Mechanical Engineering Technology

66-credit Associate of Applied Science Degree
www.wctc.edu/mech-eng

If you are a creative, analytical thinker skilled in math, and you enjoy solving problems, mechanical engineering technology may be the field for you. Those in this field have a wide range of mechanical skills, from computer design to print reading to project management.

About This Program
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.

What Makes This Program Unique
• WCTC’s program is accredited by the Engineering Technology Accreditation Commission of ABET.
• ABET accreditation confirms that the Mechanical Engineering Technology program meets the quality standards that create successful graduates.
• Gain hands-on learning in real-world settings through optional technical internship experiences.
• Articulation agreements with four-year universities can provide substantial cost savings.

Career Salaries
$41,000 – $59,000 annually
Salary range estimates based on wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Individual wages may vary based on experience, industry, location and specific job requirements.

Potential Careers
• Engineering Technician
• Senior Designer
• CAD Drafter
• Design Technician
• Mold Designer

PROGRAM CODE 10-606-2
Credits

CORE COURSES:
420-160 Manufacturing Processes - Cold  2
606-114 GD&T  3
606-115 Technical Drafting/CAD  4
606-116 Machine Design Elements  3
606-117 Computer Programming Engineers  3
606-121 Technical Statics  4
606-123 Solid Mechanics  3
606-135 Engineering Design Projects I  2
606-145 Engineering Design Projects II  2
606-162 Manufacturing Process - Hot  2
606-169 Dynamics  3
606-170 Kinematics  3
606-186 3D/Parametric Design  3
606-189 Finite Elem Analysis/Engineers  3

GENERAL STUDIES:
801-136 English Composition 1  3
801-196 Oral/Interpersonal Comm  3
804-156 Calculus 2  4
804-198 Calculus 1  4
809-166 Intro to Ethics: Theory & App  3
806-187 Calculus Based Physics 1  3
809-195 Economics  3
809-199 Psychology of Human Relations  3

WCTC prohibits discrimination or harassment based on any status protected by applicable state or federal law.