# CONSTRUCTION MANAGEMENT (432CMGT)

**Construction Management (432CMGT) 601**
**Introduction to Construction**
The course is designed to give the student a foundation in the basic concepts of construction. The course focuses on the fundamental skills needed in the industry for the core construction class; industry related terminology, construction processes and procedures, scale reading, applying construction calculation, measuring, tools and usage, and industry job descriptions. Writing assignments, as appropriate to the discipline, are part of the course.
2 Lecture hours. 2 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 602**
**Methods of Building Construction**
The course is designed to develop an understanding of the methods of construction of residential and commercial type building and includes a survey of different types of construction and their advantages and limitations. Writing assignments, as appropriate to the discipline, are part of the course.
2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 603**
**Building Materials and Testing**
Examination of the characteristics of materials such as wood, masonry, concrete, iron, and steel relative to their basic use in the construction industry. The physical properties of each will be studied relative to actual in-service behavior. This course is an introduction to the field and laboratory methods of testing soils, concrete, and steel. Writing assignments, as appropriate to the discipline, are part of the course.
2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 604**
**Blueprint and Specifications**
Designed to provide proper knowledge of blueprints reading as it relates the architectural or building construction industry. The course covers the theory of orthographic projections, reading floor plans and elevations drawings, symbols and notations, scaling and dimensioning practices, reading blueprints of structural information, electrical and mechanical trade drawings. Writing assignments, as appropriate to the discipline, are part of the course.
2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 605**
**Construction Cost Estimating**
This course is designed to provide the students with a basic introduction to the methods of construction, estimating and developing the associated costs. Students will gain a working knowledge of materials takeoffs, the estimating process, building and estimating spreadsheets, unit cost, assembles for different trades, overhead and profit. Manual and computer approaches to solving estimating problems will be used. Writing assignments, as appropriate to the discipline, are part of the course.
*Grade of C or better in 432CMGT 604 and CIS 120.*
2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 606**
**Construction Contracting Specs**
Introduction the functions and operations of a construction office, including bidding, construction contracts and specifications, bonds and insurance, labor law and labor relations. Legal aspects and interpretation of contracts and specifications. This course is designed to give the student a general working knowledge of the various types of contracts, specification, and delivery methods. Writing assignments, as appropriate to the discipline, are part of the course.
*Grade of C or better in 432CMGT 604.*
2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 607**
**Construction Scheduling/Management**
An introduction to the methods of construction scheduling and project management. Students will become familiarized with using different scheduling approaches, how to handle worksite paperwork, and to plan the need for manpower, materials, and equipment coordination with the project budget. The course will use manual and computer approaches to solving scheduling programs. Discussion and critical path methods (CPM) and analysis are included in the course. Writing assignments, as appropriate to the discipline, are part of the course.
*Grade of C or better in 432CMGT 604 and CIS 120.*
2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 608**
**Project Management**
This course is designed to provide the student with a basic understanding of the process of a construction project and provide the tools that are necessary to estimate or manage a construction project. Writing assignments, as appropriate to the discipline, are part of the course.
*Grade of C or better in 432CMGT 604, 607, and CIS 120.*
2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 609**
**Construction Safety II**
This course covers thirty (30) hours of training, required by the Occupational Health and Safety Act (OSHA) that apply toward the 30-hour Construction Industry course completion card. The course covers topics pertaining to regulations covered by Standard 28 CFR 1926. Upon successful completion of the course, participants will receive an OSHA construction safety and health 30-hour course completion card from the Department of Labor. Writing assignments, as appropriate to the discipline, are part of the course.
3 Lecture hours. 3 Credit Hours.
**Offered At:** KK

**Construction Management (432CMGT) 610**
**Construction Internship**
This course is designed to give the student the practical application of current construction methods. There will be a variety of projects from the residential and commercial sectors. The sites selected will vary due to availability and weather. Writing assignments, as appropriate to the discipline, are part of the course.
*Consent of Department Chairperson.*
3 Laboratory hours. 3 Credit Hours.
**Offered At:** KK