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
- HIST 3394: How Disasters Shaped the American City (Selected Topics in US History) **New Spring 2022**
- 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

**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.**