



# Mechanical Engineering Technology

66-credit Associate of Applied Science Degree

[www.wctc.edu/mech-design](http://www.wctc.edu/mech-design)

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.



### Career Salaries

\$45,500 – \$76,800 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

## What Makes This Program Unique

- 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.



PROGRAM CODE 10-606-2

## CORE COURSES

Credits

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
606-137	Measurement/Experimentation	3
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
806-187	Calculus Based Physics 1	3
809-195	Economics	3
809-199	Psychology of Human Relations	3



WAUKESHA COUNTY TECHNICAL COLLEGE

Hands-on Higher Ed