

Architectural/Engineering Design

TECH PREP

Brick Center

2 Year Program

Mr. Kirk Goebel

This course is for high school and post secondary students interested in architectural, mechanical, and civil engineering careers. Skills for drafting and design of architectural, civil engineering and mechanical components are emphasized. Hand drafting methods and Computer Aided Drafting/Design (CADD) are utilized.

Related Job Titles

CADD Technician
Mechanical Drafter
Architectural Drafter
Civil Engineer Drafter

Skills You Will Learn

- Drafting of technical/mechanical components
- Drafting and Design of residential structures
- Drafting and design of civil engineering plans
- CADD technologies
- Hand drafting methods

Worker Requirements

You should:

- Prefer doing detailed work
- Possess organizational and logical work habits
- Be willing to continue professional development

You should be able to:

- Apply mathematics towards problem solving
- Understand basic algebra and geometry
- Read and comprehend technical information

Physically you must:

- Have good hand-eye coordination
- Be able to sit for long periods of time

Career Ladder

CADD technicians with several years of experience may advance to supervisory positions. They may train other employees in the use of CADD systems. Drafters/technicians can continue their education to become Registered Architects or Professional Engineers.

Continuing Education

Ocean County College
Mercer County Community College
Brookdale Community College
New Jersey Institute of Technology
Rutgers University

Tech Prep agreements are in place with Ocean County College, enabling students to receive up to 11 college credits, and with Mercer County Community College, enabling students to receive up to 6 college credits. Successful completion of both the OCVTS 2-year curriculum and college administered challenge exams are required to obtain credits.