

CET — Civil Engineering Tech

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 is a study of the effects of applying various types of allowable stresses and strains.

CET 216 Soil Mechanics 2 - 3 - 3

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

CET 218 Hydraulics 2 - 3 - 3

This course is a study of the fundamentals of flow, control, flow through open and closed conduits, and determination of pressure and head losses in simple and complex piping systems.

CET 230 Construction Management 2 - 3 - 3

Prerequisites: *EGR 170 and CET 127*

This course studies the 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 studies project cost, analysis and quantity takeoffs through the use of proven construction estimating techniques. Computer spreadsheet software is utilized throughout the course.

CET 246 Environmental Systems Tech 2 - 3 - 3

This course studies 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 highways.

CET 252 Special Topics in Eng Tec 3 - 0 - 3

This course studies current, relevant topics in the field of civil engineering technology.

CET 260 Constru 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.