

University Elective Courses9 hours
 Program Total 124 hours

Note:
 †General education requirement may be restricted depending on choice of minor.

AVIATION FLIGHT TECHNOLOGY CURRICULUM (AVFT)

This program is designed to prepare individuals for positions as entry-level professional pilots in the aviation industry. Based upon the needs of the aviation industry, the program encompasses a program of study that takes an individual from student pilot to certified flight instructor. It also includes a number of specialized courses that incorporate aviation business and management skills, safety, human factors, aerodynamics, aviation law and regulations, and crew resource management. The program includes a general education curriculum designed to provide a well-rounded knowledge foundation.

The Aviation Flight Technology program has amendments to the basic aviation program designed to accommodate ROTC students planning on applying for military pilot training. The accommodations include the Eastern Michigan University U.S. Army ROTC program and the Air Force or Naval ROTC programs located at the University of Michigan which may be attended by Eastern Michigan University students. Please contact the Aviation Flight Technology program coordinator for further information.

General Education Requirements 48-49 hours

Area I Symbolics and Communication

1. See page 23
2. See page 23
3. See page 23
4. Choose one option from the following:
 MATH107 Plane Trigonometry (2 hrs) and MATH119 Applied Calculus (3 hrs)
 MATH120 Calculus I (4 hrs)
5. INDT201 Microcomputer Applications in Technology (3 hrs)

Area II Science and Technology

1. PHY221 Mechanics, Sound, and Heat (4 hrs)
2. See page 24
3. INDT150 Understanding Technology (3 hrs)

Area III Social Sciences

1. PLSC112 American Government (3 hrs)
2. See page 24
3. See page 24
4. See page 24

Area IV Arts and Humanities

1. See page 25
2. See page 25
3. See page 25
4. See page 25

Physical Education/Graduation Requirement2 hours
 PEGN210 Lifetime Wellness and Fitness (2 hrs)

Major Requirements67 hours

- INDT100 Introduction to Air Transportation (3 hrs)
- INDT110 Aircraft Maintenance I (3 hrs)
- INDT120 Flight Operations I (3 hrs)
- INDT170 Aviation Ground Instruction (3 hrs)
- INDT208 Aviation Human Factors (3 hrs)
- INDT263 Aircraft Systems (3 hrs)
- INDT220 Flight Operations II (3 hrs)
- INDT303 Aviation Law and Insurance (3 hrs)
- INDT313 Aviation Industry Regulations (3 hrs)
- INDT320 Aviation Safety (3 hrs)
- INDT321 Cockpit and Crew Resource Management (3 hrs)
- ESSC324 Weather (3 hrs)

- †INDT251 Basic Flight (solo) (2 hrs)
- †INDT261 Basic Flight II (private) (2 hrs)
- †INDT271 Basic Flight III (50 hours Cross-Country) (2 hrs)
- INDT341 Instrument Ground Instruction (2 hrs)
- INDT342 Commercial Ground Instruction (2 hrs)
- †INDT351 Advanced Flight I (Instrument flight) (2 hrs)
- †INDT361 Advanced Flight II (Instrument flight) (2 hrs)
- †INDT371 Advanced Flight III (Commercial) (2 hrs)
- INDT382 Flight Instructor Ground Instruction (3 hrs)
- INDT384 Multi-Engine/Aircraft Systems Ground Instruction (2 hrs)
- †INDT426 Advanced Flight IV (Multi-engine) (2 hrs)
- †INDT427 Advanced Flight V (CFI-A) (2 hrs)
- INDT419 High Airspeed Aerodynamics/High Altitude Flight (3 hrs)
- INDT422 Senior Seminar (3 hrs)

Minor Requirements0 hours
No minor is required.

University Elective Courses6-7 hours

Program Total 124 hours

Note:
 †This course is a flight course involving flight activities conducted at the Eagle Flight Center.

AVIATION MANAGEMENT TECHNOLOGY CURRICULUM (AVMG)

The aviation management technology curriculum is designed to prepare individuals for entry-level management and supervisory positions in the field of aviation technology. The program has a foundation of aviation-related and basic business course work.

General Education Requirements40 hours

Area I Symbolics and Communication

1. See page 23
2. See page 23
3. See page 23
4. One course from the following:
 *MATH118 Linear Models and Probability
 *MATH119 Applied Calculus
5. INDT215 End-User Computing*

Area II Science and Technology

1. See page 24
2. See page 24
3. INDT150 Understanding Technology (3 hrs)

Area III Social Sciences

1. See page 24
2. See page 24
3. ECON201 Principles of Macroeconomics (3 hrs)
4. ECON202 Principles of Microeconomics (3 hrs)

Area IV Arts and Humanities

1. See page 25
2. See page 25
3. See page 25
4. See page 25

Physical Education/Graduation Requirements2 hours

Major Requirements69 hours

- INDT100 Introduction to Air Transportation (3 hrs)
- INDT110 Aircraft Maintenance I (3 hrs)
- INDT120 Flight Operations I (3 hrs)
- INDT170 Aviation Ground Instruction (3 hrs)
- INDT210 Aircraft Maintenance II (3 hrs)
- INDT220 Flight Operations II (3 hrs)
- INDT303 Aviation Law and Insurance (3 hrs)