



**Jackson College**

**2025/26**

## **Western Michigan University Aviation Curriculum Guide**

### **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 2<sup>nd</sup> class medical (1<sup>st</sup> 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 JC:**

#### **WMU courses**

#### **JC courses**

\*Please see the [WMU Essential Studies \(WES\) program guide](#)

COM 1700  
STAT 2160  
MATH 2000  
IEE 1020

COM 240  
MAT 133 or 133A or CIS 203  
MAT 151  
ENG 131 or 132 or 232

#### **Required for Flight Science majors:**

ECON 2010  
PHYS 1070  
PSY 1000

ECN 232  
PHY 231 and 232  
PSY 130

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

ACTY 2100  
ACTY 2110  
BUS 1750  
ECON 2010  
ECON 2020

ACC 231  
ACC 232  
BUA 100  
ECN 232  
ECN 231

MKTG 2500

PSY 1000

**Required for Technical Operations majors only:**

BUS 1750

PHYS 1070|1080

BUA 230

PSY 140 or 140A

BUA 100

PHY 231 and 232

**Important notes:**

- ❖ Satisfactory completion of all CFR Part 147 requirements in the Aviation Technical Operations major prepares students to take the Federal Aviation Administration (FAA) Airframe and Powerplant written and practical exams.
- ❖ Beginning with Fall 2026 admission to the Flight Science major, students are required to have an FAA First or Second Class Medical Certification at the time of application.
- ❖ 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 : <https://wmich.edu/aviation> .
- ❖ For program information, please contact the advising office indicated below.

**Approved by:**

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