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 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 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 NMC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>NMC courses</th>
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<tbody>
<tr>
<td>COM 1700</td>
<td>COM 101</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MTH 131</td>
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<tr>
<td>MATH 2000</td>
<td>MATH 141</td>
</tr>
<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHY 121 &amp; PHY 122</td>
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<tr>
<td>IEE 1020</td>
<td>ENG 111 or 112 or 220</td>
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 Required for Flight Science majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>NMC courses</th>
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<tbody>
<tr>
<td>ECON 2010</td>
<td>ECO 202</td>
</tr>
<tr>
<td>GEOG 1050</td>
<td>GEO 105 &amp; 105L</td>
</tr>
<tr>
<td>GEOG 2250</td>
<td>ENV 117 &amp; 117L</td>
</tr>
<tr>
<td>PSY 1000</td>
<td>PSY 101</td>
</tr>
</tbody>
</table>
Required for Management and Operations majors only:
CIS 1020       CIT 100
GEOG 1050      GEO 105 & 105L
GEOG 2250      ENV 117 & 117L
ECON 2010      ECO 202
ECON 2020      ECO 201
ACTY 2100      ACC 121
ACTY 2110      ACC 122
MKTG 2500      MKT 201
BUS 1750       BUS 101
PSY 1000       PSY 101

Required for Technical Operations majors only:
BUS 1750       BUS 101
CHEM 1100/1110 CHM 150

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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