

MASTER of ENGINEERING: MECHANICAL (MEM)

The Master of Engineering: Mechanical (MEM) program consists of 30 credit hours of graduate level coursework. Coursework must be completed with a grade point average of 3.0 or higher (see Graduate Catalog for relevant details). The requirements are designed to provide a general program and to allow for some concentration of study within Mechanical Engineering. It will be possible to complete this program taking courses in the late afternoon, early evening, and/or in a distance format.

The MEM degree can be completed with either full-time or part-time matriculation. The full-time MEM can be completed in one calendar year by taking 24 total credits in the fall and spring semesters (four courses per semester) and six credits through online learning during winter and/or summer sessions. For more information on part-time MEM options please contact Engineering Outreach.

This degree is not available to students who have been enrolled in the MSME degree program and is not eligible for direct financial support (such as fellowships, assistantships or tuition scholarships) from the University of Delaware.

I. Course Requirements

The following five courses are required (15 credits):

- MEEG 690 Intermediate Engineering Mathematics
- Four from the following list:
 - ✓ MEEG 610 Intermediate Solid Mechanics
 - ✓ MEEG 620 Intermediate Dynamics
 - ✓ MEEG 630 Intermediate Fluid Mechanics
 - ✓ MEEG 640 Intermediate Heat Transfer
 - ✓ MEEG 683 Orthopedic Biomechanics

Students may petition the Graduate Committee to substitute a more advanced (e.g., 800-level) course on the same topic for one of these required courses.

Two additional graduate level courses (6 credits) in Mechanical Engineering. Three credits of MEEG 868 Research can be used toward this requirement. The student makes this selection with the documented approval of the department's Graduate Committee, which has the authority to decide on acceptable courses.

Three additional graduate level courses (9 credits) in engineering, mathematical, physical or biological sciences or business and economics. The student makes these selections with the documented approval of the department's Graduate Committee, which has the authority to decide on acceptable courses.