

AIRCRAFT MAINTENANCE TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE



APPLIED TECHNOLOGY

Associate in Applied Science: AAS 3670

88-115 Credits

Program Contact

Bashir Khalil | 480-988-8112 | bashir.khalil@cgc.edu

Program Description

The Associate in Applied Science (AAS) in Aircraft Maintenance Technology degree is designed to provide students with strong General Education skills in support of their aviation maintenance knowledge. This degree prepares students to enter careers in aircraft (fixed-wing and rotorcraft) and structural manufacturing and maintenance. Graduates can potentially work in general, corporate, commercial, or military sectors. Students who complete this program are eligible to apply for relevant Federal Aviation Administration written, oral, and practical exams. A Certificate of Completion (CCL) in Aircraft Maintenance Technology is fully embedded in this AAS.

Program Notes

Students must earn a grade of "C" or better in all courses within the program. Overall program minimum GPA = 2.00.

++ indicates any suffixed course may be selected.

Admission Criteria

Students wishing to enroll in this Aircraft Maintenance Technology program must complete an application process before being officially accepted into the program.

Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
Required Courses			
Select one of the following:		0-19	

AMT124 & AMT126 & AMT128 Aircraft Forms and Regulations, Weight and Balance, Drawings, and Ground Operations and Fundamentals of Mathematics and Electricity and Fundamentals of Aviation Physics, Corrosion Control, Materials and Processes, Fluid Lines and Fittin

Hold a valid FAA Airframe or Powerplant Certificate			
AMT220	Fundamentals Of Aircraft Wood Structures, Covering And Finishing, And Bonded Structures	3	
AMT222	Atmosphere Control, Fire Detection, Ice and Rain Protection Systems	4	
AMT224	Aircraft Sheet Metal	5	
AMT226	Aircraft Landing Gear, Hydraulic, Pneumatic, Fuel, Position And Warning Systems	7	
AMT228	Aircraft Electrical Systems, Instruments, Fuel Indicating, Communication And Navigation Systems	7	
AMT230	Airframe Assembly, Inspection And Welding	6	
AMT263	Aircraft Turbine Engines	5	
AMT264	Aircraft Reciprocating Engines	7	

AMT266	Engine Fuel Systems, Fuel Metering and Induction System	6	_____
AMT268	Engine Electrical, Ignition and Starter Systems	6	_____
AMT270	Engine Instruments, Fire Protection And Lubrication, Cooling And Exhaust Systems	5	_____
AMT272	Propeller Systems and Engine Inspections	4	_____
FYE101	Introduction to College, Career and Personal Success	1-3	_____
or FYE103	Exploration of College, Career and Personal Success		_____
General Education			
Core			
<i>First-Year Composition</i>			
ENG101	First-Year Composition	3	_____
or ENG107	First-Year Composition for ESL		_____
ENG102	First-Year Composition	3	_____
or ENG108	First-Year Composition for ESL		_____
<i>Oral Communication</i>			
Select one of the following:		3	_____
COM100	Introduction to Human Communication		_____
COM110	Interpersonal Communication		_____
COM225	Public Speaking		_____
COM230	Small Group Communication		_____
<i>Critical Reading</i>			
Select one of the following:		0-3	_____
CRE101	College Critical Reading and Critical Thinking		_____
Or equivalent as indicated by assessment			_____
<i>Mathematics</i>			
Select one of the following:		3-6	_____
MAT120	Intermediate Algebra		_____
MAT121	Intermediate Algebra		_____
MAT122	Intermediate Algebra		_____

MAT126	Intermediate Algebra with Review		_____
Distribution			
<i>Humanities, Arts and Design</i>			
Any approved general education course(s) from the Humanities, Arts and Design area		3	_____
<i>Social and Behavioral Sciences</i>			
Any approved general education course(s) in the Social and Behavioral Sciences area		3	_____
<i>Natural Sciences</i>			
PHY101	Introduction to Physics	4	_____
Total Credits		88-115	_____