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 HFC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>HFC courses</th>
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<tbody>
<tr>
<td>COM 1700</td>
<td>SPC 145</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MATH 141</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MATH 153 or 180</td>
</tr>
<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHYS 133</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENG 131 or 131H or 132 or 132H or 135</td>
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<tr>
<td>Gen Ed Area VIII</td>
<td>HPE 140 or HPEA 126</td>
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</table>

Required for Flight Science majors only:

<table>
<thead>
<tr>
<th>Courses</th>
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<tbody>
<tr>
<td>ECON 2010</td>
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<tr>
<td>GEOG 1050</td>
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<tr>
<td>PSY 1000</td>
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Required for Management and Operations majors only:
CIS 1020 \hspace{1cm} CIS 100 or BCA 140
GEOG 1050 \hspace{1cm} GEOG 131
ECON 2010 \hspace{1cm} BEC 152
ECON 2020 \hspace{1cm} BEC 151
ACTY 2100 \hspace{1cm} BAC 131
ACTY 2110 \hspace{1cm} BAC 132
MKTG 2500 \hspace{1cm} BBA 252
BUS 1750 \hspace{1cm} BBA 131
PSY 1000 \hspace{1cm} PSY 131

Required for Technical Operations majors only:
BUS 1750 \hspace{1cm} BBA 131

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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