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 KVCC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>KVCC courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 1700</td>
<td>COM 113</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MATH 216 or 220</td>
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<tr>
<td>MATH 2000</td>
<td>MATH 158</td>
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<tr>
<td>PHYS 1070/1080</td>
<td>PHY 111 and 112</td>
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<tr>
<td>IEE 1020</td>
<td>ENG 110 or 112 or 127 or 160</td>
</tr>
<tr>
<td>Gen Ed Area VIII</td>
<td>HUM 204; or WPE 101 or 124 or 125</td>
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Note: Only do two courses from the General Education Areas I, II, III and IV at KVCC. Two courses must be taken at the 3000+ level at WMU. See the [general education program transfer guide](#).

Required for Flight Science majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>KVCC courses</th>
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<tbody>
<tr>
<td>ECON 2010</td>
<td>ECO 202</td>
</tr>
<tr>
<td>GEOG 1050</td>
<td>GEO 120</td>
</tr>
<tr>
<td>PSY 1000</td>
<td>PSY 150</td>
</tr>
</tbody>
</table>
Required for Management and Operations majors only:
CIS 1020  BUS 103
GEOG 1050  GEO 120
ECON 2010  ECO 202
ECON 2020  ECO 201
ACTY 2100  ACC 101
ACTY 2110  ACC 102
MKTG 2500  BUS 105
BUS 1750  BUS 101
PSY 1000  PSY 150

Required for Technical Operations majors only:
BUS 1750  BUS 101

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 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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