MIAMI VALLEY CAREER TECHNOLOGY CENTER

Curriculum Plan 2026-2027

Program: Aviation Maintenance Technician

CTSO Primary: SkillsUSA 2

CTSO Secondary: SkillsUSA 2

Pathway: TA

WebXam: 09MC

Courses Offered

Level 1 Curriculum

Semester 1 Aviation Maintenance General (lab)

Semester 1 Aviation Maintenance General (related)

Semester 2 Aviation Structure And Design (lab)

Semester 2 Aviation Structure And Design (related)

Level 2 Curriculum

Semester 1 Aviation Airframe Systems (lab)

Semester 1 Aviation Airframe Systems (related)

Semester 2 Aviation Powerplant Systems And Components (lab)

Semester 2 Aviation Powerplant Systems And Components (related)

College Credits Available

Name	College	Semester Hours Available
AVT 1116 Regulations for Maintenance (CCP)	Sinclair College	3
AVT 1118 - Weight & Balance (Credit can be earned after passing FAA credential test.)	Sinclair College	3
AVT 1130 Basic Aviation Electricity	Sinclair College	3
AVT 1135 Materials and Processes	Sinclair College	4
AVT 1213 - Corrosion (Credit can be earned after passing FAA credential test.)	Sinclair College	3
AVT 2237 - Aircraft Inspections (Credit can be earned after passing FAA credential test.)	Sinclair College	3
AVT 1136 - Sheet Metal (Credit can be earned after passing FAA credential test.)	Sinclair College	4
AVT 2121 Assembly and Rigging	Sinclair College	3
AVT 2236 Non Metallic Structures	Sinclair College	4
AVT 1106 Airframe Safety Systems	Sinclair College	2
AVT 1107 Fuel Systems	Sinclair College	3
AVT 1133 Instruments/Communications	Sinclair College	3
AVT 1214 Cabin Atmospheric Control	Sinclair College	2
AVT 1218 - Utility Systems (Credit can be earned after passing FAA credential test.)	Sinclair College	6
AVT 2132 Airframe Electrical Systems	Sinclair College	4
AVT 1113 Drawings for Aviation	Sinclair College	3
AVT 1128 Power Plant Safety Systems	Sinclair College	3
AVT 2122 Ignition and Starting	Sinclair College	4
AVT 2126 Reciprocating Engines	Sinclair College	7
AVT 2129 - Propellers (Credit can be earned after passing FAA credential test.)	Sinclair College	4
AVT 2138 Engine Fuel and Fuel Metering	Sinclair College	3
AVT 2139 Induction/Exhaust/Cooling	Sinclair College	2
AVT 2219 - Turbine Engines (Credit can be earned after passing FAA credential test.)	Sinclair College	4
AVT 2143 Review& Rec (CCP)	Sinclair College	2

Credentials Available

Name	ODE Points Available
Ohio Driver's License (Self Obtained)	1
Federal Aviation Administration (FAA) - Airframe Mechanic	12
Federal Aviation Administration (FAA) - Power Plant Mechanic	12