GRADUATE CERTIFICATE, AEROSPACE ENGINEERING

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
Minimum requirements for Aerospace Engineering Graduate Certificate: 12 credits

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>General University Requirements</td>
<td>Complete the general university requirements. (<a href="http://catalog.uaf.edu/graduate/#certificateslicensencurestext">http://catalog.uaf.edu/graduate/#certificateslicensencurestext</a>)</td>
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<tr>
<td>Graduate Certificate Requirements</td>
<td>Complete the graduate certificate requirements. (<a href="http://catalog.uaf.edu/graduate/#certificateslicensencurestext">http://catalog.uaf.edu/graduate/#certificateslicensencurestext</a>)</td>
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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