

# AERONAUTICS AND SPACE SYSTEMS CERTIFICATE

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The graduate certificate in Aeronautics and Space Systems is a convenient program for scientists and engineers to enhance and update their skills in modern high technology systems. The program is designed for project engineers and managers of Aerospace systems, and includes classes in a wide range of Aerospace systems, including spacecraft design, communication and optical systems, and propulsion.

Upon completion of the certificate program the student may apply to the M.S. program in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

## Admission Requirements

- B.S. degree or higher in any engineering discipline, computer science, physics, or consent of the Graduate Director
- Two years' work experience is preferred

## Graduation Requirements

Completion of three of the following courses (9 semester hours) with a 2.7 grade point average or higher.

Code	Title	Semester Hours
Select three of the following:		9
SYEG 570	Spacecraft Design	
SYEG 572	Spacecraft Communications and Radar	
SYEG 584	Occupy Mars: Explorations in Space Travel and Colonization	
SYEG 586	Launch Vehicle Technology and Design Evolution	
SYEG 587	Resilient Space Systems Design	
SYEG 588	Satellite Guidance, Control, and Operations	
MECH 544	Propulsion	
<b>Total Semester Hours</b>		<b>9</b>