

PROGRAM ARTICULATION DEGREE PLAN			
Indian Hills Community College   2023-2024		Southern Illinois University Carbondale	
AAS Aviation Maintenance Technology - 62 hrs		BS Aviation Technologies (AVT) Aviation Maintenance Management Specialization - 120 hrs	
		UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 Hrs	
		Hrs	Hrs
		UNIV 101	Saluki Success
		CMST 101	Intro to Oral Communication
ENG 105	Composition I	ENGL 101	Composition I
		ENGL 102	Composition II
MAT 772	Applied Math	MATH 101	Intro to Contemporary Math
	Behavioral/Social Science	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide
		SOCIAL SCIENCE	
		HUMANITIES	
		HUMANITIES	
	Science	PHYSICAL SCIENCE	See SIUC Transfer Equivalency Guide
		LIFE SCIENCE	
		HUMAN HEALTH	
		FINE ARTS	
		MULTICULTURAL	
		12	18
<b>Program Requirements</b>		<b>Program Requirements</b>	
AVM 103	Aircraft Materials & Processes	2	An Associate in Applied Science degree and/or Airframe and Powerplant certification satisfies the 39 hours of technical electives required for a BS in Aviation Technologies-Aviation Maintenance Management Specialization
AVM 104	Regulations & Publications	2	
AVM 107	Weight & Balance	1	
AVM 109	Basic Electricity	4	
AVM 110	Human Factors	1	
AVM 111	Ground Operations & Servicing	1	
AVM 119	Fundamentals of Physics	1	
AVM 121	Weather & Warning Systems	1	
AVM 122	Rotorcraft	1	
AVM 123	Aircraft Assembly & Rigging	2	
AVM 129	Landing Gear & Brake Systems	2	
AVM 131	Airframe Inspections	1	
AVM 134	Aircraft Hydraulics/Pneumatics	2	
AVM 135	Powerplant Inspection	1	
AVM 143	Aircraft Gas Turbines	4	
AVM 146	Aircraft Instrument Systems	2	
AVM 147	Airframe Fuel Systems	2	
AVM 149	Engine Lubrication Systems	2	
AVM 153	Powerplant Piston	5	
AVM 155	Aircraft Propeller Systems	3	
AVM 157	Induction/Cooling/Exhaust	1	
AVM 161	Aircraft Ignition Systems	3	
AVM 170	Aircraft Drawings	2	
AVM 172	Airframe & Powerplant Fire Protection	1	
AVM 173	Fluid Lines & Corrosion Control	3	
AVM 174	Structures I	3	
AVM 175	Structures II	3	
AVM 178	Cabin Environmental Systems	3	
AVM 200	Avionics I	3	
AVM 212	Powerplant Fuel Metering Systems	2	
AVM 217	Aircraft Electrical Systems	3	
CSC 110	Intro to Computers	3	
		70	
		AVT 329	Intro to Avionics Systems
		AVT 380	Aerospace Supply Chain Logistics
		AVT 390	MIS for Aerospace Applications
		AVT 470	Reliability, Maintainability, & Fault Prediction & Analysis
		AVT 475	Aerospace Lean Manufacturing & Maintenance Practices
		AVT 478	Aircraft Business & Industry Financial Practices
		AVT 485	Aerospace Maintenance Shop Operations
		AVT 488	Advanced Aerospace Safety Procedures
		IMAE 470A	Six Sigma Green Belt I
		IMAE 450 -or- TRM 470	Project Management
		AVT Internship/Cooperative Experience	AVT 319 -or- 320 -or- 358 or approved electives
			12
			42
<b>Total semester hrs completed with AAS degree:</b>		<b>82</b>	<b>Total semester hrs completed with BS degree:</b>
			<b>60</b>
			<b>Total hrs to BS degree:</b>
			<b>142</b>
Degree Plan updated on 4/17/23 by SG			