



**Muskegon Community College**

**2022/23**

## **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 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 Muskegon:**

#### **WMU courses**

#### **MCC courses**

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

STAT 2160

MATH 115

MATH 2000

MATH 151

PHYS 1070|1080

PHYS 201 & 202

IEE 1020

BCOM 102 or ENG 101

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

ECON 2010

ECON 102

GEOG 1050

GEOG 101A

GEOG 2250

GEOG 215

PSY 1000

PSYC 201

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

ACTY 2100

ACC 201

ACTY 2110

ACC 202

BUS 1750  
ECON 2010  
ECON 2020  
MKTG 2500  
PSY 1000

BUS 121  
ECON 102  
ECON 101  
BUS 260  
PSYC 201

**Required for Technical Operations majors only:**

BUS 1750                      BUS 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 Aviation website.
- ❖ For program information, please contact the advising office indicated below.

**Approved by:**

Sharon Van Dyken  
Director of Academic Advising  
College of Aviation

**Contact information:**

sharon.vandyken@wmich.edu  
(269) 964-6375