



WESTERN MICHIGAN UNIVERSITY

**Montcalm Community College**

**Fall 2018**

## **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 minimum ACT Math score 20 or minimum SAT Math score 520 or math 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 Montcalm:**

#### **WMU courses**

#### **MCC courses**

Note: Only do two courses from the General Education Areas I, II, III and IV at Montcalm. Two courses must be taken at the 3000+ level at WMU. See the [general education program transfer guide](#)

COM 1700

COMM 220

STAT 2160

MATH 190

MATH 2000

MATH 250

PHYS 1070/1080

PHYS 112

IEE 1020

ENGL 100 or 101

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

ECON 2010

ECON 216

PSY 1000

PSYC 120

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

CIS 1020	CMIS 115
ECON 2010	ECON 216
ECON 2020	ECON 215
ACTY 2100	ACCT 115
ACTY 2110	ACCT 116
MKTG 2500	MRKT 233
BUS 1750	BUSN 135
PSY 1000	PSYC 120

**Required for Technical Operations majors only:**

BUS1750	BUSN 135
CHEM 1100/1110	CHEM 220

**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 College of Aviation website;
- For program information, please contact the advising office indicated below.

**Approved by:**

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