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 2\textsuperscript{nd} class medical and student pilot certificate (1\textsuperscript{st} 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 NCMC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>NCMC 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>COM 170</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>STAT 200</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MTH 150 or 2000 at WMU</td>
</tr>
<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHY 210 &amp; 211 or 1070 &amp; 1080 at WMU</td>
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<tr>
<td>IEE 1020</td>
<td>ENG 111 or 112</td>
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</table>

Required for Flight Science majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>NCMC courses</th>
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<tbody>
<tr>
<td>ECON 2010</td>
<td>ECO 112</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>PSY 161</td>
</tr>
</tbody>
</table>

Required for Management and Operations majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>NCMC courses</th>
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</thead>
<tbody>
<tr>
<td>CIS 1020</td>
<td>CIS 100</td>
</tr>
</tbody>
</table>
GEOG 1050  No equivalent
GEOG 2250  No equivalent
ECON 2010  ECO 112
ECON 2020  ECO 111
ACTY 2100  B 211
ACTY 2110  B 212
MKTG 2500  M 200
BUS 1750  B 161
PSY 1000  PSY 161

Required for Maintenance Technology majors only:
BUS 1750  B 161
CHEM 1100/1110  CEM 121

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
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College of Aviation

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