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 and student pilot certificate (1st class is recommended);
  - Enrollment in flight theory courses is subject to a minimum grade point average of 2.5 for community college students and a 2.0 for transfers from other 4 year colleges and/or universities;
  - Availability of aircraft and instructors.

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

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>MCC courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Areas I, II, III, IV, and VIII on the WMU</td>
<td>general education program transfer guide</td>
</tr>
<tr>
<td>COM 1700</td>
<td>COMM 220</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MATH 290</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MATH 250 or 2000 at WMU</td>
</tr>
<tr>
<td>PHYS 1070, 1080</td>
<td>PHYS 112</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENG 100 or 101 or INDS 140</td>
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</tbody>
</table>

Required for Flight Science majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>MCC courses</th>
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<tbody>
<tr>
<td>ECON 2010</td>
<td>ECON 216</td>
</tr>
<tr>
<td>GEOG 1050</td>
<td>No equivalent</td>
</tr>
<tr>
<td>GEOG 2250</td>
<td>No equivalent</td>
</tr>
<tr>
<td>PSY 1000</td>
<td>PSYC 120</td>
</tr>
</tbody>
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Required for Management and Operations majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>MCC courses</th>
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</thead>
<tbody>
<tr>
<td>CIS 1020</td>
<td>CMIS 115</td>
</tr>
</tbody>
</table>
GEOG 1050  No equivalent
GEOG 2250  No equivalent
ECON 2010  ECON 216
ECON 2020  ECON 215
ACTY 2100  ACCT 115
ACTY 2110  ACCT 116
MKTG 2500  MRKT 233
BUS 1750   BUSN 135
PSY 1000   PSYC 120

**Required for Maintenance Technology majors only:**
BUS1750   BUSN 135
CHEM 1100/1110 CHEM 220

**Important notes:**

- Satisfactory completion of all 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 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