

Aviation Maintenance Technology - General Emphasis

Associate in Science

Minimum of 69 Credits

The Aviation Maintenance Technology program is a cooperative alliance program conducted jointly by Oklahoma City Community College and Metro Tech Technology Center. Federal Aviation Administration certified airframe and powerplant courses are offered exclusively at the Metro Tech Aviation Career Center campus. Required general education and support courses are offered at the Oklahoma City Community College campus.

Aviation maintenance technicians service, repair and overhaul various aircraft components and systems including electrical and hydraulic systems, airframes, engines and propellers on commercial and private aircraft. The curriculum stresses aviation maintenance principles, critical thinking and communication skills, in addition to mathematics, science and technological skills. This degree is a part of the Oklahoma City Aviation/Aerospace Education Alliance providing opportunities for high school and adult students.

Course ID	Course Name	Credits	Type	Prerequisites
Suggested Freshman 1st Semester				
SCL 1001	SUCCESS IN COLLEGE AND LIFE	1	LIFE SKILLS	NONE
AMT 1113	FUNDAMENTALS OF AVIATION MAINTENANCE	3	MAJOR	(R)
ENGL 1113	ENGLISH COMPOSITION I	3	GEN ED	(R) (W), ADEQUATE READING AND WRITING ASSESSMENT SCORES OR LS 0033 COLLEGE WRITING II, EITHER TAKEN WITHIN THE LAST YEAR, WITH STRONG ENCOURAGEMENT FOR IMMEDIATE CONTINUATION.
HIST 1483	U.S. HISTORY TO THE CIVIL WAR —OR—		GEN ED	(R) (W)
HIST 1493	U.S. HISTORY SINCE THE CIVIL WAR	3	GEN ED	(R) (W)
BIO 1114	GENERAL BIOLOGY	4	GEN ED	(R) (W) (M)
MATH 1513	COLLEGE ALGEBRA	3	GEN ED	(R), MATH 0123 OR ADEQUATE MATH PLACEMENT TEST SCORE, EITHER WITHIN THE LAST YEAR.
Freshman 2nd Semester				
AMT 1212	BASIC AIRCRAFT ELECTRONICS	2	MAJOR	(R)
AMT 1123	TECHNICAL MECHANICS AND REGULATIONS	3	MAJOR	(R)
PHYS 1114	COLLEGE PHYSICS I	4	GEN ED	(R) (W), MATH 1513 OR HIGHER OR APPM 1223, WITHIN THE LAST TWO YEARS OR EVALUATION BY INSTRUCTOR.
HUM	HUMANITIES ELECTIVE	3	GEN ED	
PSY 1113	INTRODUCTION TO PSYCHOLOGY	3	GEN ED	(R)
ENGL 1213	ENGLISH COMPOSITION II	3	GEN ED	(R) (W), ENGL 1113 ENGLISH COMPOSITION I TAKEN WITHIN THE LAST YEAR, WITH STRONG ENCOURAGEMENT FOR IMMEDIATE CONTINUATION.
Sophomore 1st Semester				
AMT 1312	AIRCRAFT STRUCTURES I	2	MAJOR	(R) (W) (M)
AMT 2112	AIRFRAME SYSTEMS I	2	MAJOR	(R) (W) (M)
AMT 2213	RECIPROCATING ENGINES I	3	MAJOR	(R) (W) (M)
AMT 2312	JET TURBINE POWERPLANT I	2	MAJOR	(R)
BUS 2023	BUSINESS STATISTICS	3	GEN ED	(R), MATH 0123 OR EQUIVALENT OR ADEQUATE MATH PLACEMENT TEST SCORE
POLSC 1113	AMERICAN FEDERAL GOVERNMENT	3	GEN ED	(R) (W)
HUM	HUMANITIES ELECTIVE	3	GEN ED	
Sophomore 2nd Semester				
AMT 1323	AIRCRAFT STRUCTURES II	3	MAJOR	(R)
AMT 2122	AIRFRAME SYSTEMS II	2	MAJOR	(R)
AMT 2222	RECIPROCATING ENGINES II	2	MAJOR	(R)
AMT 2323	JET TURBINE POWERPLANT II	3	MAJOR	(R) (W) (M)
ECON 2113	PRINCIPLES OF MACROECONOMICS	3	GEN ED	(R) (W) (M)
GEOG 2603	WORLD REGIONAL GEOGRAPHY	3	GEN ED	(R)

Major Courses: (27 credit hours) AMT 1113; AMT 1123; AMT 1212; AMT 1312; AMT 1323; AMT 2112; AMT 2122; AMT 2213; AMT 2222; AMT 2312; AMT 2323

General Education Courses: (41 credit hours) English: ENGL 1113; Computer-Assisted: ENGL 1213; History: HIST 1483 or HIST 1493; Political Science: POLSC 1113; Mathematics: MATH 1513; Humanities: six credit hours; Physics: PHYS 1114; Biology: BIO 1114; Economics: ECON 2113; Psychology: PSY 1113; Geography: GEOG 2603; Business: BUS 2023

Life Skills Courses: (1 credit hour) Life Skills: SCL 1001

Support Courses: None

Notes: This program is designed for students planning to continue their education at a four-year college or university. See University Parallel/Transfer Programs in the front section of the catalog. Major courses are available only at Metro Tech Aviation Career Center.

This program is offered through a cooperative alliance established with Metro Tech Technology Center.

* Students must file all financial aid through the technology center while attending there.