

# ENGINEERING MANAGEMENT (MENG)

## Master of Engineering in Engineering Management

Unit: Speed School of Engineering (<http://engineering.louisville.edu>) (SP)

Department: Industrial Engineering (<https://engineering.louisville.edu/academics/departments/industrial/>)

Academic Plan Code(s): EM\_ \_MEN, EM\_ \_MENO

## Program Information

*This program can be completed* entirely online (<http://louisville.edu/online/programs/masters/master-of-engineering-in-engineering-management/>).

The Department of Industrial Engineering of the J.B. Speed School of Engineering offers an online program in Engineering Management. The program is designed to build upon the student's mathematical and analytical expertise gained from prior engineering, math, or related scientific education as well as upon his or her professional experience gained in the course of active engineering employment.

## Degree Requirements

The following degree requirements are mandatory of all Master of Engineering candidates:

- The program of study must be completed with a 3.00 GPA or better for all graduate courses used to satisfy degree requirements. Additionally, the program of study must be completed with a 3.00 GPA or better for all academic work attempted in graduate studies.
- Master's degree students must take at least 24 credit hours of coursework at the University of Louisville to satisfy the residency requirement for the master's degree. A maximum of six (6) credit hours of graduate credit may be transferred from accredited institutions.
- The total requirements must be completed within six years after admission into graduate studies. The time limit imposed by the rule may be extended in individual cases upon recommendation of the department chair and approval of the associate dean for academic and student affairs.

## Admission Standards

The admission standards for the MEng program in engineering management are as follows:

- All admission applications for the program shall include:
  - A completed graduate application (<http://louisville.edu/graduate/futurestudents/apply-materials/application/>) for the Graduate School
  - Application fee
  - At least two letters of recommendation
  - Personal statement or resume
  - Official transcript(s) for all previous post-secondary coursework. All transcripts not in English must be certified as authentic and translated verbatim into English.
- The minimum requirement for admission is the Bachelor of Science degree or its equivalent in engineering, math, or related scientific field from an accredited institution.

- The minimum undergraduate grade point average that will be considered for unconditional acceptance and admission to the program is 2.75 on a 4.00 scale.
- International students whose primary language is not English must show English language proficiency by either TOEFL/IELTS/Duolingo score or demonstration of a degree awarded from an acceptable English language institution. The successful applicant will typically have a TOEFL score of 80 or higher or overall IELTS score of 6.5 or higher or a Duolingo score of 105 or higher.

Admission in good standing shall be made only if all admission credentials have been received, evaluated and approved and all academic requirements met. A student may be admitted provisionally if academic requirements are met but application materials are incomplete (usually missing letters of recommendation or official transcripts). Students have one semester to furnish any credentials missing at the time of admission and may not enroll for a second consecutive term in provisional status.

Any conditional acceptance shall be made on an individual basis and shall require a statement of the rationale for the exception, plans for monitoring progress and performance and stated success criteria. Such justification must be provided in writing and must be accepted by the program chair and the Speed School associate dean for academic affairs. This will allow consideration of special circumstances in which the potential for acceptable graduate performance has been clearly demonstrated by other means.

## Program Requirements

The Master of Engineering in Engineering Management degree requires the following courses.

Code	Title	Hours
EM 613	Operations Management <sup>2</sup>	3
EM 661	Engineering Statistics II	3
EM Electives <sup>1</sup>		15
Technical Electives <sup>1</sup>		9
<b>Minimum Total Hours</b>		<b>30</b>

Candidates for the Master of Engineering degree must be completed with a 3.00 GPA or better for all graduate courses used to satisfy degree requirements.

Additionally, the master of engineering degree must be completed with a 3.00 GPA or better for all academic work attempted in graduate studies.

- <sup>1</sup> Electives must be chosen so that at least one-half of the credits counted toward the degree, are 600-level. Technical Electives may be taken within or outside the Department. All selections require the approval of the student's faculty advisor.
- <sup>2</sup> Students with a BS Industrial Engineering degree from Speed School will not receive credit for both EM 613 & EM 661. They will be required to take two additional courses in the EM program.