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 KCC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>KCC courses</th>
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<tbody>
<tr>
<td>AVS 1200</td>
<td>AVIA 100</td>
</tr>
<tr>
<td>AVS 1210</td>
<td>AVIA 110</td>
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<tr>
<td>AVS 1220</td>
<td>AVIA 115</td>
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<tr>
<td>AVS 1225</td>
<td>AVIA 130</td>
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<tr>
<td>COM 1700</td>
<td>COMM 101 or 101H</td>
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<tr>
<td>STAT 2160</td>
<td>MATH 130 or BUAD 213</td>
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<tr>
<td>MATH 2000</td>
<td>MATH 141</td>
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<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHYS 111 &amp; 112</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENGL 151 or 151H or 152 or 152H or 153 or 201</td>
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<tr>
<td>Gen Ed Area VIII</td>
<td>PEHL 101 or 113 or 119 or 125 or 131 or 140</td>
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Required for Flight Sciences majors only:
ECON 2010  ECON 202  
GEOG 1050  GEOG 100  
PSY 1000  PSYC 201 or 201H  
**Required for Management and Operations majors only:**  
CIS 1020  OIT 161  
GEOG 1050  GEOG 100  
ECON 2010  ECON 202  
ECON 2020  ECON 201  
ACTY 2100  ACCO 101  
ACTY 2110  ACCO 102  
MKTG 2500  BUAD 251  
BUS 1750  BUAD 101  
PSY 1000  PSYC 201 or 201H  
**Required for Technical Operations majors only:**  
BUS 1750  BUAD 101  
CHEM 1100/1110  CHEM 110  

**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:**  
Sharon Van Dyken  
Director of Academic Advising  
College of Aviation  

**Contact information:**  
sharon.vandyken@wmich.edu  
(269) 387-0347