

Civil ET Technical Electives

A technical elective is any class, numbered over 300, in the College of Engineering that advances the student's competence level in their area of interest. Classes numbered 300 or above outside of the College of Engineering may be approved for use as a tech. elective if the technical content of the class is deemed sufficient.

What follows is a list technical electives and the corresponding basic study areas that have been used by CET students. Note: **only four** technical electives are required. If more than four courses are listed in any category it just means that you have a choice.

Construction (Recognized Emphasis)

ET 454	Advanced Construction Technology
ET 455	Cost Estimating and Scheduling
MGT 4xx	Covering some aspect of Project Management

Transportation (Recognized Emphasis)

ET 442	Intelligent Transportation Systems
ET 455	Cost Estimating and Scheduling
CE 479	Pavement Analysis and Design

Water/Wastewater Technology (Recognized Emphasis)

ET 321	Water and Wastewater Technology
CE 256	Environmental Science
CE 356	Fundamentals of Environmental Engineering
CE/ENVE 455	Solid and Hazardous Waste System Design

Renewable Energy (Recognized Emphasis)

ET 381	Renewable Energy Technologies
ET 382	Solar Energy
ET 384	Wind and Water Energy
ET 386	Green Building and Sustainable Construction

Building Utilities

ET 365	Building Utilities
ET 396	Heat Transfer and Applications
ET 401	Heating & Air Conditioning Systems

Structural

CE 315	Structural Mechanics I
CE 365	Intermediate Structural Mechanics
CE 443	Wood and Masonry Design
CE 444	Elements of Steel Design
CE 445	Reinforced Concrete Design