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 (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 a 2.5 for transfers from other 4 year colleges and/or universities and minimum ACT Math score 19 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 GRCC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>GRCC courses</th>
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<tbody>
<tr>
<td>COM 1700</td>
<td>COM 135</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>BA 254 or MA 215</td>
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<tr>
<td>MATH 2000</td>
<td>MA 129</td>
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<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PH 115</td>
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<tr>
<td>IEE 1020</td>
<td>EN 101 or 102 or 249 or BA 102</td>
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Required for Flight Science majors only:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>GRCC courses</th>
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<tbody>
<tr>
<td>ECON 2010</td>
<td>EC 252</td>
</tr>
<tr>
<td>GEOG 1050</td>
<td>GE 132</td>
</tr>
<tr>
<td>PSY 1000</td>
<td>PY 201</td>
</tr>
</tbody>
</table>

Required for Management and Operations majors:
CIS 1020          CIS 100
GEOG 1050        GE 132
ECON 2010        EC 252
ECON 2020        EC 251
ACTY 2100        BA 256
ACTY 2110        BA 257
MKTG 2500        BA 270
BUS 1750         BA 103
PSY 1000         PY 201

Required for Maintenance Technology majors only:
BUS 1750         BA 103
CHEM 1100/1110   CHM 130 and 131

Important notes:

- Satisfactory completion of all CFR Part 147 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 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:
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College of Aviation

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