

AVIATION MAINTENANCE TECHNOLOGY

JUMP-START YOUR DEGREE INTO FULL SPEED

Be a part of the exciting new growth in our Aviation Maintenance Technology (AVM) Program! Our planned expansion provides the opportunity to significantly increase the number of students able to participate in the program.

ASSOCIATE IN APPLIED SCIENCE

PROGRAM OVERVIEW

Federally-licensed graduates of this program are prepared to assume positions as airline or general aviation engine and/or airframe mechanics. The program is certified to provide approved instruction leading to FAA Airframe and Powerplant certificate examinations. Currently, 2,000 hours of instruction are offered in the areas of airframe and powerplant, which translates to 11 months of instruction in each year of the two-year program.

WORK AND EMPLOYMENT

In addition to the general aviation engine and/or airframe mechanic, graduates have found work in other job-related areas, such as sheet metal construction and repair, reciprocating and turbine engine repair and overhaul, engine accessory overhaul and repair, air conditioning systems, welding, hydraulics, pneumatics, and electrical systems maintenance.

TRANSFER OPPORTUNITIES

The program provides the first two years of a baccalaureate program for those who wish to pursue a four-year degree. Graduates also receive preferential admission status when they apply to the B.S. in Aviation Management or Aviation Technologies programs at Southern Illinois University.

APPLYING FOR THE PROGRAM

A special application is required for admission to the program. Students are urged to apply as soon as possible prior to the fall term in which they wish to enroll. Contact the program office for an application.

CERTIFICATES AVAILABLE

- Aviation Maintenance
- Airframe Technician
- Powerplant Technician

A.A.S. DEGREE TRANSFER TO SELECT UNIVERSITIES

AVIATION MAINTENANCE COURSE REQUIREMENTS - 76 CREDITS

AVM 101	Materials and Processes	3
AVM 102	Basic Electricity	3
AVM 103	Aviation Mathematics and Physics	2
AVM 104	Records and Publications	3
AVM 105	Aircraft Drawing-Weight and Balance	3
AVM 106	Cleaning and Corrosion Control	3
AVM 160	Fuel and Lubrication Systems	6
AVM 161	Engine Support Systems	3
AVM 162	Basic Powerplants	6
AVM 163	Ignition Systems	3
AVM 164	Advanced Powerplants	6
AVM 165	Engine Electrical Systems	2
AVM 166	Propeller Systems	3
AVM 241	Aircraft Finishing and Covering	3
AVM 242	Cabin Atmosphere Control Systems	2
AVM 243	Aircraft Welding	1
AVM 244	Aircraft Auxiliary Systems	1
AVM 245	Aircraft Electrical Systems	3
AVM 246	Aircraft Instruments and Communication Systems	3
AVM 247	Aircraft Metal Structures	6
AVM 248	Hydraulic and Pneumatic Control Systems	3
AVM 249	Aircraft Fuel Systems	1
AVM 250	Assembly and Rigging	3
AVM 251	Landing Gear Systems	2
AVM 252	Airframe Inspection	2

GENERAL EDUCATION COURSE REQUIREMENTS - 6 CREDITS

* ENG 101	Composition I	3
* ENG 110	Introductory Technical Writing or	
* SPH 131	Fundamentals of Speech or	
* ENG 103	Composition II, or	
SPH 141	Business and Professional Speech	3

*Course has a prerequisite.



CERTIFICATES

AVIATION MAINTENANCE/7201 - 76 CREDITS

AVM 101	Materials and Processes	3
AVM 102	Basic Electricity	3
AVM 103	Aviation Mathematics and Physics	2
AVM 104	Records and Publications	3
AVM 105	Aircraft Drawing-Weight and Balance	3
AVM 106	Cleaning and Corrosion Control	3
AVM 160	Fuel and Lubrication System	6
AVM 161	Engine Support System	3
AVM 162	Basic Powerplants	6
AVM 163	Ignition Systems	3
AVM 164	Advanced Powerplants	6
AVM 165	Engine Electrical Systems	2
AVM 166	Propeller Systems	3
AVM 241	Aircraft Finishing and Covering	3
AVM 242	Cabin Atmosphere Control Systems	2
AVM 243	Aircraft Welding	1
AVM 244	Aircraft Auxiliary Systems	1
AVM 245	Aircraft Electrical Systems	3
AVM 246	Aircraft Instruments and Communication Systems	3
AVM 247	Aircraft Metal Structures	6
AVM 248	Hydraulic and Pneumatic Control Systems	3
AVM 249	Aircraft Fuel Systems	1
AVM 250	Assembly and Rigging	3
AVM 251	Landing Gear Systems	2
AVM 252	Airframe Inspection	2

CERTIFICATES (Continued)

AIRFRAME TECHNICIAN/7202 - 47 CREDITS

AVM 101	Materials and Processes	3
AVM 102	Basic Electricity	3
AVM 103	Aviation Mathematics and Physics	2
AVM 104	Records and Publications	3
AVM 105	Aircraft Drawing-Weight and Balance	3
AVM 106	Cleaning and Corrosion Control	3
AVM 241	Aircraft Finishing and Covering	3
AVM 242	Cabin Atmosphere Control Systems	2
AVM 243	Aircraft Welding	1
AVM 244	Aircraft Systems Auxiliary	1
AVM 245	Aircraft Electrical Systems	3
AVM 246	Aircraft Instruments and Communication Systems	3
AVM 247	Aircraft Metal Structures	6
AVM 248	Hydraulic and Pneumatic Control Systems	3
AVM 249	Aircraft Fuel Systems	1
AVM 250	Assembly and Rigging	3
AVM 251	Landing Gears Systems	2
AVM 252	Airframe Inspection	2

POWERPLANT TECHNICIAN/7203 - 46 CREDITS

AVM 101	Materials and Processes	3
AVM 102	Basic Electricity	3
AVM 103	Aviation Mathematics and Physics	2
AVM 104	Records and Publications	3
AVM 105	Aircraft Drawing-Weight and Balance	3
AVM 106	Cleaning and Corrosion Control	3
AVM 160	Fuel and Lubrication System	6
AVM 161	Engine Support System	3
AVM 162	Basic Powerplants	6
AVM 163	Ignition Systems	3
AVM 164	Advanced Powerplants	6
AVM 165	Engine Electrical Systems	2
AVM 166	Propeller Systems	3

FOR MORE INFORMATION

Aviation Maintenance Technology Program.....(815) 921-
Division of Technical Programs.....(815) 921-

Rock Valley College

RockValleyCollege.edu/Av

WONDERING WHAT CAREER PATHS ARE AVAILABLE, HOW MUCH YOU MIGHT EARN, AND HOW MUCH EVERYTHING COSTS?

GAINFUL EMPLOYMENT INFORMATION

Aviation Maintenance (#7201)	2011-2012	2012-2013
Length of Program (based on ft status)	24 Months	24 Months
Cost of Programs (tuition/fees only)	\$8,993	\$7,296
Additional Fees (program-specific)	\$1,500 (tool kit)	\$1,500 (tool kit)
Estimated Cost of Books and Supplies (program-specific)	\$875	\$875 (books), \$875 (lab fees)
SOC Code*		47.0609
Completers		13

Airframe Technician (#7202)	2011-2012	2012-2013
Length of Program (based on ft status)	24 Months	24 Months
Cost of Programs (tuition/fees only)	\$8,993	\$7,296
Additional Fees (program-specific)	\$1,500 (tool kit)	\$1,500 (tool kit)
Estimated Cost of Books and Supplies (program-specific)	\$875	\$875 (books), \$875 (lab fees)
SOC Code*		47.0609
Completers		1

Powerplant Technician (#7203)	New Certificate (no info available)	2012-2013
Length of Program (based on ft status)		24 Months
Cost of Programs (tuition/fees only)		\$4,517
Additional Fees (program-specific)		0
Estimated Cost of Books and Supplies (program-specific)		0
SOC Code*		47.0608
Completers		1

*What is a SOC Code?
SOC is short for Standard Occupational Classification, the system federal agencies use to classify workers into occupational categories.

For more information about our graduation rates, the median debt of students who have completed the program, and other important information, please visit our website at: RockValleyCollege.edu/Aviation.

RockValleyCollege

Aviation
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RockValleyCollege.edu/Aviation

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AVIATION MAINTENANCE TECHNOLOGY

Your career is cleared for takeoff!

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