

# AEROSPACE ENGINEERING, MASTER OF SCIENCE

**Minimum Total Hours (Thesis):** 30  
**Minimum Total Hours (Non-Thesis):** 36

**Program Code:** M010

The requirements listed apply to the following concentrations in Aerospace Engineering:

- Aerodynamics - M010 Q026
- Aerospace Engineering General - M010 Q028
- Composites - M010 Q136
- Fluid Mechanics - M010 Q256
- Structures - M010 Q631

## Thesis Option

Code	Title	Credit Hours
<b>Mathematics/Advanced Engineering Analysis</b>		
	Choose 3 hours of graduate-level coursework in mathematics or advanced engineering analysis	3
<b>Aerospace and Mechanical Engineering</b>		
	Choose 12 hours of AME courses at the 5000 level or higher <sup>1</sup>	12
<b>Electives</b>		
	Choose 9 hours <sup>2</sup>	9
<b>Thesis</b>		
AME 5980	Research for Master's Thesis	6
Total Credit Hours		30

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

<sup>2</sup> 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 or Guided Individual Studies in their program.

## Non-Thesis Option

Code	Title	Credit Hours
<b>Mathematics/Advanced Engineering Analysis</b>		
	Choose 3 hours of graduate-level coursework in mathematics or advanced engineering analysis	3
<b>Aerospace and Mechanical Engineering</b>		
	Choose 18-21 hours of AME courses at the 5000 level or higher <sup>1</sup>	18-21
<b>Electives</b>		
	Choose 12-15 hours <sup>2</sup>	12-15
Total Credit Hours		36

- <sup>1</sup> 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.)
- <sup>2</sup> 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.

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* 32 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.