Civil Engineering Technology

Educating future engineering technicians to help design, construct, and maintain our civil engineering infrastructure: bridges, roads, dams, culverts, airports and more.

The Basics

There has always been a need to expand and maintain America's infrastructure. Ever-increasing traffic and the demands of the traveling public mean there's a constant need for new roads, highways, bridges, etc. The Civil Engineering Technician, working as the eyes and ears for the engineer, ensures that these infrastructure projects get designed and built to last. Surveying, inspecting, designing, and constructing are all important aspects of an infrastructure project, and each one is taught in DMACC’s CET program.

Where can you work & what can you earn?

Civil Engineering Technicians work in the private and public sector. Graduates of this program go to work for city engineering offices, county engineering offices, state highway departments, private consulting firms, private testing labs, private surveying firms, highway contractors and more. Companies will pay an estimated $39,000–$45,000 starting salary* plus full benefits packages, for graduates of DMACC’s 2-year Civil Engineering Technology program.

*salary based on 2018 placement data, with excellent advancement potential

This program will give you the education needed, to work in a rewarding and growing industry.

What will I learn in this program?

- How to read highway and bridge plans
- How to operate surveying equipment and process the data obtained
- How to sample and test materials used on highway projects
- How to inspect highway and infrastructure projects
- How to design (including how to use computer aided drafting)
- The technical skills necessary to be the engineer’s representative

“This program was a life-changer for me and has boosted me into and toward the top of a career I am proud of.”

- Joe Snethen
- 2005 Graduate

Since its inception in 2000, DMACC has graduated over 250 civil engineering technicians with a placement rate of over 95%.

Consider joining this group of CET graduates, and have your testimonial added to the growing list of success stories.

800-362-2127 | DMACC.EDU/CET
Required Courses

- Engineering Fundamentals
- Materials Testing
- Surveying Fundamentals
- Construction Inspection
- Introduction to Drafting
- Engineering Surveying
- Applied MATH II

- Soils and Erosion Control
- Asphalt and Concrete Plant Inspection
- Roadway and Highway Design
- Land Surveying
- Statics and Structural Design
- Construction Documents
- 3 credit hours of a Social & Behavioral Elective
- 9 credit hours of communication electives

Classes are not listed in the order they are to be taken. Please work with an advisor when planning a schedule.

Average starting salaries
$39,000 - $45,000

Opportunity for a paid internship with typical pay range of $14 - $16/hour

Learn more about CET job prospects at dmacc.edu/cet

All courses are taught by experienced engineers or engineering technicians who have worked as professionals in the field. Five instructors with 50+ years of teaching experience and 100+ years of industry experience will provide you with real-life examples and practical education.

Project Lead the Way

If you took Project Lead the Way courses in your high school, the CET program is happy to give you credit for those (up to 6 credits). EGT460 will transfer in as CET 101, Engineering Fundamentals, and EGT400 will transfer in as CET158, Introduction to Drafting. CET recognizes the skills and knowledge you gained in PLTW, and is happy to reward you with college credit.

Civil Engineering Technology is offered at the DMACC Boone Campus

For more information contact:

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