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 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 West Shore:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>WSCC courses</th>
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<tbody>
<tr>
<td>COM 1700</td>
<td>COM 110</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MTH 123</td>
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<tr>
<td>MATH 2000</td>
<td>MTH 222</td>
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<tr>
<td>PHYS 1070</td>
<td>1080</td>
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<tr>
<td>IEE 1020</td>
<td>ENG 111 or 112</td>
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</tbody>
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*Please see [the WMU Essential Studies (WES) program guide](#)

**Required for Flight Science majors only:**

| ECON 2010    | ECO 136 |
| PSY 1000     | PSY 161 |

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

| CIS 1020    | CIS 110 |
| ECON 2010   | ECO 136 |
| ECON 2020   | ECO 137 |
| ACTY 2100   | ACC 121 |
ACTY 2110                                            ACC 122
MKTG 2500                                          MKT 241
BUS 1750                                               BUS 100
PSY 1000                                             PSY 161

Required for Technical Operations majors only:
BUS 1750     BUS 100

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 Aviation website.
➢ For program information, please contact the advising office indicated below.

Approved by:
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