

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)

INDT313 Aviation Industry Regulations (3 hrs)
 INDT315 Airport Management (3 hrs)
 INDT320 Aviation Safety (3 hrs)
 INDT387 Cooperative Education in Interdisciplinary Technology (3 hrs)
 INDT422 Senior Seminar in Aviation Management (3 hrs)
 MGMT384 Human Resource Management (3 hrs)
 MGMT386 Organizational Behavior and Theory (3 hrs)
 *MATH118 Linear Models and Probability (3 hrs)
 *MATH119 Applied Calculus (3 hrs)
 DS265 Business Statistics I (3 hrs)
 ACC240 Principles of Financial Accounting (3 hrs)
 ACC241 Principles of Managerial Accounting (3 hrs)
 FIN350 Principles of Finance (3 hrs)
 MKTG360 Principles of Marketing (3 hrs)
 *IS215 End-User Computing (3 hrs)
 LAW293 Legal Environment of Business (3 hrs)

Minor Requirements 0 hours
No minor is required.

University Elective Courses 13 hours

Program Total 124 hours

Note:

**This course satisfies both a general education and a major requirement.*

BUSINESS SERVICES AND TECHNOLOGY EDUCATION (BSTE)

Secondary Teacher Certification

At this writing the BSTE program is being reviewed. Students will be admitted to this program until the end of 2004-2005 academic year. The new BMT program should be in place by the 2005-2006 academic year.

The business services and technology education major leads to a Michigan Department of Education Secondary Provisional Certificate and, upon meeting the requirements according to the current Michigan State Plan, a vocational endorsement. The program prepares prospective teachers in the areas of information processing and management, administrative services, accounting and computing, and basic business such as economics, consumer economics, business law, business management, computer literacy and introduction to business.

This major can be completed only in conjunction with the bachelor of business education curriculum. Successful completion of this course of studies, in the context of other program requirements, qualifies the student for recommendation for certification for the Michigan Department of Education Secondary Provisional Certificate endorsed in business education, certification code GX, and, with appropriate work experience, certification code VB. The Michigan Test for Teacher Certification (MTTC) covering this field is #32, "Business Education."

General Education Requirements 37 hours

Area I Symbolics and Communication

1. See page 23
2. See page 23
3. See page 23
4. MATH118 Linear Models and Probability (3 hrs)
5. BEDU201 Microcomputers for Business Applications*

Area II Science and Technology

1. See page 24
2. PSY101 General Psychology (3 hrs)
3. See page 24

Area III Social Sciences

1. See page 24
2. See page 24
3. ECON201 Principles of Macroeconomics*
4. ECON202 Principles of Microeconomics*

Area IV Arts and Humanities

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

Physical Education/Graduation Requirements 2 hours

Major Requirements 58 hours

BEDU100 Contemporary Business (3 hrs)
 BEDU123 Word Processing/Keyboarding Applications (2 hrs)
 *BEDU201 Microcomputers for Business Applications (3 hrs)
 *ECON201 Principles of Macroeconomics (3 hrs)
 *ECON202 Principles of Microeconomics (3 hrs)
 BEDU210 Concepts of Network and Business Technology (3 hrs)
 BEDU220 Word/Information Processing Operations (3 hrs)
 BEDU224 Computer-based Business Mathematics (3 hrs)
 ACC240 Principles of Financial Accounting (3 hrs)
 ACC241 Principles of Managerial Accounting (3 hrs)
 ACC244 Personal Tax Accounting (2 hrs)
Two courses from the following:
 ACC340 Intermediate Accounting (3 hrs)
 ACC342 Managerial Cost Accounting (3 hrs)
 ACC344 Principles of Taxation (3 hrs)
 or other approved Accounting courses
 BEDU250 Personal Finance (3 hrs)
 LAW293 Legal Environment of Business (3 hrs)
 BEDU310 Word/Information Processing Administration (3 hrs)
 MKTG360 Principles of Marketing (3 hrs)
 BEDU395 Administering Workplace Systems and Technology (3 hrs)
 BEDU396 Information and Media Administration (3 hrs)
 BEDU496 Records Administration Using Database (3 hrs)

Professional Studies 40 hours

Pre-Admission Phase: The Learner and the Community: 11 hours

Courses that may be taken before formal admission to the teacher education program

- One-hundred clock hours of approved pre-student teaching field experiences
- EDPS322 Human Development and Learning (4 hrs)
- FETE201 Field Experience I (1 hr)
- SPGN251 Education of Students with Exceptionalities (3 hrs)
- BEDU200 Principles of Marketing and Office Education (3 hrs)

Courses that require formal admission to the teacher education program.

Phase I: Curriculum, Assessment and the Social Context: 9 hours

- SOFD328 Schools in a Multicultural Society (3 hrs)
- EDPS340 Introduction to Assessment and Evaluation (3 hrs)
- BEDU363 Curriculum for Business Services and Technology (3 hrs)

Phase II: Content Methods, Literacy and Technology: 8 hours

- RDNG311 Teaching Reading in the Secondary School (3 hrs)
- FETE402 Field Experience III: Secondary (1 hr)
- BEDU364 Methods of Teaching General Business Subjects (2 hrs)
- BEDU365 Methods of Teaching Office Education (2 hrs)

Phase III: Capstone Experience: 12 hours

- EDUC492 Student Teaching (12 hrs)

Minor Requirements 0 hours
No minor is required.

University Elective Courses 0 hours

Program Total 137 hours

Note:

**This course satisfies both a general education and a major requirement.*