**Civil Engineering Technology, B.S. Structures Concentration**

This sheet applies to the 2015-2016 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  
- 38 min.

Major courses  
- 72

Concentration  
- 18 min.

Total to graduate (min. 40 hrs. upper division)  
- 128-135

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### MAJOR COURSES:
(Students must earn a grade of "C" or higher in all major courses). See a faculty advisor

- **CET 1100 (3 hrs) Introduction to Civil Engineering Technology**
  - OR **CET 1040 (3 hrs) Introduction to Engineering**
  - **CET 1215 (3 hrs) Engineering Graphics**
  - **CET 2100 (3 hrs) Structural Drawing**
  - **ARCH 2003 (3 hrs) Building Structures**
  - **CET 2150 (3 hrs) Mechanics I - Statics**
  - **CET 3120 (3 hrs) Engineering Economy**
  - **CET 3135 (4 hrs) Mechanics of Materials with Laboratory**
  - **CET 3170 (3 hrs) Introduction to Structural Analysis**
  - **CET 3185 (3 hrs) Fluid Mechanics I for Civil Engineering Technology**
  - **CET 3190 (3 hrs) Fluid Mechanics II for Civil Engineering Technology**
  - **CET 3330 (3 hrs) Environmental Technology Process**
  - **CET 4100 (1 hr) Senior Project I**
  - **CET 4110 (2 hrs) Senior Project II**
  - **CET 4130 (4 hrs) Soils Mechanics (Sr. Exp.)**
  - **CET 4135 (3 hrs) Foundation and Geotechnical Engineering**
  - **CET 4150 (3 hrs) Highway Engineering and Surveying**
  - **CET 4570 (3 hrs) Engineering Law**
  - **COM 2610 (3 hrs) Introduction to Technical Writing**
  - **EET 2350 (3 hrs) Advanced Technical Programming**
  - **MET 3110 (3 hrs) Thermodynamics**
  - **MET 3160 (3 hrs) Mechanics II - Dynamics**
  - **MTH 2410 (4 hrs) Calculus II**
  - **MTH 2420 (4 hrs) Calculus III**
  - **PHY 2331 (4 hrs) General Physics II and PHY 2341 (1 hr) Lab**

### Structures Concentration:
- **CET 4120 (3 hrs)**
- **CET 4410 (3 hrs)**
- **CET 4140 (3 hrs)**
- **CET 4440 (3 hrs)**
- **3 approved technology elective**

**Multicultural Requirement**
(may be satisfied within General Studies)

### ELECTIVES