

## CET — Civil Engineering Tech

### **CET 115 Mechanical & Elect Sys 0-6-2**

This course is a study of mechanical and electrical design criteria for residential and light commercial structures.

### **CET 127 Building Const & Print Reading 3-3-4**

This course is a study of construction methods and print reading.

### **CET 140 Construction Financial Managem 3-0-3**

This course is the study of the fundamental financial management principles and accounting systems used to manage a construction company.

### **CET 210 Strength of Materials 2-3-3**

**Prerequisites:** EGR 190 or EGR 260

This course covers the effects of applying various types of loads to structural members and makes comparisons of allowable stresses and strains.

### **CET 216 Soil Mechanics 2-3-3**

This course covers soil types, their engineering properties, and techniques of field and laboratory identification and testing.

### **CET 218 Hydraulics 2-3-3**

**Prerequisites:** EGR 270

This course includes the fundamentals of flow, control, disposal of water, and flow through open and closed conduits, orifices, and weirs.

### **CET 230 Construction Management 2-3-3**

**Prerequisites:** EGR 170 and CET 127

This course covers the study of management of construction firms, including one or more of the following areas: bidding process, contracts, job costs, labor costs, and labor relations.

### **CET 242 Concrete Design 2-3-3**

**Prerequisites:** CET 210 or EGR 190 or EGR 260

This course covers the design of concrete structural members according to the ACI codes, quality control of concrete, and structural inspection.

### **CET 245 Cost Estimating 2-3-3**

This course includes a study of project cost and scheduling through the use of proven construction estimating techniques.

### **CET 246 Environmental Systems Tech 2-3-3**

This course covers a study of the sources, treatment, collection and distribution of water and waste water.

### **CET 251 Highway Design 2-3-3**

This course covers a study of the design and construction of a highway.

### **CET 260 Constr Manag Senior Project 2-3-3**

**Prerequisites:** CET 230

This capstone course promotes the integration of the knowledge and skills of the construction management technology field.