

MASTER OF SCIENCE IN AEROSPACE ENGINEERING

At the graduate-level, the School of Aerospace Engineering offers master's and doctoral degrees. In addition, the School offers a distance learning-based master's degree.

The master's degree may be earned by completing 33 semester hours of coursework, which may include 3 credit hours of Special Problems research credit. Alternatively, the candidate may elect to complete twenty-four semester hours of coursework along with nine hours of MS thesis work. In the latter option, the candidate must propose a thesis topic, complete the thesis, and successfully defend it before being awarded the degree. A GPA of 2.7 is required to graduate with an MS degree. All coursework, including Special Problems, must be taken on a letter-grade basis. The program of study for the master's degree is very flexible and can be tailored, in agreement with the student's advisor, to meet the candidate's professional goals.

For further details governing the graduate program, access the Aerospace Engineering Graduate Handbook at www.ae.gatech.edu. Graduate students may specialize in the following areas: aerodynamics and fluid mechanics, aeroelasticity and structural dynamics, flight mechanics and control, propulsion and combustion, structural mechanics and materials behavior, and system design and optimization. Further information on these areas of specialization and research can be found here.

The Master of Science in Aerospace Engineering is also offered online through the Distance Learning Program.

Non-Thesis Option

A GPA of 2.7 is required to graduate with an MS degree

Code	Title	Credit Hours
AE 8002	AE Graduate Seminar ¹	
Coursework ^{2,3}		
AE, other technical, and non-technical courses ^{4,5,6,7}		27
Mathematics ⁸		6
Total Credit Hours		33

¹ AE 8002 must be completed within first year

² Must be taken on letter-grade basis

³ Twenty-four (24) hours minimum must be 6000-level or higher

⁴ A minimum of twelve (12) hours of AE courses (excluding AE 8900) is required.

⁵ A maximum of six (6) hours of non-technical courses may be used here. Non-technical are those outside of the College of Engineering, College of Sciences, and College of Computing.

⁶ Technical courses are those offered by the College of Engineering, College of Sciences, and College of Computing.

⁷ A maximum of three (3) hours of AE 8900 may be counted towards the 33 credit hour total.

⁸ Courses that may satisfy the Mathematics requirement: Any MATH 4000-level or higher, CS 7530, ECE 6601, ISYE 6413, ISYE 6414, ISYE 6416, ISYE 6650, ISYE 6739, PHYS 6124, PHYS 6125, PHYS 6268, PUBP 6114

Thesis Option

A GPA of 2.7 is required to graduate with an MS degree

Code	Title	Credit Hours
AE 8002	AE Graduate Seminar ¹	
Coursework ^{2,3}		
AE, other technical, and non-technical courses ^{4,5,6}		18
Mathematics ⁷		6
Thesis		
AE 7000	Master's Thesis	9
Propose a thesis topic, complete the thesis, and successfully defend the thesis		
Total Credit Hours		33

¹ AE 8002 must be completed within first year.

² Must be taken on letter-grade basis.

³ Fifteen (15) hours minimum must be 6000-level or higher.

⁴ A minimum of nine (9) hours of AE courses (excluding AE 7000) is required.

⁵ A maximum of three (3) hours of non-technical courses may be used here. Non-technical are those outside the College of Engineering, College of Sciences, and College of Computing.

⁶ Technical courses are those offered by the College of Engineering, College of Sciences, and College of Computing.

⁷ Courses that may satisfy the Mathematics requirement: Any MATH 4000-level or higher, CS 7530, ECE 6601, ISYE 6413, ISYE 6414, ISYE 6416, ISYE 6650, PHYS 6125, PHYS 6268, PUBP 6114.

BS/MS Honors Program

A combined BS/MS honors program is also offered that prepares students for graduate studies and research. Please see www.ae.gatech.edu for more information.