

GRADUATE CERTIFICATE IN AEROSPACE ENGINEERING

Requirements Effective Fall 2023

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Select 9 credits from the following courses:		9
MECH 507	Laser Diagnostics for Thermosciences	
MECH 515	Advanced Topics in Mechanical Vibrations	
MECH 517	Chemical Rocket Propulsion	
MECH 518	Orbital Mechanics	
MECH 519	Aerospace Vehicles Trajectory and Performance	
MECH 520	Finite Element Analysis in Mechanical Engr	
MECH 539	Advanced Fluid Mechanics	
MECH 551	Physical Gas Dynamics I	
MECH 552	Applied Computational Fluid Dynamics	
MECH 557	Turbomachinery	
MECH 558	Combustion	
MECH 567	Broad-Beam Ion Sources	
MECH 568	Computational Methods for Mechanical Eng.	
MECH 658	Advanced Combustion Theory and Modeling	
Program Total Credits:		9

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.