

**SCIENCE, TECHNOLOGY,
ENGINEERING AND MATH (STEM)**



Hands-on
Higher Ed

SHAPE TOMORROW

Unleash your potential in the dynamic world of STEM. Guided by industry experts, these programs are designed to foster innovation and critical thinking in high-demand fields like engineering, mechanical design, electronics and more. Our students gain hands-on experience, problem-solving skills and a deeper understanding of the fundamental principles that shape our modern world – and they graduate ready to hit the ground running on day one.

Biomedical Electronics Technology

69-credit AAS | wctc.edu/bio-medical

POTENTIAL CAREERS:

Biomedical Electronics Technician, Biomedical Equipment Technician

With a reliance on technology to test and monitor patients, biomedical electronics technicians ensure medical equipment is safe, functional and properly set up. In this program, gain skills to work with technical equipment, including bedside monitor systems, electrocardiogram (EKG) machines and other devices related to patient care. Learn to install, test, calibrate and repair biomedical equipment. *This is a Milwaukee Area Technical College partnership program.*

[Click here for program courses](#)

Electrical Engineering Technology

60-credit AAS | wctc.edu/electrical-eng

POTENTIAL CAREERS:

Electrical Engineering Technologist, Engineering Assistant, Electrical Technician

Electrical engineering technologists' work involves the design, development, production, testing, manufacturing and repair of electronic and electrical equipment. In this calculus-based program, gain skills necessary to apply knowledge of electrical theory to numerous settings, including research and development, manufacturing, field service engineering among others.

[Click here for program courses](#)

Electronics Systems Technology

60-credit AAS | wctc.edu/electronics

POTENTIAL CAREERS:

Electronics Technician, Electronics Repair Technician, Field Services Coordinator

Develop the skills needed to design, fabricate, test, troubleshoot and repair electronic systems. Gain hands-on skills with microcontrollers, communications, data acquisition, electronic assembly, motors and controls, programmable logic controllers and mechanical repair. Learn to effectively use hand tools and electronic test equipment.

[Click here for program courses](#)

Manufacturing Engineering Technology

60-credit AAS | wctc.edu/mfg-eng

POTENTIAL CAREERS:

Engineering Technician, Process Technician, Quality Control Engineering Technician

Manufacturing engineering technology blends knowledge from multiple subject areas, such as science, math, computers and mechanical/electrical engineering to solve problems in manufacturing. Technicians assist engineering and management in the creation of new products and improvement of production processes. In this program, develop a comprehensive background in manufacturing and lean processes, automated manufacturing and modern design methods.

[Click here for program courses](#)

[Lean Enterprise | 12-credit Cert](#)

Mechanical Design Technology

60-credit AAS | wctc.edu/mech-design

POTENTIAL CAREERS:

Mechanical Designer, Mold Designer, CAD Drafter

Mechanical designers combine design skills with mechanics to develop complex visual plans that assist engineers in creating specific products. These technical renderings show intricate details, dimensions and structures, and indicate materials and procedures. In this program, study computer-aided drafting using current computer-aided design applications, and learn about manufacturing processes, material strength, basic mechanisms and three-dimensional modeling.

[Click here for program courses](#)

Mechanical Engineering Technology

66-credit AAS | wctc.edu/mech-eng

POTENTIAL CAREERS:

Engineering Technician, Senior Designer, CAD Drafter, Design Technician

Mechanical engineers solve problems and determine functional solutions through math, science and technology. In this program, learn how to model design concepts in two and three dimensions. Use calculus to analyze forces, determine how they influence motion, and assess the combined stresses they produce within materials. Specify engineering design parameters and select materials for given applications.

[Click here for program courses](#)

[Mechatronics for Electronic Technicians | 17-credit Cert](#)

"When I started at WCTC, I knew in the first semester that I made the right decision. What I was learning was interesting and challenging."

Michael Leggett, Mechanical Engineering

Technology '20



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wctc.edu/apply-online

Ready to take a closer look?

We'd love to show you around! Explore our state-of-the-art training facilities, cutting-edge technology, helpful student resources and more – in person or online.

Take a Campus Tour

Join us for a guided walking tour to get a first-hand look at our facilities and learn about all WCTC has to offer.



wctc.edu/visit

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Our friendly enrollment counselors are here to help you navigate the process of becoming a WCTC student.

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