

## ADMISSION REQUIREMENTS

- An accredited undergraduate degree in engineering, business, economics, math, computer science or other physical sciences and at least two years of practical work experience.
- The undergraduate cumulative GPA required is a B (3.0/4.0) or better for acceptance as a regular graduate student to the program. An applicant with a lower GPA may be granted conditional/probationary admission consistent with Rackham guidelines.

*Non-Resident tuition scholarships are available contact department for details.*



*For more information or for an application please contact or visit:*

University of Michigan-Dearborn  
IMSE Department (2340 EC)  
4901 Evergreen Road  
Dearborn, MI 48128-1491

Phone: 313-593-5361

FAX: 313-593-3692

E-mail: [imsedep@engin.umd.umich.edu](mailto:imsedep@engin.umd.umich.edu)

[www.engin.umd.umich.edu/IMSE/gradprog](http://www.engin.umd.umich.edu/IMSE/gradprog)



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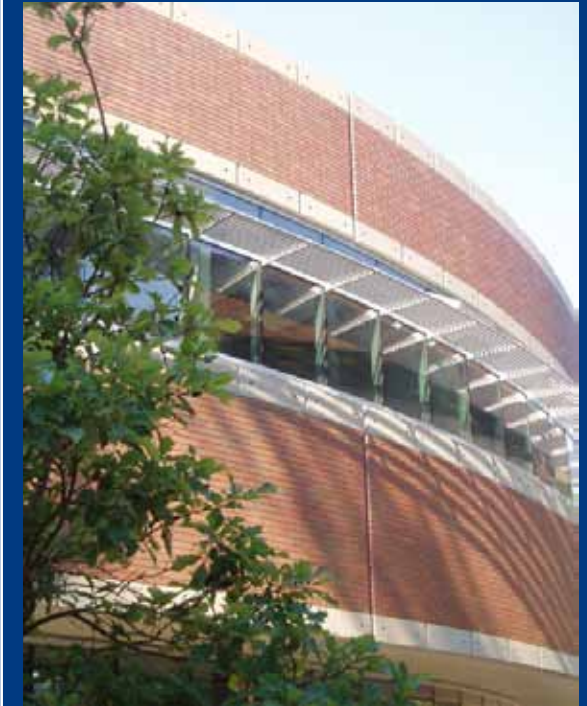
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*The University of Michigan-Dearborn is a Non-Discriminatory,  
Affirmative Action Educator and Employer*

The  
Degree  
that Makes the  
Difference™

## Master of Science in Program & Project Management



Department of Industrial and  
Manufacturing Systems Engineering



COLLEGE OF  
ENGINEERING AND  
COMPUTER SCIENCE

[www.engin.umd.umich.edu/IMSE](http://www.engin.umd.umich.edu/IMSE)

Master of Science in  
**Program &  
 Project Management**

Nationwide, there is an increasing demand for skilled and experienced professionals who can develop, deploy, and manage locally and globally developed programs in a timely and efficient manner. The M.S. in Program and Project Management (PPM) is a 30-semester-hour graduate degree designed to address this growing need. It is suitable for technical professionals from various industries (e.g., engineering, information technology, military, government, healthcare, energy, and transportation) who need to deepen their understanding of program and project management and would like to make a transition from team members to program managers.

The M.S. (PPM) program draws upon the expertise of the college's faculty members and industry practitioners and is designed to provide a comprehensive and practical knowledge of the foundation of program and project management. While principles and theories are explained, the emphasis of the program is on how to apply them in order to swiftly and efficiently plan and organize resources so that programs and projects are completed on schedule and on budget, with high-quality results. This program is thus ideal for professionals who want to enhance their ability to integrate complex projects, motivate people, and achieve cost-effective outcomes.



## Program Course Offering

The course offerings for the M.S. (PPM) are scheduled during late afternoon and evening hours to enable students to earn the degree through part-time study. The program is also available online.

## PMP Certification

Program core courses are designed to provide graduates with a strong foundation to pursue certification as a Project Management Professional (PMP).

## Curriculum

### CORE COURSES (21 credits)

|            |   |     |
|------------|---|-----|
| IMSE 515   | Fundamentals of Program Management          | (3) |
| IMSE 516:  | Project Management and Control              | (3) |
| IMSE 517:  | Managing Global Programs                    | (3) |
| IMSE 5205: | Engineering Risk-Benefit Analysis           | (3) |
| IMSE 5215: | Program Budget, Cost Estimation and Control | (3) |
| OB 510:    | Organization Behavior                       | (3) |
| EMGT 590:  | Capstone Project                            | (3) |

### APPROVED ELECTIVES (9 credit hours)

|            |  |     |
|------------|--|-----|
| IMSE 510:  | Probability and Statistical Models             | (3) |
| EMGT 525:  | Total Quality Management and Six Sigma         | (3) |
| EMGT 541:  | Accounting Fundamentals for Decision Making    | (3) |
| EMGT 520:  | Production Management                          | (3) |
| EMGT 580:  | Management of Product and Process Design       | (3) |
| EMGT 530:  | Information Systems for Engineering Management | (3) |
| IMSE 5655: | Supply Chain Management                        | (3) |
| HRM 561:   | Human Resource Management                      | (3) |
| OB 612:    | Organization Change and Management             | (3) |
| CIS 575    | Software Engineering Management                | (3) |

*Additional elective courses from other units in UM-D could also be considered with advisor's approval.*

*Thesis option may be elected with the approval of the graduate advisor which will count for six (6) credit hours of graduate coursework replacing capstone project (EMGT 590) and three (3) credit hours of elective coursework.*

## Employment

According to odinjobs.com US job market overview, Michigan has one of the largest number of (more than 50,600) project manager and program manager jobs in US with the median salary of \$75,000. Furthermore odinjobs.com market overview shows that project and program manager job market is very strong. In March 2009 there were more than 1,900 program and project manager job openings in Michigan and 77,000 job openings in United States.

## PREREQUISITES

Course work in probability and statistics that can be satisfied by completing IMSE 510 as part of approved electives within the first two semesters of the admission into the program.