



Electrical Engineering

Program Details

Bachelor of Science in Electrical Engineering **Duration:** 4 years

Career focus/Specialization: Electric power engineering

“Stackable” Pathways to the degree:

- 1-Year Certificate in Industrial Electronics Technology
- Associate Degree in Engineering Technology

Overview

Inspired by Ben Franklin’s experiments with electricity, our college offers one of the only Electric Power Engineering programs in the region, and by far the least expensive. Electrical power engineers are responsible for the efficient operation of the electrical power grid. Students also study power electronics, the ability to convert electrical power of one form (AC, DC, low or high voltage and current) to different formats with nearly 100% efficiency. Accredited by the Engineering Accreditation Commission of ABET, our rigorous bachelor’s program boasts a four-year graduation rate that is 60% higher than the national average—in large part because of the hands-on labs and strong student support to enhance student success. Articulation agreements allow engineering students to transfer directly from AA programs at Roxbury CC and Bunker Hill CC.

What You Will Learn

- Analog and Digital Circuit Design
- Control Systems
- Computer Programming
- Electric Power Systems
- Embedded Systems
- Project Management

Career Paths

- Design Engineer
- Test Engineer
- Electrical Products Engineer
- Research Engineer

Job Outlook

As solar and wind power provide more of the world’s increasing electricity needs, there will be much higher demand for electrical power engineers at every stage from production to delivery of power to the end user. These engineers will create and improve systems for handling distributed electric power. The number of jobs for Electrical Engineers in the US is expected to top 338,000 by 2029. (Source: US Bureau of Labor Statistics)



Learn more at franklincummings.edu/EE

APPLY TODAY!

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617.588.1368

➤ 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.