



Henry Ford College

2021/22

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 HFC:

WMU courses

HFC courses

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

COM 1700

SPC 145

STAT 2160

MATH 141

MATH 2000

MATH 180

PHYS 1070|1080

PHYS 133

IEE 1020

ENG 131 or 131H or 132 or 132H or 135

Required for Flight Science majors only:

ECON 2010

BEC 152

GEOG 1050

GEOG 131

PSY 1000

PSY 131

Required for Management and Operations majors only:

CIS 1020

CIS 100 or BCA 140

ECON 2010

BEC 152

ECON 2020

BEC 151

ACTY 2100	BAC 131
ACTY 2110	BAC 132
MKTG 2500	BBA 252
BUS 1750	BBA 131
PSY 1000	PSY 131
Required for Technical Operations majors only:	
BUS 1750	BBA 131

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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