

# *Construction Management Technology*

# **Construction Management**

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*Construction Management Technology combines construction related and business subjects. This program will be of interest if you want to coordinate construction projects, work in a contractor's office, or be your own boss in the construction industry. You will find this program valuable if you want to be involved in the designing, building, inspecting, estimating, scheduling, or supervising of construction projects.*

## **What You'll Learn...**

- Solving problems in a logical, systematic way
- Drafting and using computer-aided drafting
- Reading and interpreting construction drawings
- Performing basic accounting procedures for different types of accounts and payroll
- Using basic management and labor principles and concepts
- Interpreting and applying reference and technical information
- Preparing estimates and specifications

## **What You'll Earn...**

- A competitive salary with excellent opportunities for advancement
- Employment opportunities as an engineering aide, materials and job estimator, specification writer, building inspector, or supervisor/project manager
- The opportunity to broaden and advance your skills in new areas
- The opportunity to practice your profession and, in time, start your own business

## **Why You'll Succeed...**

- Many of the higher paying jobs, now and in the future, will be in a technical career field requiring an education beyond high school
- Employees with degrees tend to be more eligible for promotion\*
- Associate degree holders generally earn more than high school graduates\*
- College credit may be awarded for relevant work experience
- Many credits from an Associate Degree may be applied toward a Bachelor Degree

*\*Statistics from U.S. Department of Commerce, Bureau of Census*

# Construction Management

You can enroll in the Construction Management Technology on either a full-time or part-time basis. The length of time required to complete an Associate Degree depends on the number of courses you take each semester. Some students may need refresher courses at the basic or pre-tech level; others may receive transfer credit or credit for work experience. Delaware Tech operates on a semester system with new terms beginning in late August and mid-January, plus summer terms beginning at the end of May and in mid-June. You can start taking courses any semester or summer term; however, all technical courses may not be offered every term.

## Required Technical Courses

**Cost Estimating and Planning** includes the preparation of material lists and take-off quantities from plans and working drawings.

**Contracts and Specifications** studies the interpretation and preparation of specification and other construction documents, along with the legal implications.

**CAD** presents a comprehensive hands-on knowledge of computer-aided drafting as it applies to the civil engineering field utilizing AutoCAD 2000 software.

**Construction Blueprint Reading** provides the fundamentals of reading and interpreting residential and light commercial construction drawings.

**Architectural Drafting & Design** presents basic architectural technology and drafting techniques through the drawing of plans, elevations, sections, details, and schedules as used in residential construction documents.

**Surveying Theory & Practice** emphasizes use of surveying equipment and its practical applications.

**Construction Materials & Methods** covers construction, materials, and methods as they relate to the building industry.

**Accounting I** presents a basic introduction to accounting principles and procedures.

**Business Law** studies the American system of law with emphasis on legal rights and the social factors that influence business.

**Principles of Management** introduces the management functions of planning, organizing, staffing, motivating, controlling, and utilizing strategies to deal with internal and external environment forces.

## Related Courses

Technical Writing & Communication  
Composition  
Algebra & Trigonometry I & II  
Human Communications

Introduction to Economics  
Social Science Elective  
Critical Reading & Thinking

## Getting Started

1. Obtain an application by calling (302) 857-1020. Complete and return to Terry Campus with a \$10 application fee.
2. Take the College Placement Test (CPT) *unless college-level math, reading, and English courses have been completed with a "C" grade or better*. The CPT will determine appropriate placement and is scheduled by the Admissions Office.
3. Request that high school and/or college transcripts be sent to the Admissions Office.
4. Meet with a Delaware Tech counselor to discuss CPT results.
5. Meet with advisor to plan schedule.
6. Apply and register early for the best selection of courses.

## Standards of Excellence

❖ Students use the most current lab equipment and are prepared upon graduation for all construction-related careers.