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 transfers from other 4 year colleges and/or universities and minimum ACT AMTH 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 SC4:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>SC4 courses</th>
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</thead>
<tbody>
<tr>
<td>COM 1700</td>
<td>SPC 101 or SPC 101H</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MTH 120</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MTH 114</td>
</tr>
<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHY 110</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENG 101, 101H or 101T or 102, 102H or BUS 225</td>
</tr>
</tbody>
</table>

General Ed Area VIII

HE 141 or PE 1000 or PE 141

Required for Flight Science majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>SC4 courses</th>
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<tbody>
<tr>
<td>ECON 2010</td>
<td>ECON 222 or 222H</td>
</tr>
<tr>
<td>GEOG 1050</td>
<td>GEO 101</td>
</tr>
<tr>
<td>GEOG 2250</td>
<td>GEO 105</td>
</tr>
</tbody>
</table>
Required for Management and Operations majors only:

- PSY 1000 / PSY 180 or 180H
- CIS 1020 / CIS 110 or 115 or 115H
- GEOG 1050 / GEO 101
- GEOG 2250 / GEO 105
- ECON 2010 / ECON 222 or 222H
- ECON 2020 / ECON 221 or 221H
- ACTY 2100 / ACCT 211
- ACTY 2110 / ACCT 212
- MKTG 2500 / BUS 180
- BUS 1750 / BUS 150
- PSY 1000 / PSY 180 or 180H

Required for Technical Operations majors only:

- BUS 1750 / BUS 150

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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College of Aviation

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