Western Michigan University Aviation Curriculum Guide

Pre aviation curriculum requirements:

- The aviation program has 3 different majors:
  - Flight Science (pilot training);
  - Maintenance Technology;
  - 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 and student pilot certificate (1st class is recommended);
  - Enrollment in flight theory courses is subject to a minimum grade point average of 2.5 for community college students and a 2.0 for transfers from other 4 year colleges and/or universities;
  - 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>
</tr>
</thead>
<tbody>
<tr>
<td>Areas I, II, III, IV, and VIII on the WMU</td>
<td>general education program transfer guide</td>
</tr>
<tr>
<td>COM 1700</td>
<td>SPE 11400</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MTH 20600</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MTH 22002</td>
</tr>
<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHY 20101/20102 &amp; 20201/20202 or 1070 &amp; 1080 at WMU</td>
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<tr>
<td>IEE 1020</td>
<td>ENG 10303 or 10403 or OIS 10500</td>
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**Required for Flight Science majors only:**

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>KCC courses</th>
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</thead>
<tbody>
<tr>
<td>ECON 2010</td>
<td>ECO 20200</td>
</tr>
<tr>
<td>GEOG 1050</td>
<td>No equivalent</td>
</tr>
<tr>
<td>GEOG 2250</td>
<td>No equivalent</td>
</tr>
<tr>
<td>PSY 1000</td>
<td>PSY 10100</td>
</tr>
</tbody>
</table>

**Required for Management and Operations majors only:**

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>KCC courses</th>
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</thead>
<tbody>
<tr>
<td>CIS 1020</td>
<td>CIS 10500</td>
</tr>
</tbody>
</table>
GEOG 1050  No equivalent
GEOG 2250  No equivalent
ECON 2010  ECO 20200
ECON 2020  ECO 20100
ACTY 2100  ACC 12100
ACTY 2110  ACC 12200
MKTG 2500  MKT 20000
BUS 1750  BUS 10100
PSY 1000  PSY 10100

**Required for Maintenance Technology only:**
BUS 1750  BUS 10100
CHEM 1100/1110  CHE 10101 & 10102

**Important notes:**

- Satisfactory completion of all requirements in the Maintenance 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 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