



MACHINE TECHNOLOGY

MANUFACTURING & TRANSPORTATION CAREER PATHWAY



HIGH-TECH INDUSTRIES NEED HIGH-TECH EMPLOYEES!

Machinists are skilled workers who are able to read and interpret blueprints, use common hand tools, set up and operate metal cutting machines, and use precision measuring instruments to design and manufacture parts from simple pieces such as nuts and bolts to complex, high-tech components.

Tidewater Community College's machine technology program is designed for both entry-level students hoping to launch their careers and experienced craftspeople wanting to upgrade their skills.

Up-to-date curriculums provide the current theoretical, technological, and practical experience employers need, and focus on hands-on operation of machine tools, precision measurement, computer numerical controls operation and programming, and more!

PROGRAMS

CAREER STUDIES CERTIFICATE IN COMPUTER NUMERICAL CONTROLS (CNC) OPERATOR

Complete in as few as 2 semesters / 22 credits

You'll have classes in numerical controls, machine shop practices, orientation to engineering and technologies, and introduction to computeraided manufacturing. In addition, you can learn in the field with a 3-credit cooperative education internship during your final semester.

CAREER STUDIES CERTIFICATE IN BASIC METAL AND PLASTIC MACHINE OPERATOR

Complete in just 1 semester / 16 credits

Basic metal and plastic machine operators adjust machines to control speed, material feed, and path of the cut, and ensure the machines are set up and operating properly. Courses will cover machine blueprint reading, machine shop safety, theory and practice in lathe and milling machines, and use of standards, such as the Machinery's Handbook.



TCC FAST FACT

Students are prepared to sit for certification exams from the National Institute of Metal Working Skills Standards.

POSSIBLE CAREER PATHS

These certificates prepare you to operate computer numerical controlled machines in shipyards, factories, and advanced manufacturing settings.

IS THIS PROGRAM FOR YOU?

Yes, if you:

- enjoy working with your hands
- want to know how machines work
- work well as part of a team

PROGRAM AVAILABILITY

- Chesapeake

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TIDEWATER COMMUNITY COLLEGE
From here, go anywhere.™

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