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 LMC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>LMC courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 1700</td>
<td>PSYC 205</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MATH 216 or BUS 216</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MATH 205</td>
</tr>
<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHYS 101 &amp; 102</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENGL 101 or 102 or 103</td>
</tr>
</tbody>
</table>

Required for Flight Science majors:

- ECON 2010
- GEOG 1050
- PSY 1000

Note: Only two courses from the General Education Areas I, II, III and IV at LMC. 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
- GEOG 1050
- ECON 2010
- ECON 2020
- ACTY 2100
- ACTY 2110
- MKTG 2500
- BUS 1750
- PSY 1000

- CIS 100
- GEOG 102
- BUSA 204
- BUSA 203
- BUSA 201
- BUSA 202
- BUSA 209
- BUSA 103
- PSYC 201

**Required for Maintenance and Technology majors:**

- BUS 1750
- CHEM 1100/1110

- BUSA 103
- CHEM 111

**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