

# Civil Engineering Technology, B.S.

303-556-3227 South Classroom 226

Catalog 10-11

This sheet applies to the 2010-2011 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies	43 min
Major courses	53-57
Concentration	18
Additional required courses	12
<b>Total to graduate (min. 40 hrs. upper division)</b>	<b>129-135</b>

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

## GENERAL STUDIES

### Composition

- \_\_\_ ENG 1010-3 Freshman Comp: Essay
- \_\_\_ ENG 1020-3 Freshman Comp: Analysis, Research & Docum.

### Mathematics

- \_\_\_ can be met by Calculus I requirement

### Communications

- \_\_\_ SPE 1010-3 Public Speaking

### Historical

- \_\_\_ -3

### Arts & Letters

- \_\_\_ -3
- \_\_\_ -3 PHI 3360-3 Business Ethics

### Social Sciences

- \_\_\_ ECO 2010-3 Principles of Economics: Macro
- or** \_\_\_ ECO 2020-3 Principles of Economics: Micro
- \_\_\_ -3

### Natural Sciences

- \_\_\_ CHE 1100-4 Principles of Chemistry & CHE 1150-1 Lab
- \_\_\_ PHY 2311-4 General Physics I & PHY2321-1 Lab
- \_\_\_ PHY 2331-4 General Physics II & PHY2341-1 Lab

### Multicultural Requirement

- (*may be satisfied within General Studies, major, minor or electives*)
- \_\_\_ -3

Additional Requirements (also part of optional math minor)

- \_\_\_ MTH 1410-4 Calculus I (may meet general studies math requirement)
- \_\_\_ MTH 2410-4 Calculus II
- \_\_\_ MTH 2420-4 Calculus III

## MAJOR COURSES

- \_\_\_ CET 1100-3 Introduction to Civil Engineering Technology
- \_\_\_ CET 1215-3 Engineering Graphics
- \_\_\_ CET 2100-3 Structural Drawing
- \_\_\_ CET 2150-3 Mechanics I - Statics
- \_\_\_ CET 3120-3 Engineering Economy
- \_\_\_ CET 3135-3 Mechanics of Materials with Laboratory
- \_\_\_ CET 3170-3 Introduction to Structural Analysis
- \_\_\_ CET 3185-3 Fluid Mechanics I for Civil Engineering Technology
- \_\_\_ CET 3190-3 Fluid Mechanics II for Civil Engineering Technology
- \_\_\_ CET 3330-3 Environmental Technology Process
- \_\_\_ CET 4100-1 Senior Project I
- \_\_\_ CET 4110-2 Senior Project II
- \_\_\_ CET 4130-4 Soils Mechanics (Senior Experience)
- \_\_\_ CET 4135-3 Foundation and Geotechnical Engineering
- \_\_\_ CET 4150-3 Highway Engineering and Surveying
- \_\_\_ CET 4570-3 Engineering Law
- \_\_\_ COM2610-3 Introduction to Technical Writing
- \_\_\_ MET 3110-3 Thermodynamics
- \_\_\_ MET 3160-3 Mechanics II - Dynamics

One of the following:

- \_\_\_ CS 1050-4 \_\_\_ CSS 1247-4 \_\_\_ CSS 1510-4 \_\_\_ EET 2340-3

Choose one concentration:

Structures Concentration

- \_\_\_ CET 4120-3 \_\_\_ CET 4400-3 \_\_\_ CET 4450-3
- \_\_\_ CET 4140-3 \_\_\_ CET 4410-3 \_\_\_ -3 approved tech. elective

Construction Concentration

- \_\_\_ CET 3110-3 \_\_\_ CET 4120-3 \_\_\_ CET 4450-3
- \_\_\_ CET 4400-3 \_\_\_ -3 approved tech. elective

Mathematics Minor (optional) 24 credits

If considering graduate school studies in engineering or physical science, students are encouraged to select the mathematics minor.