



Mechanical Design Technology

60-credit Associate of Applied Science Degree

www.wctc.edu/mech-design

If you have an interest in computer design and drafting programs, have a strong analytical mind and a desire to learn, a career as a mechanical design technician might be right for you. Those in this field work closely with mechanical engineers to develop and manufacture specialty equipment and products.

About This Program

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.



Career Salaries

\$44,400 - \$72,700 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

Mechanical Designer
Mold Designer
CAD Drafter
Design Technician
Design Detailer

What Makes This Program Unique

- You'll benefit from hands-on learning in real-world settings through technical internship experiences.
- Develop skills working with a variety of hand and power tools.
- Gain an introduction to three-dimensional printing in the program lab.



PROGRAM CODE 10-606 -1

CORE COURSES

Credits

420-160	Manufacturing Processes - Cold	2
606-104	CAD Drafting & Design	4
606-114	GD&T	3
606-115	Technical Drafting/CAD	4
606-116	Machine Design Elements	3
606-117	Computer Programming Engineers	3
606-118	Basic Mechanisms	3
606-120	Statics	4
606-122	Strength of Materials	3
606-124	Internship-Mechanical Design 1	
606-125	Machine Design Problems	3
606-162	Manufacturing Process - Hot	2
606-186	3D/Parametric Design	3

GENERAL STUDIES

801-136	English Composition 1	3
801-196	Oral/Interpersonal Comm	3
804-114	College Technical Math 1B	2
804-116	College Technical Math 2	4
806-143	College Physics 1	3
809-166	Intro to Ethics: Theory & App	3
809-199	Psychology of Human Relations	3
890-108	Employment Success	1



WAUKESHA COUNTY TECHNICAL COLLEGE

Hands-on Higher Ed