Western Michigan University Aviation Curriculum Guide

Pre aviation curriculum requirements:

- The aviation program has 3 different majors:
  - Flight Science (pilot training);
  - Maintenance Technology;
  - 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 a 2.5 for transfers from other 4 year colleges and/or universities and minimum ACT Math score 19 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 Lansing:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>LCC courses</th>
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<tbody>
<tr>
<td>COM 1700</td>
<td>COMM 140</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>STAT 170 or 215</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MATH 141</td>
</tr>
<tr>
<td>PHYS 1070/1080</td>
<td>PHYS 221 &amp; 222</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENGL 121 or 122 or 124 or 127 or 131 or 132</td>
</tr>
<tr>
<td>Gen Ed Area VIII</td>
<td>PFFT 114 or PFHW 163</td>
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</tbody>
</table>

**Required for Flight Science majors only:**

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>LCC courses</th>
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</thead>
<tbody>
<tr>
<td>ECON 2010</td>
<td>ECON 201</td>
</tr>
<tr>
<td>GEOG 1050</td>
<td>GEOG 221</td>
</tr>
<tr>
<td>GEOG 2250</td>
<td>GEOG 220</td>
</tr>
<tr>
<td>PSY 1000</td>
<td>PSYC 200</td>
</tr>
</tbody>
</table>
Required for Management and Operations majors only:
CIS 1020  
GEOG 1050  
GEOG 2250  
ECON 2010  
ECON 2020  
ACTY 2100  
ACTY 2110  
MKTG 2500  
BUS 1750  
PSY 1000  
CITF 110  
GEOG 221  
GEOG 220  
ECON 201  
ECON 202  
ACCG 210  
ACCG 211  
MKTG 200  
BUSN 118  
PSYC 200

Required for Maintenance Technology majors only:
BUS 1750  
CHEM 1100/1110  
BUSN 118  
CHEM 151 & 161

Important notes:
- Satisfactory completion of all CFR Part 147 requirements in the Maintenance 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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