

PROGRAM ARTICULATION DEGREE PLAN			
Indian Hills Community College	2023-2024	Southern Illinois University Carbondale	
AAS Aviation Maintenance Technology - 82 hrs		BS Aviation Technologies (AVT) Helicopter Maintenance 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	3 ENGL 101	See <i>SIUC Transfer Equivalency Guide</i>
		ENGL 102	Composition II
MAT 772	Applied Math	3 MATH 101	Intro to Contemporary Math
	Behavioral/Social Science	3 SOCIAL SCIENCE	See <i>SIUC Transfer Equivalency Guide</i>
		SOCIAL SCIENCE	3
		HUMANITIES	3
		HUMANITIES	NA
	Science	3 PHYSICAL SCIENCE	See <i>SIUC Transfer Equivalency Guide</i>
		LIFE SCIENCE	3
		HUMAN HEALTH	NA
		FINE ARTS	3
		MULTICULTURAL	3
		12	18
Program Requirements		Program Requirements	
AVM 103	Aircraft Materials & Processes	2	An Associate in Applied Science degree and/or Airframe and Powerplant certification satisfies the 35 hours of technical electives required for a BS in Aviation Technologies - Helicopter Maintenance 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 & Break 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	
		AVM 376	Aviation Maintenance Management
		AVT 301	Helicopter Theory & General Maintenance Practice
		AVT 302	Helicopter General Maintenance Lab
		AVT 304	Helicopter Power Train & Inspection
		AVT 305	Cabin Environment & Jet Transport Systems
		AVT 306	Helicopter Power Train Lab
		AVT 310	Aircraft Electrical Systems
		AVT 380	Aerospace Supply Chain Logistics
		AVT 390	MIS for Aerospace Applications
		AVT 405	Flight Management Systems
		AVT 410	Advanced Composites
		AVT 470	Reliability, Maintainability, & Fault Prediction & Analysis
			46
Total semester hrs completed with AAS degree:		82	Total semester hrs completed with BS degree:
			64
			Total hrs to BS degree:
			146
<i>Degree Plan updated on 4/17/23 by SG</i>			