



Aviation Maintenance Technology

Semester Course Outline • 2025 – 2026

18 Months (4 Semesters) • Revised: 3/3/25

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 71

First Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AVM 100	Regulations, Maintenance Forms, Records and Publications, and Human Factors	28	1
AVM 103	Weight and Balance	28	1
AVM 106	Physics for Aviation	28	1
AVM 109	Ground Operations and Servicing	28	1
AVM 112	Aircraft Drawings	28	1
AVM 115	Aircraft Materials, Hardware, and Processes	84	3
AVM 118	Shop Practices and Safety	28	1
AVM 121	Fundamentals of Electricity and Electronics	70	2.5
AVM 127	Cleaning and Corrosion Control	28	1
AVM 130	Flight Controls	28	1
AVM 134	Fluid Lines and Fittings	28	1
<ul style="list-style-type: none"> Selected Communications Course (Choose one) CMST 101 – Foundations of Communication * (CSS 100 – Career Search Strategies .5 credit) COMM 101 – Communications and Career Strategies ENGL 101 – Composition * (CSS 100 – Career Search Strategies .5 credit) 		45	3
Total		451	17.5

First Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AVM 133	Airframe Fuel Systems	28	1
AVM 136	Non-Metallic Structures	70	2.5
AVM 139	Metallic Structures	84	3
AVM 142	Hydraulic and Pneumatic Power Systems	28	1
AVM 145	Landing Gear Systems	56	2
AVM 148	Airframe Electrical Systems	70	2.5
AVM 151	Airframe Instrument Systems	28	1
AVM 154	Communications, Light Signals, and Runway Lighting Systems	56	2
AVM 157	Utility Systems, Ice and Rain, Aircraft Fire Protections, and Water and Waste Systems	56	2
AVM 160	Environmental Systems	28	1
AVM 163	Inspection Concepts and Techniques	42	1.5
Total		546	19.5



Second Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AVM 206	Reciprocating Engines, Theory, Maintenance and Overhaul, and Removal and Installation	140	5
AVM 218	Engine Lubrication Systems	42	1.5
AVM 221	Engine Fuel and Fuel Metering Systems	42	1.5
AVM 227	Propellers	56	2
AVM 230	Ignition and Starting Systems	56	2
<ul style="list-style-type: none"> Selected Behavioral Science Course (Choose one) PSYC 100 – Psychology of Human Relations PSYC 101 – General Psychology * 		45	3
<ul style="list-style-type: none"> Selected Mathematics Course (Choose one) MATH 100 – Applied General Math MATH 101 – Intermediate Algebra MATH 103 – Mathematical Reasoning MATH 114 – College Algebra * 		45	3
Total		426	18

Second Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AVM 212	Turbine Engine Technology, Service and Maintenance	98	3.5
AVM 224	Engine Fire Protection Systems	14	.5
AVM 233	Engine Induction, Air and Cooling Systems	42	1.5
AVM 236	Engine Electrical Systems	56	2
AVM 242	Engine Exhaust and Thrust Reverser Systems	14	.5
AVM 245	Engine Instrument Systems	28	1
AVM 248	Engine Inspections	28	1
CSC 105	Computer Software Applications	45	3
<ul style="list-style-type: none"> Selected Social Science Course (Choose one) ECON 105 – Leadership in the Global Workplace ECON 201 – Principles of Microeconomics I * SOC 100 – Introduction to Sociology * 		45	3
Total		370	16

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk (*) can be transferred directly to the university system and may be substituted for recommended courses on the outline. Students should speak with an advisor before doing so.

Students who select to take transferable communications course CMST 101 or ENGL 101, must also register for CSS 100 – Career Search Strategies for .5 credit. This curriculum is required for all Lake Area Tech graduates and is included in the COMM 101 course but is separate from the university system.