

List of Approved CIVE Elective Substitutes

- **Maximum of one approved substitute** (other three electives must be CIVE courses)
- **INDE 3333 Engineering Economy** covers topic on Fundamentals of Engineering (FE) CIVIL Exam. To view all topics on exam - click "FE CIVIL" link in Exam Specifications section at ncees.org/engineering/fe/
- **Help this list grow - ask us to evaluate other courses!** Courses must be 3000 level or higher and relate to civil engineering in some way. To have a course evaluated, email items below to Dr. Herman (rherman@uh.edu).
 1. Name and number of course
 2. Catalog description (see [Undergraduate Catalog](#))
 3. Syllabus: Email course instructor or see first bullet at [webpage link](#) to search for syllabus from past semester.

For course descriptions and requisites see [Undergraduate Catalog](#). (Note many of these courses aren't offered in summer terms. Some of them are only offered once a year.)

- AFSC 3301 Air Force Leadership Studies I plus AFSC 3302 Air Force Leadership Studies II (two courses together can count as one 3 hr CIVE Elective Substitute)
- ARCH 4324 High-Rise Structures (email [Dr. Herman](#) for enrollment, requisites for BSCE majors = B- or better in first attempt of CIVE 3332 Engineering Materials and CIVE 3337 Structural Analysis, successful completion or concurrent enrollment in CIVE 4363 Concrete Design and CIVE 4364 Structural Steel Design)
- ARCH 4325 Building Systems Integration
- ARCH 4355 Houston Architecture
- ARCH 4373 Urban Environments (catalog description not reflective of actual course content, view Fall 2020 syllabus at [webpage link](#))
- BIOL 3359 Environmental Biology of Texas
- CNST 4302 Construction Law and Ethics (may not count both CIVE Construction Law course and CNST Construction Law and Ethics course towards BSCE degree)
- ECON 3332 Intermediate Microeconomics
- ECON 3334 Intermediate Macroeconomics
- ECON 4377 Urban Economics
- ENRG 3310 Introduction to Energy & Sustainability
- ENTR 3310 Entrepreneurship
- ENTR 3312 Corporate Entrepreneurship
- ENTR 3331 Introduction to Technology Entrepreneurship
- GEOL 3334 Earthquakes

You are NOT entitled to take courses on this list. You must meet course requisites or have permission from course instructor. Contact instructor directly as needed.

- GEOL 3342 Principles of Air Pollution
- GEOL 3383 Remote Sensing
- GEOL 4330 Introduction to Geophysics
- GEOL 4331 Geospatial Analysis and Applications
- GEOL 4379 Groundwater and Engineering Geophysics
- HON 3330 Leadership Theory and Practice
- **INDE 3333 Engineering Economy I ← topic on FE CIVIL Exam**
- INDE 4388 Engineering Leadership and Entrepreneurship
- MANA 3335 Introduction to Management and Organizational Behavior (enrollment requires appropriate business minor)
- MANA 4346 Leadership Development (enrollment requires appropriate business minor)
- MARK 3336 Elements of Marketing Administration (enrollment requires appropriate business minor)
- MATH 3336 Discrete Mathematics
- MATH 3363 Introduction to Partial Differential Equations
- MATH 4364 Introduction to Numerical Analysis in Scientific Computing
- MATH 4377 Advanced Linear Algebra I
- TECH 4310 Future of Energy and the Environment

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