



Program Details

Department: Engineering Technology

Degree: Associate of Science

Duration: 2 Years

Career focus/Specialization: CNC Machining, CAD Designing, Automation

Overview

Manufacturing & Automation Technicians focus on the cutting-edge technologies and processes that keep modern manufacturers running. They use skills in a wide range of areas, including computer-aided design (CAD) software, machining, lathes, milling equipment, robotics, machine design, and automation systems. A typical day in this fast-paced field might include programming/setting up and operating CNC lathes; creating, reading and interpreting mechanical drawings, blueprints, and cutting plans; troubleshooting a milling process or machining program; doing quality control product inspections; working with automation equipment; operating and maintaining 3D printers; working with plasma cutters; creating 3D models; or designing a new production tool.

What You Will Learn:

- Testing/maintenance of electromechanical components
- Milling and CNC machining processes and programming
- Programming and operating robotic control systems
- Designing mechanical and electrical components using CAD software

Career Paths

- Manufacturing Technician
- Mechanical Engineering Technician
- Robotic Assembly Technician
- CAD Designer
- CNC Machinist

Job Outlook

Modern manufacturing plants rely on an array of computerized machines and systems, which all require skilled operators to program, operate, and maintain. The US Bureau of Labor Statistics projects steady employment growth, with US salaries averaging \$56,700 for engineering technicians.



APPLY TODAY!

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➤ Higher Education. Lower Obstacles.

Programs at a glance

Certificates

- Automotive Technology*
- Industrial Electronics Technology*
- HVAC&R Technology*
- Network & Systems Support*
- Practical Electricity*
- Software Development*

Associate Degrees

- Automotive Technology
 - Electric Vehicle Technology concentration
- Biotechnology
- Computer Information Technology (3 concentrations)
 - Cybersecurity
 - Network & Systems Support
 - Software Development
- Construction Management
- Engineering Technology (4 concentrations)
 - Manufacturing and Automation Technology
 - Building Energy Management
 - Mechatronics Technology*
 - Renewable Energy Technology
- Opticianry

Bachelor's Degrees

- Business Management
- Electrical Engineering

*College credits earned in this program can be applied (or "stacked") toward a related higher degree at Franklin Cummings Tech.



Here at Franklin Cummings Tech, we prepare our students to meet the ever-evolving needs of the future. Our programs offer students the opportunity to learn beyond textbooks, **make the world better for the next generation**, and experience lifelong career success.

Top Reasons to Choose Franklin Cummings Tech

1 Career-Focused

Our programs prepare you for the future. We help you find careers in high-demand fields, in roles where you will be paid well and can support your family. In fact, most of our programs boast **80-90%** job placement rates. Our partnerships with industry leaders and job fairs lead to real-world experience and careers for our graduates.

2 Affordable

Our tuition cost is **less than half** of the average tuition at four-year non-profit colleges or for-profit technical schools in Massachusetts. Here, you can enjoy school and the economic opportunities that come with a degree at a price you can afford. That is why **97% of our students receive financial aid**. Your future matters, especially to us.

3 Flexible

We offer day and evening classes to meet your schedule. Some programs take less than a year to prepare you for **immediate entry** into the workforce. When you're ready to continue your education, you can apply (or "stack") your 1-year certificate credits toward an associate or bachelor's degree. This flexibility helps you find a great job, quickly.

4 Supportive

We offer small classes—with no big lecture halls—allowing you to receive the individualized attention you need to thrive. Success coaches provide you personalized support every step of the way, which is why most Franklin Cummings students finish on time.

We are an Affirmative Action/Equal Opportunity institution that does not discriminate on the basis of age, race, religion, color, creed, national or ethnic origin, sex, sexual orientation, handicap, or disability in its education programs, employment, or in admissions to, access to, or treatment in its programs or activities.