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## AVIATION FLIGHT TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE

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Engineering/Manufacturing & Industrial Technology  
Career Pathway

### AVIATION FLIGHT TECHNOLOGY – ASSOCIATE IN APPLIED SCIENCE (AVFT.AAS)

Basic ground school and flight instruction needed to meet the requirements of the Federal Aviation Administration's Commercial Pilot certificate with instrument and flight instructor ratings.\* Federal and/or Michigan law may require that enrollees in the aviation program undergo an FBI background check. Contact the director of aviation with questions.

Minimum credits: .....	62
Minimum cumulative GPA: .....	2.0
Minimum grade in all courses: .....	2.0
Minimum JCC credits: .....	12
MACRAO agreement: .....	No

#### GENERAL EDUCATION REQUIREMENTS – (21 credits)

##### ADO 1: Write clearly, concisely and intelligibly (3 credits)

###### Take the following:

ENG 131 Writing Experience

##### ADO 2: Speak clearly, concisely and intelligibly (3 credits)

###### Choose one of the following:

COM 231 Communication Fundamentals

COM 240 Interpersonal Communication

##### ADO 3: Demonstrate computational skills and mathematical reasoning (3-5 credits)

###### Take the following:

MTH 131 Intermediate Algebra or higher

##### ADO 4: Demonstrate scientific reasoning (4 credits)

###### Take the following:

PHY 231 College Physics I

##### ADO 5: Understand human behavior and social systems, the principles which govern them, and their implications for the present and future (4 credits)

PSY 140 Introduction to Psychology

##### ADO 6: Understand aesthetic experience and artistic creativity (3 credits)

###### Choose one of the following:

ART 111 Art History: Prehistoric to 1400

ART 112 Art History: Renaissance to Present

ENG 210 Introduction to Film

ENG 246 Short Story & Novel

ENG 247 Poetry & Drama

ENG 252 Shakespeare

ENG 254 Children's Literature

ENG 255 American Literature – 19th Century

ENG 256 American Literature – 20th Century

HUM 131 Cultural Connections

MUS 131 Understanding Music

THR 116 Introduction to Theatre

##### ADO 7: Think critically

###### Program courses meet this requirement

##### ADO 8: Make responsible decisions in personal and professional contexts (1-3 credits)

###### Choose one of the following:

HPF 160 Wellness

HPF 277 Stress Management

HPF 283 Managing Stress and Holistic Health

PHL 236 Ethics

##### ADO 9: Work productively with others, recognizing individual contributions to group success

###### Program courses meet this requirement

##### ADO 10: Understand and respect the diversity and interdependence of the world's peoples and cultures

###### Program courses meet this requirement

#### AVIATION FLIGHT TECHNOLOGY RELATED REQUIREMENTS – (6 credits)

##### Take the following:

CIS 101 Introduction to Computer Systems

MTH 133 Introduction to Probability & Statistics

#### AVIATION FLIGHT TECHNOLOGY CORE REQUIREMENTS – (35 credits)

##### Take the following:

AFT 100 Basic Maneuvers

AFT 110 Primary Ground School

AFT 115 Primary Flight I

AFT 120 Primary Flight II

AFT 125 Commercial Ground School

AFT 130 Commercial Flight I

AFT 135 Instrumental Ground School

AFT 140 Commercial Flight II

AFT 200 Commercial Flight III

AFT 205 Commercial Flight IV

*\*All enrollees must be capable of attaining the FAA class II  
medical certificate.*