

# CIVE ELECTIVES

**All CIVE Electives have requisite requirements:** view requisites and course descriptions in [Undergraduate Catalog](#). Information below only for new courses and changes.

## Fall Semesters:

- **CIVE 3380 Fundamentals of Plane Surveying**
- **CIVE 5362 Water Quality Engineering**
- **NOTICE** – CIVE 4364 Steel Design may be moved to fall semesters starting Fall 2021

## Spring Semesters:

- **CIVE 4337 Transportation Engineering**
- **CIVE 4364 Steel Design** – will be taught in Spring 2021 but may then move to fall course offered F21, F22, etc.)
- **CIVE 4381 Advanced Geomatics** (prerequisite change – CIVE 3380 removed, requisites now: MATH 1313, MATH 2331 or MATH 3321)
- **CIVE 5388 Hazardous Waste Processes**
- **CIVE 4397 Environmental Sustainability** (prereqs: CHEM 1331 and MATH 1431). Introduces field of sustainable development by examining both environmental and energy systems and their interaction. Topics 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 Terms:

- **Restricted enrollment - CIVE 5397 Construction Law.** (prereqs: ENGI 2304 and select upper-level CIVE courses.) If you are interested in seeking enrollment in this course, contact Dr. Herman ([rherman@uh.edu](mailto:rherman@uh.edu)).
- **Summer 2020 - CIVE 5397 Disaster Management and Rapid Recovery Plans:** (prereqs ENGI 2304 and two 3000-level CIVE courses).

## **Using CIVE Graduate Courses as CIVE Electives in BSCE Degree**

Students with overall and major GPAs of at least 3.0 who are taking upper-level CIVE classes can seek approval to take up to two CIVE graduate classes and use them as CIVE Electives in their BSCE degrees. This approval is not guaranteed and will vary by course. (In a separate approval process through graduate program, under GPA requirements set by graduate program, courses might be allowed to double-count towards appropriate graduate degree.) To seek permission to enroll in and count CIVE graduate course towards BSCE degree submit a [General Petition](#). On the petition:

- Fill out contact information at top left.
- Check Item 12.
- Explanation: "I would like to take CIVE ##### COURSE NAME in SEMESTER YEAR and use it as a CIVE Elective in my BSCE degree plan. I will be taking a total of X hours (including the graduate course) in SEMESTER YEAR and I will be working Y hours outside of school at EMPLOYER NAME. (If you aren't going to be working outside of school replace the last part with "I will not be working outside school.")
- Sign and date where indicated. Email scan of petition to [civil@egr.uh.edu](mailto:civil@egr.uh.edu).
- After receiving approval to take the graduate course, email the Graduate Advisor ([civilgrad@egr.uh.edu](mailto:civilgrad@egr.uh.edu)) to request instructions on pursuing admission to the accelerated graduate program to double-count these courses towards an appropriate graduate degree