



Southwestern Michigan College

2023/24

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 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 SMC:

WMU Courses

SMC Courses

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

COM 1700
STAT 2160
MATH 2000
IEE 1020

SPEE 102
MATH 150
MATH 141
ENGL 103 or 104

Required for Flight Science majors only:

ECON 2010
PHYS 1070|1080
PSY 1000

ECON 202
PHYS 101 & 102
PSYC 101

Required for Management and Operations majors only:

ACTY 2100
ACTY 2110
BUS 1750
ECON 2010
ECON 2020

ACCO 201
ACCO 202
BUSI 200
ECON 202
ECON 201

MKTG 2500

PSY 1000

Required for Technical Operations majors only:

BUS 1750

PHYS 1070|1080

BUSI 220

PSYC 101

BUSI 200

PHYS 101 & 102

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:

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