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 Glen Oaks:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>Glen Oaks 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>COM 110</td>
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<tr>
<td>STAT 2160</td>
<td>BUS 205</td>
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<tr>
<td>MATH 2000</td>
<td>MATH 161 or MATH 2000 AT WMU</td>
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<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHYS 155 &amp;154 or PHYS 1070 &amp; 1080 at WMU</td>
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<tr>
<td>IEE 1020</td>
<td>ENG 121 or 122</td>
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**Required for Flight Science majors only:**

| ECON 2010 | ECON 203 |
| GEOG 1050 | GEOG 142 |
| GEOG 2250 | No equivalent |
| PSY 1000 | PSY 101 |

**Required for Management and Operations majors:**

| CIS 1020 | CIS 101 |
| GEOG 1050 | GEOG 142 |
GEOG 2250  No equivalent
ECON 2010  ECON 203
ECON 2020  ECON 204
ACTY 2100  ACCT 111
ACTY 2110  ACCT 112
MKTG 2500  BUS 250
BUS 1750  BUS 104
PSY 1000  PSY 101

**Required for Maintenance Technology:**
BUS 1750  BUS 104
CHEM 1100/1110  CHEM 133

**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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