



North Central Michigan 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 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 NCMC:

WMU courses

NCMC courses

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

COM 1700
STAT 2160
MATH 2000
IEE 1020

COM 170
STAT 200
MATH 150
ENG 111 or 112

Required for Flight Science majors only:

ECON 2010
PHYS 1070
PSY 1000

ECO 112
PHY 210 & 211
PSY 161

Required for Management and Operations majors only:

ACTY 2100
ACTY 2110
BUS 1750
ECON 2010
ECON 2020
MKTG 2500

B 211
B 212
B 161
ECO 112
ECO 111
M 200

PSY 1000

PSY 161

Required for Technical Operations majors only:

BUS 1750

B 161

PHYS 1070|1080

PHY 210 & 211

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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