Western Michigan University’s Computer Engineering (M.S.E.) program involves the study of computer engineering in a wide variety of areas, including digital design, computer architecture, digital electronics, real-time embedded systems, and fuzzy logic.

- The M.S.E. is offered within an environment of engagement, innovation and leadership.
- Internship opportunities in research and development are available as are teaching and research assistantships.
- The program yields excellence in computer engineering research and development.
- Classes are taught by experienced faculty.
Teaching, Research, and Program Focus Areas

Electrical and computer engineering faculty have a strong track record in funded research and scholarly activity. Current faculty research areas include real-time embedded systems, reconfigurable digital systems, biomedical engineering, signal processing, image processing, sensors and nanotechnology, biological neural networks, fuzzy logic, energy conversion, power electronics systems, communications and networking, and control systems.

Students take courses from the computer engineering concentration area (Computer Architecture and Digital Design). In addition, they choose an elective concentration area from:

- Communications and Signal Processing,
- Control Systems, or
- Electronics and Power Systems.

Admissions

Applicants must possess a B.S. degree in computer engineering from an ABET accredited program in the U.S. or a reputable overseas school as certified by the WMU Office of International Student Services. Applicants must have a grade point average of 3.0 or better (A=4) in the last two years of undergraduate work. In borderline cases a suitable GRE Quantitative Score is also required.

A student with a bachelor’s degree in computer science, engineering, mathematics, physics, or science can be considered for probationary admission into the MSCE program with full admission granted after completing undergraduate courses in computer engineering specified by the department. Other application information is available on the department website: wmich.edu/ece/academics/admissions

Graduate Assistantships/Associateships

About ten Graduate Assistantships are available annually. The selection process is very competitive.

Contacts

Dr. Janos Grantner, Computer Engineering M.S.E.
janos.grantner@wmich.edu

Department of Electrical and Computer Engineering:
(269)276-3154

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.