

PROGRAM ARTICULATION DEGREE PLAN				
Indian Hills Community College	2023-2024		Southern Illinois University Carbondale	
AAS Aviation Maintenance Technology - 82 hrs			BS Aviation Technologies (AVT) Aviation Electronics 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 39 hours of technical electives required for a BS in Aviation Technologies - Aviation Electronics 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		
			AVM 376	Aviation Maintenance Management
			AVT 305	Cabin Environment & Jet Transport Systems
			AVT 310	Aircraft Electrical Systems
			AVT 317	Intro to Aviation Electronics
			AVT 318	Aviation Electronics Control Systems
			AVT 321	Radio Theory & Practice
			AVT 327	Aircraft Communication
			AVT 380	Aerospace Supply Chain Logistics
			AVT 390	MIS for Aerospace Applications
			AVT 405	Flight Management Systems
			AVT 465	Digital Data Bussing & EFIS
			AVT 470	Reliability, Maintainability, & Fault Prediction & Analysis
				42
Total semester hrs completed with AAS degree:		82	Total semester hrs completed with BS degree:	
			Total hrs to BS degree:	
				142
<i>Degree Plan updated on 4/17/23 by SG</i>				