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 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 GCC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>GCC courses</th>
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</thead>
<tbody>
<tr>
<td>COM 1700</td>
<td>SPE 105</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MTH 211</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MTH 150</td>
</tr>
<tr>
<td>PHYS 1070/80</td>
<td>PHY 201 &amp; 202</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENG 101 or 102 or 105 or 111 or 112 or 250</td>
</tr>
</tbody>
</table>

Required for Flight Science majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>GCC courses</th>
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</thead>
<tbody>
<tr>
<td>ECON 2010</td>
<td>ECO 202</td>
</tr>
<tr>
<td>PSY 1000</td>
<td>PSY 101</td>
</tr>
</tbody>
</table>

Required for Management and Operations majors only:
CIS 1020        CIT 161
ECON 2010       ECO 202
ECON 2020       ECO 201
ACTY 2100       ACC 201
ACTY 2110       ACC 202
MKTG 2500       BUS 210
BUS 1750        BUS 101
PSY 1000        PSY 101

Required for Maintenance Technology only:
BUS 1750        BUS 101
CHEM 1100/1110  CHM 151

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:
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College of Aviation

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