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 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>STAT 2160</td>
<td>MATH 130 or BUAD 213</td>
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<tr>
<td>MATH 2000</td>
<td>MATH 141</td>
</tr>
<tr>
<td>PHYS 1070</td>
<td>PHYS 111 &amp; 112</td>
</tr>
<tr>
<td>PHYS 1080</td>
<td>PHYS 111 &amp; 112</td>
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<tr>
<td>IEE 1020</td>
<td>ENGL 151 or 151H or 152 or 152H or 153</td>
</tr>
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Required for Flight Sciences majors only:

| ECON 2010    | ECON 202    |
| GEG 1050     | GEOG 100    |
| PSY 1000     | PSYC 201 or 201H |

Required for Management and Operations majors only:

| CIS 1020     | OIT 161     |
| ECON 2010    | ECON 202    |
| ECON 2020    | ECON 201    |

*Please see the [WMU Essential Studies (WES) program guide](#)
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
ACTY 2110  ACCO 102
MKTG 2500  BUAD 251
BUS 1750  BUAD 101
PSY 1000  PSYC 201 or 201H

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.
- 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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