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.

What Makes This Program Unique
- You’ll benefit from hands-on learning in real-world settings through technical internship experiences.
- It allows you to develop skills working with a variety of hand and power tools.
- It provides an introduction to three-dimensional printing in the program lab.

Career Salaries
$42,000 – $60,000 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
- Mechanical Designer
- Mold Designer
- CAD Drafter
- Design Technician
- Design Detailer

PROGRAM CODE 10-606 -1

Credits

**CORE COURSES:**
- 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