

# MS AEROSPACE ENGINEERING

## Program Learning Objectives

1. Competency in advanced mathematics, science, and aerospace engineering knowledge.
2. Ability to apply advanced mathematics, science, and aerospace engineering knowledge to a project that is conducted independently.
3. Make a specific contribution to a field that is relevant to aerospace professionals.
4. Ability to convey effectively engineering ideas and results both orally and in writing.
5. Awareness of professional and ethical responsibility.
6. Awareness of global, contemporary issues related to aerospace engineering and the society at large.
7. Awareness of rapid advancement of modern technology and ability for life-long learning.

### Required Courses

MATH 501	Analytic Methods in Applied Mathematics	4
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MATH 502 or approved numerical methods elective		4
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### Advisor Approved Electives

500-level AERO courses		16
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400-500 level courses from the College of Engineering or College of Science and Mathematics		12
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### Culminating Experience

AERO 599	Thesis (Design Project) (2, 2, 5)	9
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<b>Total units</b>		<b>45</b>
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