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 NCMC:

<table>
<thead>
<tr>
<th>WMU courses</th>
<th>NCMC courses</th>
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<tbody>
<tr>
<td>COM 1700</td>
<td>COM 170</td>
</tr>
<tr>
<td>STAT 2160</td>
<td>STAT 200</td>
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<tr>
<td>MATH 2000</td>
<td>MATH 150</td>
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<tr>
<td>PHYS 1070 &amp; 1080</td>
<td>PHY 210 &amp; 211</td>
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<tr>
<td>IEE 1020</td>
<td>ENG 111 or 112</td>
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Required for Flight Science majors only:

- ECON 2010
- PSY 1000

Note: Only do two courses from the General Education Areas I, II, III and IV at NCMC. 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                CIS 100
ECON 2010               ECO 112
ECON 2020               ECO 111
ACTY 2100               B 211
ACTY 2110               B 212
MKTG 2500               M 200
BUS 1750                B 161
PSY 1000                PSY 161

Required for Technical Operations majors only:
BUS 1750                B 161
CHEM 1100 & 1110        CEM 121

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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