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 minimum ACT Math score 20 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 Macomb:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>MCC courses</th>
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<tbody>
<tr>
<td>COM 1700</td>
<td>SPCH 2100</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MATH 1340</td>
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<tr>
<td>MATH 2000</td>
<td>MATH 1370</td>
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<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHYS 1180 &amp; 1190</td>
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<tr>
<td>IEE 1020</td>
<td>BCOM 2050 or ENGL 1180 or 1190 or 1210 or 1220</td>
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<tr>
<td>Gen ED Area VIII</td>
<td>WHES 2000 or 2022 or 2026 or 2032 or 2036 or 2042 or 2060 or 2070</td>
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</tbody>
</table>

Required for Flight Science majors only:

- ECON 2010
- ECON 1170
PSY 1000                  PSYC 1010

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

CIS 1020                  ITCS 1010
ECON 2010                ECON 1170
ECON 2020                ECON 1160
ACTY 2100                ACCT1080
ACTY 2110                ACCT 1090
MKTG 2500                MKTG 1010
BUS 1750                 BUSN 1010
PSY 1000                 PSYC 1010

**Required for Technical Operations majors only:**

BUS 1750                 BUSN 1010
CHEM 1100/1110           CHEM 1170

**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;
- 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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