

MECHANICAL ENGINEERING (CAPITAL)

Degree Requirements

Master of Science (M.S.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (<https://gradschool.psu.edu/graduate-education-policies/>)

A minimum of 31 credits at the 400, 500, 600, or 800 level is required, including 24 course credits with at least 15 credits at the 500 level, 1 credit of ME 590, and 6 credits of thesis research (ME 600 or ME 610).

Code	Title	Credits
Required Courses		
EMCH 524A	Mathematical Methods in Engineering	3
ME 590	Colloquium	1
Students take 9 credits in one of the following concentrations. A list of courses that will count towards these concentrations is maintained by the program office.		9
Thermo-Fluids Science		
Mechanical Science		
Materials Science		
Electives		
Students take 12 credits of electives from a list of approved electives maintained by the program office. To incorporate breadth into the program, students are required to take at least one elective course in a Concentration Area other than the one they complete.		12
Culminating Experience		
ME 600	Thesis Research	6
or ME 610	Thesis Research Off Campus	
Total Credits		31

A maximum of 3 400-level courses (9 credits) can be counted towards the degree requirements for the M.S. A minimum of 12 credits must be earned in 400- and 500-level courses in Mechanical Engineering.

Students who have deficiencies in the use of spoken or written English may be required to take courses in these areas in addition to the specified degree requirements. Credits earned to remediate deficiencies cannot be applied towards requirements for the M.S. degree.

Degree requirements must be completed within six years of admission to degree status.