

CNBT - CONSTRUCTION ENGINEERING TECH

CNBT 1280 Cooperative Education - Construction Engineering Technology/Technician 2 Credit Hours (1 Lec, 10 Lab)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

Course Type: Technical/Vocational Course

CNBT 1300 Residential and Light Commercial Construction Drawings 3 Credit Hours (2 Lec, 2 Lab)

Introduction to construction drawings with a focus on residential and light commercial construction.

Course Type: Technical/Vocational Course

CNBT 1302 Mechanical, Electrical & Plumbing Systems in Construction I 3 Credit Hours (2 Lec, 3 Lab)

A presentation of the basic mechanical, electrical, and plumbing components in construction and their relationship to residential and light commercial buildings.

Course Type: Technical/Vocational Course

CNBT 1311 Construction Materials and Methods I 3 Credit Hours (2 Lec, 3 Lab)

Introduction to construction materials and methods and their applications.

Course Type: Technical/Vocational Course

CNBT 1313 Concrete I 3 Credit Hours (2 Lec, 4 Lab)

Various techniques for concrete utilization in residential and light commercial construction.

Course Type: Technical/Vocational Course

CNBT 1342 Building Codes and Inspections 3 Credit Hours (3 Lec)

Building codes and standards applicable to building construction and inspection processes. Prerequisites: DFTG 1425, CNBT 2342

Course Type: Technical/Vocational Course

CNBT 1346 Construction Estimating I 3 Credit Hours (2 Lec, 2 Lab)

Fundamentals of estimating materials, equipment, and labor costs in construction.

Course Type: Technical/Vocational Course

CNBT 1359 Project Scheduling 3 Credit Hours (2 Lec, 3 Lab)

A study of conventional scheduling using critical-path-method, precedence networks, bar charts, monthly reports, and fast-track scheduling.

Course Type: Technical/Vocational Course

CNBT 1416 Construction Technology I 4 Credit Hours (2 Lec, 4 Lab)

Introduction to site preparation foundations, form work, safety, tools, and equipment.

Course Type: Technical/Vocational Course

CNBT 2305 Building and Contracting 3 Credit Hours (2 Lec, 3 Lab)

Basic process of organizing and operating a building or contracting business.

Course Type: Technical/Vocational Course

CNBT 2342 Construction Management I 3 Credit Hours (2 Lec, 2 Lab)

Overview of the construction industry and management skills on the job site. Topics include written and oral communications, leadership and motivation, problem-solving, and decision-making.

Course Type: Technical/Vocational Course

CNBT 2344 Construction Management II 3 Credit Hours (2 Lec, 3 Lab)

A management course in contract documents, safety, planning, scheduling, production control, law and labor issues. Topics include contracts, planning, cost and production peripheral documents, and cost and work analysis.

Course Type: Technical/Vocational Course

CNBT 2346 Construction Management III 3 Credit Hours (2 Lec, 3 Lab)

Advanced course work in construction safety, project management, scheduling, material handling, layout, payment scheduling, and inspection.

Course Type: Technical/Vocational Course

CNBT 2435 Computer Aided Construction Scheduling 4 Credit Hours (2 Lec, 4 Lab)

Advanced construction scheduling utilizing computer scheduling software to perform various scheduling procedures. Prerequisite: CNBT 2342

Course Type: Technical/Vocational Course