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 GCC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>GCC courses</th>
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<tbody>
<tr>
<td>Areas I, II, III, IV, and VIII on the WMU</td>
<td>general education program transfer guide</td>
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<tr>
<td>COM 1700</td>
<td>SPE 105</td>
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<tr>
<td>STAT 2160</td>
<td>MTH 211</td>
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<tr>
<td>MATH 2000</td>
<td>MTH 150 or MATH 2000 at WMU</td>
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<tr>
<td>PHYS 1070/80</td>
<td>PHY 201 &amp; 202 or PHYS 1070 &amp; 1080 at WMU</td>
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<tr>
<td>IEE 1020</td>
<td>ENG 101 or 102 or 105 or 111 or 112 or 250</td>
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Required for Flight Science majors only:

- ECON 2010   ECO 202
- GEOG 1050   No equivalent
- GEOG 2250   No equivalent
- PSY 1000    PSY 101

Required for Management and Operations majors only:

- CIS 1020    CIT 161
GEOG 1050  No equivalent
GEOG 2250  No equivalent
ECON 2010  ECO 202
ECON 2020  ECO 201
ACTY 2100  ACC 201
ACTY 2110  ACC 202
MKTG 2500  BUS 210
BUS 1750  BUS 101
PSY 1000  PSY 101

**Required for Maintenance Technology only:**
BUS 1750  BUS 101
CHEM 1100/1110  CHM 151

**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:**
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College of Aviation

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