Monroe County Community College  Fall 2018

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 Monroe:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>MCCC courses</th>
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</thead>
<tbody>
<tr>
<td>COM 1700</td>
<td>SPCH 155</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>MATH 162</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>MATH 171</td>
</tr>
<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHY 151 &amp; 152</td>
</tr>
<tr>
<td>IEE 1020</td>
<td>ENGL 101 or 151 or 152 or 155</td>
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<tr>
<td>Gen ED Area VIII</td>
<td>HPE 150</td>
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</tbody>
</table>

**Required for Flight Science majors only:**

- ECON 2010
- GEOG 1050
- PSY 1000

Note: Only do two courses from the General Education Areas I, II, III, IV at Monroe. Two courses must be taken at the 3000+ level at WMU. See the [general education program transfer guide](#)
Required for Management and Operations majors only:
CIS 1020  
GEOG 1050  
ECON 2010  
ECON 2020  
ACTY 2100  
ACTY 2110  
MKTG 2500  
BUS 1750  
PSY 1000  

CIS 130  
GEOG 151  
ECON 252  
ECON 251  
ACCTG 151  
ACCTG 152  
MCOM 201  
BUSAD 151  
PSYCH 151

Required for Technical Operations major only:
BUS 1750  
CHEM 1100/1110  

BUSAD 151  
CHEM 151

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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