

AEROSPACE ENGINEERING GRADUATE CERTIFICATE

Admission Requirements

Complete the following admission requirements:

- Admission into a master's degree program within the College of Engineering and Mines or approval by the program administrator.

Program Requirements

< Back to Department (<https://catalog.uaf.edu/academic-departments/mechanical-engineering/>)

Minimum requirements for Aerospace Engineering Graduate Certificate: 12 credits

Code	Title	Credits
General University Requirements		
Complete the general university requirements. (https://catalog.uaf.edu/graduate-certificates/#gurgraduatecertificatetext)		
Graduate Certificate Requirements		
Complete the graduate certificate requirements. (https://catalog.uaf.edu/graduate-certificates/)		
Aerospace Engineering Graduate Certificate Program Requirements:		
Complete a minimum of two courses from the following:		6
AERO F654	UAS Systems Design	
AERO/ME F656	Aerospace Systems Engineering	
AERO/CS F658	Unmanned Aircraft Systems (UAS) Operations	
Complete up to 6 credits from the following courses:		3-6
ATM F645	Atmospheric Dynamics	
CS F665	Computer and Network Security	
GEOS F654	Visible and Infrared Remote Sensing	
GEOS F657	Microwave Remote Sensing	
ME F609	Advanced Vibrations	
PHYS/ATM F647	Fundamentals of Geophysical Fluid Dynamics	
Complete up to 3 credits from the following courses:		0-3
CS F453	Robotics & 3D Printing	
ME F451	Aerodynamics	
ME F452	Introduction to Astrodynamics	
ME F453	Propulsion Systems	
Total Credits		12-15