ENGINEERING MANAGEMENT
MASTER OF SCIENCE

PROGRAM COMPONENTS AND COURSE REQUIREMENTS

<table>
<thead>
<tr>
<th>COURSE</th>
<th>DESCRIPTION</th>
<th>CR</th>
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<tbody>
<tr>
<td>EM 5050</td>
<td>Continuous Improvement in Operations</td>
<td>3 cr</td>
</tr>
<tr>
<td>EM 5080</td>
<td>Advanced Quality Management</td>
<td>3 cr</td>
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<tr>
<td>EM 6000</td>
<td>Concepts and Principles of Engineering Management</td>
<td>3 cr</td>
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<tr>
<td>IE 6060</td>
<td>Capital Budgeting and Cost Analysis</td>
<td>3 cr</td>
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<tr>
<td>EM 6120</td>
<td>Production/Operations Management</td>
<td>3 cr</td>
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<tr>
<td>EM 6140</td>
<td>Project Management</td>
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*Plus 12 credits of elective courses

FROM KALAMAZOO TO KENYA

I joined a diverse network of professionals, students, and faculty that challenged my perspectives and developed my approach, both personally and professionally. The faculty is distinguished in their own right, and the program design is current, engaging, and impeccably executed. It’s no surprise that it consistently ranks as one of the TOP PROGRAMS IN THE NATION.

CHRISTOPHER CUMMINGS,
ENGINEERING MANAGER, STRYKER MEDICAL R&D

THE INNOVATION YOU WANT, THE FLEXIBILITY YOU NEED

One of seven ASEM accredited programs that is designed with the working professional in mind at WMU-Grand Rapids or WMU-Punta Gorda.

Engineering Management is the degree that bridges the gap between engineering and business, focusing on leadership and skills necessary to manage people, money, projects and systems.

Hybrid degree offered in the Punta Gorda area meets just three weekends a semester, while Grand Rapids offers the traditional college classroom experience.

The program is delivered by full-time faculty with experience from University of Florida, Virginia Tech, Penn State and Michigan State, with each having over 20 years instructing and working within organizations like Ford, Stryker, and Steelcase. You’ll be given ample time to finish the program so you can learn part-time and earn your degree at a pace that best suits your lifestyle.

EARNED CREDENTIALS

PMI
36 Professional Development Credits

IISE
Continuing Ed Partnership with IISE for Greenbelt

ASEM
Associate Engineering Manager Certification

ADDITIONAL INFORMATION

www.wmich.edu/extended/academics/engineering-management
WESTERN MICHIGAN UNIVERSITY

Western Michigan University is a national research university enrolling nearly 24,000 students from across the United States and 100 other countries. The University supports research centers and public-service clinics that work with partners nationwide to make new discoveries and improve people’s lives.

The College of Engineering and Applied Sciences is a leader in shaping new concepts of engineering and technical education as well as research, creation and innovation.

WMU’s IEEEM Department is a Registered Education Provider of the Project Management Institute.

WELCOME TO SOMEDAY

WHERE ENGINEERING AND MANAGEMENT MEET

The Master of Science in Engineering Management can be earned in as little as 2 years and requires 30 credit hours of work that includes 18 hours of core courses and 12 hours of approved electives. The specific career path objectives of the individual may be met by focusing the electives and optional thesis or project. The demand for leadership in modern manufacturing and service-based industries has dramatically increased the need for people with technical and managerial skills. Because engineering management graduates understand materials, processes, and people, they are looked upon as ideal candidates for leadership positions in industry. The variety of career opportunities open to those who have both technical competence and managerial skills is growing and will continue to grow.

MANAGING PEOPLE, MONEY, AND PROJECTS

WMU’s M.S. in Engineering Management prepares students for success and for leadership positions in the engineering and technical fields. It focuses on developing core leadership and managerial skills and abilities to lead technical organizations while interacting with all elements of that organization. This program has an emphasis on understanding the connection between the engineering and technical world and the business insight needed to lead and succeed as a senior manager.

BENEFITS TO STUDENTS:
• More influence in your organization
• Greater job responsibility
• Higher earning potential
• Rapid career advancement

LEARN MORE
ONLINE OR BY PHONE:

WMU-Regional and Online
wmich.edu/extended
(269) 387-4200 or
(941) 833-5360