

MECHANICAL ENGINEERING (MS)

Master of Science in Mechanical Engineering

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

Department: Mechanical Engineering (<https://engineering.louisville.edu/academics/departments/mechanical/>)

Academic Plan Code(s): ME_ _MS

Program Information

The Master of Science (MS) degree program is intended for persons having an accredited baccalaureate degree in mechanical engineering but is available to those with other backgrounds. Applicants with other backgrounds may need to take some undergraduate coursework to meet pre-requisites for graduate courses. Students interested in the MS degree program should consult the Director of Graduate Studies in the Department of Mechanical Engineering.

Degree Requirements

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.

The requirements for the Master of Science degree are discussed in more detail in the Degree Requirements (<https://catalog.louisville.edu/graduate/general-policies-procedures-requirements/degree-requirements/>) section of this catalog.

Admission Standards

The admission standards for the master of science program in mechanical engineering are as follows:

1. All admission applications for the program shall include:
 - a. A completed graduate application (<http://louisville.edu/graduate/futurestudents/apply-materials/application/>) for the Graduate School,
 - b. An application fee,
 - c. At least two letters of recommendation, and
 - d. Official transcript(s) for all previous post-secondary coursework. All transcripts not in English must be certified as authentic and translated verbatim into English.
2. The minimum requirement for admission is the baccalaureate degree or its equivalent from an accredited institution.
3. The successful applicant will typically have an undergraduate grade point average of 2.75 or above (on a 4.00 scale).
4. 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 79 or higher or overall IELTS score of 6.5 or higher or a Duolingo score of 105 or higher.

Program Requirements

The minimum curricular requirements for the master's degree program are:

Code	Title	Hours
ME Electives ¹		15
Technical Electives ^{1,2}		9
Select one of the following:		6
<i>Thesis Option</i>		
ME 690	Master of Science Thesis or Paper in Mechanical Engineering ³	
<i>Non-Thesis Option</i>		
ME Electives ¹		
Minimum Total Hours		30

The master of science degree must be completed with a 3.00 GPA or better for all graduate courses used to satisfy degree requirements. Additionally, the master of science degree must be completed with a 3.00 GPA or better for all academic work attempted in graduate studies.

- ¹ Electives must be chosen so that at least one-half of the credits counted toward the degree, exclusive of thesis, are 600-level.
- ² Technical Electives can be ME or non-ME courses. Technical Electives must be approved by the department.
- ³ For the thesis option, a student is required to select both an approved MS thesis topic and the director and members of the thesis committee during the first term of Graduate Studies. The thesis director must give approval for enrollment in ME 690.