

REQUIREMENTS FOR THE MASTER OF SCIENCE
GALLOGLY COLLEGE OF ENGINEERING
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2024 through Spring 2025

General Requirements	
Minimum Total Hours (Thesis)	30
Minimum Total Hours (Non-Thesis)	36

Program
Mechanical Engineering
M675
Master of Science

Minimum Total Hours (Thesis): 30

Minimum Total Hours (Non-Thesis): 36

Program Code: M675

The requirements listed on this degree check sheet apply to the following concentrations in Mechanical Engineering:

- Combustion - M675 Q126
- Controls - M675 Q151
- Fluid Mechanics - M675 Q256
- Heat Transfer - M675 Q321
- Mechanical Engineering General - M675 Q448
- Solid Mechanics - M675 Q618

Thesis Option

Code	Title	Credit Hours
Course Requirements		
Choose 24 hours of graduate level coursework from the following:		24
At least 12 hours of AME courses at the 5000 level or higher ¹		
At least 3 hours of graduate-level coursework in Mathematics or advanced Engineering analysis		
Up to 9 hours of approved graduate-level courses ²		
Thesis		
AME 5980	Research for Master's Thesis	6
Total Credit Hours		30

¹ No more than 3 hours in Special Projects, Guided Individual Studies, or other non-competitively graded enrollments.

² Approved graduate-level courses chosen from other fields of engineering, the physical sciences, and mathematics; or AME courses, including G4000-level courses not required for the B.S. degree in the major field. Thesis students who elect a 2-hour laboratory course may include 1 additional hour of Special Projects of Guided Individual Studies in their program.

Non-Thesis Option

Code	Title	Credit Hours
Course Requirements		
Choose 36 hours of graduate level coursework from the following:		36
At least 18 hours of AME courses at the 5000 level or higher ¹		
At least 3 hours of graduate-level coursework in Mathematics or advanced Engineering analysis		
Up to 12 hours of approved graduate-level courses ²		
Total Credit Hours		36

- ¹ AME hours may include up to 3 hours Special Projects and up to 3 hours Guided Independent Studies. (Students who elect a 2-hour laboratory course may include 1 additional hour of either of these individual instruction enrollments.)
- ² Approved graduate-level courses chosen from other fields of engineering, the physical sciences, and mathematics; or AME courses, including G4000-level courses not required for the B.S. degree in the major field. For non-thesis students, the 12 hours may include up to 3 hours of additional enrollment in non-competitively graded courses, and up to 6 hours of G4000-level AME courses not required for the B.S. degree in the major field.

General Requirements for all Master's Degrees

The master's degree requires the equivalent of *at least* two semesters of satisfactory graduate work and additional work as may be prescribed for the degree.

All coursework applied to the master's degree must carry graduate credit.

Master's degree programs which require a thesis consist of *at least* 30 credit hours. All non-thesis master's degree programs require *at least* 30 credit hours.

Credit transferred from other institutions must meet specific criteria and is subject to certain limitations.

Courses completed through correspondence study may *not* be applied to the master's degree.

To qualify for a graduate degree, students must achieve an overall grade point average of 3.0 or higher in the degree program coursework and in all resident graduate coursework attempted. A student must also have at least a 3.0 in all coursework (including undergraduate coursework if any).

Additional information for master's degree students may be found in the Graduate College Bulletin.

More information in the catalog: (<http://ou-public.courseleaf.com/gallogly-engineering/aerospace-mechanical-engineering/mechanical-engineering-master-science/>).