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 SC4:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>SC4 courses</th>
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</thead>
<tbody>
<tr>
<td>COM 1700</td>
<td>SPC 101 or SPC 101H</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MTH 120</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MTH 114</td>
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<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHY 110</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENG 101, 101H or 101T or 102, 102H or BUS 225</td>
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</tbody>
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*Please see the [WMU Essential Studies (WES) program guide](#) for more information.

**Required for Flight Science majors only:**
- ECON 2010  
- GEOG 1050  
- GEOG 2250  
- PSY 1000  

**Required for Management and Operations majors only:**
- CIS 1020  
- GEOG 2250  
- ECON 2010  
- ECON 222 or 222H
ECON 2020          ECON 221 or 221H
ACTY 2100          ACCT 211
ACTY 2110          ACCT 212
MKTG 2500          BUS 180
BUS 1750           BUS 150
PSY 1000           PSY 180 or 180H

**Required for Technical Operations majors only:**
BUS 1750           BUS 150

**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.
- 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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