

CIVE ELECTIVES

See requisites and descriptions in [Undergraduate Catalog](#) for all courses except those taught under CIVE 5397 Selected Topics course number.

Fall Semesters:

- **CIVE 3380 Fundamentals of Plane Surveying** (prerequisite = MATH 3321)
- **CIVE 5362 Water Quality Engineering** (prerequisite = CIVE 3331, plus credit for or concurrent enrollment in CIVE 3434)
- **CIVE 4364 Steel Design** (prerequisite = CIVE 3337, plus credit for or concurrent enrollment in CIVE 3332)

Spring Semesters:

- **CIVE 4337 Transportation Engineering** (prerequisites = INDE 2333 and two CIVE 3000 level courses)
- **CIVE 4381 Advanced Geomatics** (prerequisite = MATH 3321)
- **CIVE 5388 Hazardous Waste Processes** (prerequisite = CIVE 4333)
- **SPRING 2021 – CIVE 5397 Masonry Structures** (prerequisite = CIVE 3337 plus credit for or concurrent enrollment in CIVE 3332) Masonry materials and characterization, analysis and design concepts for plain and reinforced masonry, out-of-plane and in-plane behavior of masonry walls, partially- and fully- grouted masonry walls, and composite masonry.

Summer Terms:

- **Restricted enrollment - CIVE 5397 Construction Law.** (prerequisites = ENGI 2304 and select upper-level CIVE courses.) If you are interested in seeking enrollment in this course email Dr. Herman (rherman@uh.edu). Course has limited capacity.
- **SUMMER 2021 - CIVE 5397 Disaster Management and Rapid Recovery Plans** (prerequisites = ENGI 2304 and two CIVE 3000 level courses) Fundamentals of preparedness, minimization of loss, evacuations, debris issues, contaminated sites, etc. Manmade and natural disasters. Rules, guidelines and regulations at local, state and federal levels. Case studies with major losses, recovery, and lessons learned included.

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.
- After receiving approval to take the graduate course, email the Graduate Advisor (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