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 JC:
Note: Only do two courses from the General Education Areas I, II, III and IV at Jackson College. Two courses must be taken at the 3000+ level at WMU. See the WMU general education program transfer guide

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>JC courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 1700</td>
<td>COM 240</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MAT 133 or CIS 203</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MAT 151</td>
</tr>
<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHY 231 and 232</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENG 131 or 132 or 232</td>
</tr>
</tbody>
</table>

Required for Flight Science majors:
- ECON 2010
- PSY 1000

Required for Management and Operations majors:
CIS 1000       CIS 101
ECON 2010     ECN 232
ECON 2020     ECN 231
ACTY 2100     ACC 231
ACTY 2110     ACC 232
MKTG 2500     BUA 230
BUS 1750      BUA 100
PSY 1000      PSY 140

**Required for Maintenance Technology majors:**
BUS 1750      BUA 100
CHEM 1100/1110   CEM 141

**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:**
Sharon Van Dyken
Director of Academic Advising
College of Aviation

**Contact information:**
sharon.vandyken@wmich.edu
(269) 387-0347