Western Michigan University’s Manufacturing Engineering (M.S.) is designed to provide advanced competencies in the areas of computer-aided manufacturing, computer-aided design and analysis, and integrated processing of polymers, metals, and other materials.

The program was developed for decision-makers in manufacturing, engineering design, process engineering, quality assurance, and tooling design.

It focuses on educating manufacturing engineers that can plan, test, produce and fabricate consumer and industrial products and equipment.

A working engineer can complete this program in three years while maintaining full-time employment.

Opportunities to conduct research through project and thesis options are offered.

WMU’s Department of Industrial and Manufacturing Engineering is a Registered Education Provider for the Project Management Institute®.
Manufacturing Engineering (M.S.)

Teaching, Research, and Program Focus Areas
Program graduates can look forward to career opportunities at higher levels of responsibility and compensation. The Master of Science in Manufacturing Engineering requires 30 credit hours of work that includes 15 hours of core courses and 15 hours of electives. The specific career path objectives of the individual may be met by focusing the electives and optional thesis or project. The master’s degree candidate will work with his/her academic advisor to tailor all elective course work.

Opportunities for manufacturing engineers continue to develop with the rapid expansion of the knowledge base. Faculty members in the Industrial and Manufacturing Engineering Department currently work in the areas of Integrated Design, Plastics Processing, Process Evaluation, Metal Casting, Dimensional Metrology, Fabrication and Assembly, Engineering Management and Human Performance.

Admissions
A candidate for admission must: 1) Possess a baccalaureate degree with a major in a technical field such as engineering or technology; 2) Submit GRE scores for the General Test; 3) Show evidence of competency in computer programming, mathematics through the calculus level, statistics, two semesters of physics, and one semester of chemistry; 4) Possess a GPA of 3.0 or better during the last 2 years of undergraduate work; and 5) Have completed undergraduate courses or work experience in CAD, CAM, materials, metrology, quality control, and manufacturing processes. If a candidate’s background is deficient, foundation courses will be required. For additional application information and materials visit program website: wmich.edu/ime/manufacturing.html

Graduate Assistantships/Associateships
While positions are available in the Industrial & Manufacturing Engineering Department, there are very few available to first year masters level students.

Contacts
Dr. Steven E. Butt, Professor and Chair
steven.butt@wmich.edu

Department of Industrial and Manufacturing Engineering:
(269) 276-3350
ime-info@wmich.edu

Western Michigan University
One of the top-100 public universities in the United States, Western Michigan University offers many nationally known graduate programs, including 29 doctoral and 64 master’s degrees. More than 20 percent of its 25,000 students are enrolled in graduate course work.

Kalamazoo
With a population of more than 325,000, Kalamazoo is the sixth largest metropolitan area in Michigan and among the 150 largest in the country. Kalamazoo is rated one of the 25 best cities in the country for young college graduates, and is located midway between Chicago and Detroit.