

# Aviation Maintenance Technology

Associate in Applied Science Degree in Aviation Maintenance Technology

Somerset Community College  
Program Overview

somerset.kctcs.edu

## PROGRAM COORDINATOR

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## PROGRAM DETAILS

With the rapid growth and technology advancements in the aviation field, there is a huge demand for certified Aviation Maintenance Technicians. These individuals perform a



variety of duties to repair and maintain our nation's aircraft. Aviation Maintenance Technicians are responsible for maintaining this vital means of transportation. Somerset Community College offers a two-year degree or diploma program in Aviation Maintenance Technology.

The AMT program is an FAA-approved program designed to provide students with a working knowledge in the two major areas of airframe

and power plant. Students will gain the skills needed to inspect, service, and repair airframes and airframe power plants, including reciprocating and turbine engines and their associated accessories. The facility is located adjacent to the Somerset/Pulaski County Airport, providing students with actual hands-on experiences in an airport environment.

Graduates of the Aviation Maintenance Technology program are capable of inspecting and repairing any aircraft to assure safe operations. This capability demands a thorough understanding of all the components of an aircraft and of the functioning relationships of one component to another. With air safety ultimately dependent upon the skills and integrity of the maintenance staff, students in our Aviation Maintenance program are taught to perform to a no-fault level and assume accountability for all tasks undertaken.

Graduates of the program meet eligibility requirements to take Federal Aviation Administration (FAA) certification examinations for both Airframe and Power Plant (A&P) mechanic ratings.

## AVIATION TECHNOLOGY CREDENTIALS:

### CERTIFICATES:

- Airframe Maintenance Technician (37-46 credit hours)
- Power Plant Maintenance Technician (37-46 credit hours)

### DIPLOMA:

- Airframe and Power Plant Maintenance Technician (67 credit hours)

### ASSOCIATE IN APPLIED SCIENCE DEGREE:

- Aviation Maintenance Technology (76 credit hours)

## CAREER OPTIONS:

Surveys and studies conducted by the FAA, General Aviation manufacturers Association (FAMA), Future Aviation Professionals Association (FAPA), and Professional Aviation Maintenance Association (PAMA) have projected a shortage of trained technicians during the next decade. This program is designed to provide students with a working knowledge in the two major areas of airframe and power plant. Students will gain the skills needed to inspect, service, and repair airframes and airframe power plants, including reciprocating and turbine engines and their associated accessories.

## INSTRUCTORS

Jerry Graham  
(606) 451-6788  
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Dave Phelps  
(606) 451-6838  
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## PROGRAM LOCATION:

The program is located on SCC's Somerset Campus adjacent to the Somerset/Pulaski County Airport. This proximity to the airport provides students with actual hands-on experiences in an airport environment.



**SOMERSET**  
COMMUNITY COLLEGE

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Advising Planner

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## REQUIRED COURSES

GENERAL EDUCATION REQUIREMENTS (15 HOURS)		Credit
ENG 101	Writing I . . . . .	3
	Quantitative Reasoning . . . . .	3
	Natural Sciences . . . . .	3
	Heritage/Humanities . . . . .	3
	Social/Behavioral Sciences . . . . .	3

## TECHNICAL COURSES REQUIRED (61 HOURS)

ATE 100	Aviation Math . . . . .	1
ATE 102	Introduction to Aviation Maintenance Technology I . . . . .	3
ATE 104	Introduction to Aviation Maintenance Technology II . . . . .	3
ATE 106	Introduction to Aviation Maintenance Technology III . . . . .	3
ATE 108	Introduction to Aviation Maintenance Technology IV . . . . .	3
ATE 202	Aircraft Structures I . . . . .	3
ATE 204	Aircraft Structures II . . . . .	3
ATE 206	Aircraft Structures III . . . . .	3
ATE 208	Aircraft Structures IV . . . . .	3
ATE 222	Aircraft Systems I . . . . .	3
ATE 224	Aircraft Systems II . . . . .	3
ATE 226	Aircraft Systems III . . . . .	3
ATE 228	Aircraft Systems IV . . . . .	3
ATE 242	Aircraft Powerplants I . . . . .	3
ATE 244	Aircraft Powerplants II . . . . .	3
ATE 246	Aircraft Powerplants III . . . . .	3
ATE 248	Aircraft Powerplants IV . . . . .	3
ATE 252	Aircraft Powerplant Systems I . . . . .	3
ATE 254	Aircraft Powerplant Systems II . . . . .	3
ATE 256	Aircraft Powerplant Systems III . . . . .	3
ATE 258	Aircraft Powerplant Systems IV . . . . .	3

TOTAL HOURS FOR PROGRAM – 76

## SEMESTER COURSE LISTING

### SEMESTER ONE (16 HOURS)

ATE 100  
ATE 102  
ATE 104  
ATE 106  
ATE 108  
Transitional/Math

### SEMESTER TWO (15 HOURS)

ATE 202  
ATE 204  
ATE 206  
ATE 208  
Transitional/Digital Literacy needed

### SEMESTER THREE (15 HOURS)

ATE 222  
ATE 224  
ATE 226  
ATE 228  
Transitional/Gen Ed if needed

### SEMESTER FOUR (15 HOURS)

ATE 242  
ATE 244  
ATE 246  
ATE 248  
Transitional/Gen Ed if needed

### SEMESTER FIVE (15 HOURS)

ATE 252  
ATE 254  
ATE 256  
ATE 258  
Transitional/Gen Ed if needed

TOTAL HOURS FOR PROGRAM – 76

Notes: