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 2\textsuperscript{nd} class medical (1\textsuperscript{st} class is recommended);
  - Enrollment in flight theory courses is subject to a minimum grade point average of 3.0 for community college students and transfers from other 4 year colleges and/or universities and minimum ACT Math 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 Montcalm:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>MCC courses</th>
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<tbody>
<tr>
<td>COM 1700</td>
<td>COMM 220</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MATH 190</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MATH 250</td>
</tr>
<tr>
<td>PHYS 1070/1080</td>
<td>PHYS 112</td>
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<tr>
<td>IEE 1020</td>
<td>ENGL 100 or 101</td>
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**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>
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<tr>
<td>PSY 1000</td>
<td>PSYC 120</td>
</tr>
</tbody>
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Required for Management and Operations majors only:
CIS 1020          CMIS 115
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 Technical Operations majors only:
BUS 1750          BUSN 135
CHEM 1100/1110    CHEM 220

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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