MECHANICAL ENGINEERING, MASTER OF SCIENCE IN ENGINEERING

The Master’s Degree Program

The department offers a variety of options to earn the master’s degree, known as the Masters of Science and Engineering degree in Mechanical Engineering.

Essay Option

Students writing an essay will successfully complete a coordinated sequence of eight courses and graduate research, and submit a master’s essay (sometimes known as a “thesis”). The degree typically requires three to four semesters of study.

There are two options to complete the essay:

• Conduct Laboratory Research
  • Work with world-renowned engineering professors by conducting original research to produce an essay worthy of publication.

• Work in a Cooperative Educational Environment (Co-Op)
  • To broaden the practical training for master’s students, the Institute for Nanobiotechnology (INBT) (https://inbt.jhu.edu/) teams with companies to provide an immersive master’s industry “co-op” experience (https://inbt.jhu.edu/masters/) in a professional working environment. Goals and objectives are developed for the student in conjunction with faculty and INBT academic advisors, which will be used to complete the master’s essay.

All-Course Option

Students completing an “all-course” degree will successfully complete a coordinated sequence of ten courses. A master’s essay or thesis is not required for this degree, which typically requires three semesters of study.

Both options provide students with an intensive exposure to advanced topics in mechanical engineering and strengthens understanding of engineering fundamentals.

Where Do our Master’s Graduates Go?

Visit our Master’s Alumni page (https://me.jhu.edu/mse-alumni-by-year/) to see where our graduates have made their mark around the world. You, too, can join this elite group with an admission to our master’s degree program!

Admissions

To be admitted to graduate study in the Department of Mechanical Engineering, applicants must submit credentials sufficient to convince the faculty that they will thrive in a program of advanced course work and/or research. Graduate Record Examination scores must be submitted.