ENGINEERING MANAGEMENT (M.S.)

The department offers two options for a Master of Science in Engineering Management (EMMP). Students should read both sections carefully to determine which program they are eligible for.

On-campus Program

The on-campus Master of Science in Engineering Management program is designed to build both technical competence and business acumen. The program builds understanding and skills critical to the support of fast-to-market strategies, which also guarantee product quality, and cost minimization. A systematic analytical framework is developed and coupled with tools for managing the engineering and technical functions within manufacturing-based companies. This cross-disciplinary program draws from the expertise of the College of Engineering and the School of Business Administration.

Admission Requirements

Admission to this program is contingent upon admission to the Graduate School (http://bulletins.wayne.edu/graduate/general-information/admission). The program is intended for the practicing engineer or technical leader with an undergraduate degree from an accredited engineering program, who possesses at least two years of full-time work experience. The work experience requirement is waived for U.S. based students who are currently working full-time in an engineering type job.

On-site Program (Automotive Supplier)

The on-site (automotive supplier) Master of Science in Engineering Management program is limited to working professionals at organizations with a partnership agreement with the Department of Industrial and Systems Engineering. Engineers with high potential are selected by management to participate in a three-year, two-evenings-per-week curriculum. The courses are team based, and include two years of class studies and team projects in areas such as leadership, quality management, global marketing, robust design, and information systems. The final year of the program involves a team capstone project, which provides application of the knowledge gained to a current strategy or opportunity within their organization.

Admission Requirements

Admission to this program is contingent upon admission to the Graduate School (http://bulletins.wayne.edu/graduate/general-information/admission) and is limited to management selected individuals from partner organizations. For more information on admission or becoming a partner organization, please contact the EMMP program chair.

On-campus Program

Plan A: Minimum thirty-six credits including six to eight thesis credits. Submit the thesis credit registration approval form to register for ISE thesis credits.

Plan C: Minimum thirty-six credits of course work.

Plan A and C require fifteen credits of common core, three credits of quality, six credits from the Business School. Up to six additional credits may be earned in courses outside the Industrial and Systems Engineering Department, and require approval of the graduate advisor. All course work must be completed in accordance with the regulations of the Graduate School (http://bulletins.wayne.edu/graduate/general-information/academic-regulations) and the College of Engineering.

On-site Program (Automotive Supplier)

Plan B: Thirty-nine credits including a six to nine credit final project. There are four core segments: engineering management, business cognate, engineering cognate, and capstone project.

All course work must be completed in accordance with the regulations of the Graduate School (http://bulletins.wayne.edu/graduate/general-information/academic-regulations) and the College of Engineering (http://bulletins.wayne.edu/graduate/college-engineering/academic-regulations).