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 by the Program Coordinator and the Department Head.

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

**Construction (Recognized Concentration)**
- ET 454  Advanced Construction Technology
- ET 455  Cost Estimating and Scheduling
- ET 386  Sustainable Construction and Green Building Design
- MGT 4xx  Covering some aspect of Project Management

**Transportation (Recognized Concentration)**
- ET 472  Intelligent Transportation Systems
- ET 455  Cost Estimating and Scheduling
- CE 479  Pavement Analysis and Design

**Water/Wastewater (Recognized Concentration)**
- 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 Concentration)**
- 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

**Drafting (DACC)**
- DRFT 242/243 Roadway/Land Development Drafting

**Approved Surveying Electives**
- SUR 328  Principles and Practices of Construction Surveying
- SUR 330  Computer Applications of Surveying
- SUR 351  Introductory Survey Measurements, Analysis, and Adjustments
- SUR 361  Introduction to Geodesy
- SUR 370  Control Surveying
- SUR 384  Surveying Practicum