

List of Approved CIVE Elective Substitutes

(Subject to change. See current version at www.cive.uh.edu/programs/undergraduate/advising.)

- **Maximum of one approved substitute** - other three electives must have CIVE prefix. Substitute is not required.
- **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, have prerequisites, and relate to civil engineering. To have a course evaluated, email items below to the Director of the BSCE Program (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 term.

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 (Requisites for BSCE majors = B- or better in first attempt of CIVE 3332 Materials and CIVE 3337 Structures and successful completion or concurrent enrollment in CIVE 4363 Concrete and CIVE 4364 Steel. Email Dr. Herman, rherman@uh.edu, for enrollment.)
- ARCH 4325 Building Systems Integration
- ARCH 4355 Houston Architecture
- BIOL 3359 Environmental Biology of Texas
- CNST 4302 Construction Law and Ethics (cannot 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 4320 Entrepreneurial Revenue
- ENTR 4330 Entrepreneurial Costs and Budgets
- ENTR 4340 Entrepreneurial Capital

You are NOT entitled to take courses on this list. You must satisfy course requisites or have permission from course instructor and department offering course. Contact instructor or department offering course for enrollment.

- ENTR 4350 Entrepreneurial Strategy
- ENTR 4360 Business Plan and Implementation
- GEOL 3334 Earthquakes
- 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
- **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
- MECE 3338 Dynamics & Control of Mechanical Systems (enrollment may require Mechanical Engr minor)

The courses listed below have been removed from the approved substitute list effective 08/17/22. (For students who took these courses prior to Fall 2022 – will need General Petition to use as sub)

ARCH 4373 Urban Environments

HIST 3394 How Disasters Shaped the American City

ENTR 3310 Entrepreneurship

HON 3330 Leadership Theory and Practice

ENTR 3311 Introduction to Technology Entrepreneurship

TECH 4310 Future of Energy and the Environment

ENTR 3312 Corporate Entrepreneurship

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