

Aviation Maintenance Management Program

Overview of the Program

This degree option prepares the graduate for a career as an Aircraft Maintenance Manager. Although Aircraft Maintenance Managers typically begin their careers as Aircraft Maintenance Technicians (AMT), they possess the skills required to transition into entry level supervisory positions as experience and opportunity allow. Aircraft Maintenance Managers are responsible for supervising aircraft maintenance, repair, and overhaul functions with major and regional airline maintenance operations, to include airline major maintenance base operations and airline line maintenance operations; Part 145 overhaul and major maintenance base operations; aircraft, powerplant and component manufacturing operations; corporate aviation operations, armed forces flight operations; and small aircraft general aviation fixed base maintenance operations. Graduates earn an Associate of Applied Science degree in Aviation Maintenance Technology, an FAA Airframe and Powerplant certification, and a Bachelor of Science in Aviation Maintenance Management.

Contact Information

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For More Information visit
<https://www.fairmontstate.edu/collegeofscitech/academics/aviation-technology-program>

Fairmont State University is an Equal Opportunity, Affirmative Action institution.

Employment opportunities

Major airlines (United, US Airways, Delta Airlines, etc.), general aviation fixed base aircraft maintenance operations (FBO), aircraft manufacturers (Cessna, Piper, Boeing, Bombardier, etc.), corporate aviation (Lowes, Mylan Labs, etc.); Federal Aviation Administration; US armed forces; and Part 145 aircraft overhaul and major maintenance repair stations (regional airlines such as US Airways Express, United express, America West, etc.). Local and regional employers include the Bombardier Aerospace Canadair Regional Jet Service Center, Pratt & Whitney Engine Services, Aurora Flight Sciences West Virginia, Lockheed Martin, KCI Aviation, FMW Composites, Tiger Aircraft, National Guard Fixed Wing Training Center, Air Force Reserve, and Sino Swearingen Aircraft.

BLS median annual wage for 2015
Aviation Administrators

Management **\$86,630**

Operations **\$58,390**



FRESHMAN FIRST SEMESTER

AVMT 1101 Intro to Aviation Maintenance..... 3
 AVMT 1102 Aircraft Basic Science 3
 AVMT 1103 Aviation Shop Practices.....3
 INFO 1100 Computer Concepts & Applications .3
 MATH 1101 Applied Technical Math.....3
 15

FRESHMAN SECOND SEMESTER

AVMT 1105 Aircraft Utility Systems.....3
 AVMT 1109 Aircraft Electronics..... 3
 AVMT 2201 Reciprocating Engines..... 3
 AVMT 2202 Aircraft Sheet Metal..... 3
 COMP 1101 Applied Technical Programming3
 ENGL 1104 Written English 3
 18

SUMMER I

AVMT 2204 Aircraft Propellers & Controls..... 3
 -ORAVMT
 2206 Aircraft Fluid Power & Landing Gear Sys.. 3

SUMMER II

AVMT 2204 Aircraft Propellers & Controls.....3
 -ORAVMT
 2206 Aircraft Fluid Power & Landing Gear Sys.. 3
 12

SOPHOMORE FIRST SEMESTER

AVIO 1110 Aircraft Power Generation & Dist. 3
 AVMT 2203 Recip. Engine Maint. & Return
 to Service. 5
 AVMT 2205 Turbine Engines & Systems..... 3
 AVMT 2209 Airframe Inspection & Flight
 Control Sys. 3
 ENGL 1108 Advanced Written English..... 3
 17

SOPHOMORE SECOND SEMESTER

AVMT 1106 Aircraft Information Systems..... 3
 AVMT 2207 Turbine Engine Maintenance
 & Inspection.....3
 AVMT 2208 Cabin Atmosphere Control
 Systems..... 3
 AVMT 2210 Non-Metallic Structures..... 3
 ENGL 1109 Technical Report Writing 3
 Social Science Elective..... 3
 18

SUMMER I

AVMT 2299 FAA Capstone Review (optional).... 3

SUMMER II

AVMT 2299 FAA Capstone Review (optional)... 3

JUNIOR FIRST SEMESTER

AVMA 3303 Airline Operations..... 3
 AVMA 3304 Airline Maintenance Mgt. 3
 ENGL 2220/2230 Literature Elective 3
 MATH 1102 Applied Technical Math II 3
 PHED 1100 Fitness & Wellness..... 2
 PSYC 1101 Intro to Psychology 3
 17

JUNIOR SECOND SEMESTER

AVMA 3301 Aviation History 3
 AVMA 3302 Aviation Law..... 3
 ECON 2200 Economics 3
 MGMT 2209 Principles of Management..... 3
 PHYS 1101 Intro to Physics I..... 4
 SPCM 1100 Intro to Speech Communications..... 3
 19

SUMMER I

AVMT 2299 FAA Capstone Review (optional)..... 3

SUMMER II

AVMT 2299 FAA Capstone Review (optional)..... 3

SENIOR FIRST SEMESTER

AVMA 3307 Human Factors in Aviation Safety..... 3
 AVMA 4404 Advanced Composite Structures 3
 -OR
 AVMA 4405 Advanced NDT..... 3
 Fine Arts Elective 3
 PHYS 1102 Intro to Physics II..... 4
 SOCY 1110 Intro to Sociology..... 3
 16

SENIOR SECOND SEMESTER

AVMA 3305 General Aviation Ops..... 3
 AVMA 4402 Fiscal Aspects of Aviation..... 3
 AVMA 4499 Management Internship..... 3
 ENGL 2221/2231 Literature Elective 3
 MANF 2250 Total Quality & SPC..... 3
 MGMT 3390 Human Behavior in Orgs. 3
 18

SUMMER I

AVMT 2299 FAA Capstone Review (optional)..... 3

-Note: The AVMT 2299 FAA Capstone Review Class is offered both Summer I and Summer II of each year to prepare second-year AMT Majors for taking the FAA written, oral and practical A & P certification exams. This class, while highly recommended, is not an FAA certificate requirement.

-All first semester classes (AVMT 1101, 1102, & 1103) are pre-requisites for all subsequent classes.

-Math 1101 is a requirement of the FAA Part 147 curriculum and a co-requisite of all subsequent classes.

-All aviation AVMA courses are offered on a twelve to eighteen month rotation. Inspection

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