Western Michigan University Aviation Curriculum Guide

Pre aviation curriculum requirements:

- The aviation program has 3 different majors:
  - Flight Science (pilot training);
  - Technical Operations;
  - Management and Operations (management and technical support);
- The Flight Science major has several requirements for access to flight courses:
  - A Chief Flight Instructor-approved application for each ground school and flight lab;
  - An FAA 2nd class medical (1st class is recommended);
  - Enrollment in flight theory courses is subject to a minimum grade point average of 3.0 for community college students and transfers from other 4 year colleges and/or universities and minimum ACT Math score 20 or minimum SAT Math score 520 or math placement of Math 1110 or higher at WMU;
  - Availability of aircraft and instructors.

The following courses are required of all 3 majors and may be taken at Alpena:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>ACC courses</th>
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</thead>
<tbody>
<tr>
<td>COM 1700</td>
<td>SPE 121</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MTH 223</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MTH 130</td>
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<tr>
<td>PHYS 1070, 1080</td>
<td>PHY 121 &amp; 122</td>
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<tr>
<td>IEE 1020</td>
<td>BUS 248 or ENG 111 or 112 or 121 or 122 or 123</td>
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**Required for Flight Science majors only:**

- ECON 2010
- GEOG 1050
- PSY 1000

Note: Only do two courses from the General Education Areas I, II, III and IV at Alpena. Two courses must be taken at the 3000+ level at WMU. See the [general education program transfer guide](#).
Required for Management and Operations majors:

CIS 1020          MTH 119
GEOG 1050         GEO 127
ECON 2010         ECN 231
ECON 2020         ECN 232
ACTY 2100         BUS 123
ACTY 2110         BUS 124
MKTG 2500         BUS 241
BUS 1750          BUS 121
PSY 1000          PSY 101

Required for Technical Operations majors only:

BUS 1750          BUS 121

Important notes:

- Satisfactory completion of all CFR Part 147 requirements in the Technical major prepares students to take the Federal Aviation Administration (FAA) Airframe and Powerplant written and practical exams;
- Flight Science majors are strongly encouraged to obtain the FAA First Class Medical Certificate before committing to this program. An FAA Second Class Medical Certificate is a prerequisite for the first flight course;
- All Flight Science students are required to subject themselves to the college-approved drug testing procedure before being allowed to participate in any flight activity in University aircraft;
- Graduates of the Flight Science major earn their FAA Commercial Pilot Certificate with Instrument and Multi-engine Land ratings;
- For information on airplanes, hangars, engines and other technical items, please visit the WMU College of Aviation website;
- For program information, please contact the advising office indicated below.

Approved by:
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