



# CIVIL ENGINEERING TECHNOLOGY

ENGINEERING, SCIENCE & MATHEMATICS CAREER PATHWAY



## BUILD YOUR FOUNDATION FOR A SUCCESSFUL STEM CAREER AT TCC.

Your courses will provide practical knowledge and expertise in civil drafting, civil materials, building fundamentals, surveying, soils, and fluid mechanics.

You can also take practical electives in drafting, environmental engineering, concrete, construction, surveying, and geographic information systems.

## PROGRAMS

### ASSOCIATE OF APPLIED SCIENCE IN CIVIL ENGINEERING TECHNOLOGY

*Complete in as few as 4 semesters / 63-64 credits*

Learn the fundamentals of engineering technology; surveying; construction materials and testing; computer-aided drafting and design; and soil and fluid mechanics. Graduates can pursue a bachelor's degree in civil engineering technology at Old Dominion University or an online bachelor's in mapping and surveying at East Tennessee State University.

### CAREER STUDIES CERTIFICATES

Focus your professional competency in a single subject with a career studies certificate. All credits from these certificates can be applied towards the civil engineering technology degree.

#### CAREER STUDIES CERTIFICATE IN CONSTRUCTION PROJECT MANAGEMENT

*Complete in as few as 2 semesters / 24-25 credits*

Areas of study include building codes, construction fundamentals, construction project management, scheduling, estimating, and OSHA 30 construction safety. You'll gain the skills necessary to oversee both residential and commercial construction.

#### CAREER STUDIES CERTIFICATE IN LAND SURVEYING

*Complete in as few as 2 semesters / 26 credits / 100% Online*

This comprehensive program is available entirely online and covers topics including fundamental and advanced surveying theory and application, GPS surveying, geographic information systems, and surveying law. This is an approved apprentice program recognized by the commonwealth's Department of Professional and Occupation Regulation. Graduates are prepared to take the Virginia Fundamentals of Surveying Examination.



## TCC FAST FACT

**You'll have access to a state-of-the-art concrete and soils lab, fluids lab, and top-of-the-line surveying equipment.**

## POSSIBLE CAREER PATHS

As a graduate of one of these programs you can head directly into the workforce and find employment as a:

- Civil engineering technician
- Civil draftsman
- Geographic information systems technician
- Construction inspector
- Land surveyor
- Construction project manager

## IS THIS PROGRAM FOR YOU?

Yes, if you:

- have an aptitude for science and technology
- demonstrate strong problem-solving skills
- work well in teams

## PROGRAM AVAILABILITY

- Virginia Beach
- Online

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**TIDEWATER COMMUNITY COLLEGE**  
From here, go anywhere.™

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