

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.