listed as prerequisite in catalog but it is no longer required. MATH 2331 or MATH 3321 is the only prereq.)
- **CIVE 5388 Hazardous Waste Processes**
- **Spring 2020 - CIVE 4397 Environmental Sustainability** (new course, prereqs: CHEM 1331 and MATH 1431). This course introduces the field of sustainable development by examining both environmental and energy systems and their interaction. Topics addressed include conventional and renewable energy sources, interaction of energy and environmental systems, approaches to improve energy and environmental sustainability, and qualitative and quantitative measures of sustainability. The course balances a broad overview of the energy-environment nexus with an in-depth investigation of selected problems and technologies.

Summer Term:

- **Restricted enrollment - CIVE 5397 Construction Law.** Must have completed ENGI 2304 Technical Communications and select upper-level CIVE courses. GPAs will be considered in approval process. If you are interested in seeking enrollment in this course contact Dr. Herman (rherman@uh.edu).

All of the courses above have prerequisites. Refer to the Undergraduate Catalog for course descriptions and requisites.

<http://www.uh.edu/courses-undergraduate>

Using CIVE Graduate Courses as CIVE electives in BSCE Degree

BSCE students with overall and major GPAs of at least 3.0 who are taking upper-level CIVE classes may be allowed to take up to two CIVE graduate classes and use these courses as CIVE Electives in their BSCE degrees (and also double-count towards appropriate graduate degrees if desired). Contact Dr. Herman (rherman@uh.edu) for instructions on how to seek permission to take a CIVE graduate course.