

PROGRAM ARTICULATION DEGREE PLAN			
John A Logan College	2022-2023	Southern Illinois University Carbondale	
AAS - Electronics Technology - 65 hrs		BS - Aviation Technologies - Aviation Electronics Specialization - 120 hrs	
		University Core Curriculum (UCC) - Capstone Option 30 hours	
		Hrs	Hrs
ORI 100	College 101	1	UNIV 101 Saluki Success
COM 115	Speech	3	CMST 101 Intro Oral Communication
ENG 101	English Composition I	3	ENGL 101 English Composition I
			ENGL 102 English Composition II
MAT 112 or 113	Intro to Contemporary Math	3	MATHEMATICS See <i>SIUC Transfer Equivalency Guide</i>
	IAI Social and Behavioral Science Elective	3	SOCIAL SCIENCE See <i>SIUC Transfer Equivalency Guide</i>
			SOCIAL SCIENCE 3
			HUMANITIES 3
			HUMANITIES NA
PHY 121	Technical Physics	3	PHYS 101 Physics that Changed the World
			LIFE SCIENCE 3
			FINE ARTS 3
			HUMAN HEALTH NA
			MULTICULTURAL 3
		16	15
Any additional courses may be taken at John A. Logan College provided they are IAI designated courses or have been articulated to meet a category within the University Core Curriculum			
Program Requirements		Program Requirements	
ELT 102	Basic Electricity and Wiring	4	An AAS in Electronics Technology satisfies the 39 hours of technical electives required for a BS in Aviation Technologies - Aviation Electronics Specialization
ELT 103	Applied DC/AC Circuits	4	
ELT 104	Intro to VFDs	2	
ELT 111	Digital Electronics I	3	
ELT 112	Digital Electronics II	3	
ELT 150	Applied Solid State Electronics	3	
ELT 151	Applied Solid State Circuits	3	
ELT 200	Intro to Microprocessors	3	
ELT 210	A+ Preparation Essentials	3	
ELT 214	A+ Preparation IT Technician	3	
ELT 215	IOT and Embedded Systems	3	
ELT 218	Intro to Network Technologies	3	
ELT 220	Linear Integrated Circuits	3	
ELT 224	Power Distribution and Motors	3	
MFT 103	Industrial Robots and PLCs	3	
MFT 201	PLC Manufacturing Systems	3	
		49	
			AVT 305 Cabin Envirn/Jet Transport Sys 5
			AVT 310 Aircraft Electrical Systems 5
			AVT 317 Intro to Aviation Electronics 3
			AVT 318 Aviat Electronics Control Syst 3
			AVT 321 Radio Theory & Practice 3
			AVT 327 Aircraft Communication 3
			AVT 380 Aerospc Supply Chain Logistics 3
			AVT 390 MIS for Aerospace Applications 3
			AVT 405 Flight Management Systems 3
			AVT 440 Unmanned Aircraft Systems 3
			AVT 465 Digital Data Bussing 5
			AVT 470 Reliability, Maintainability 3
			TRM 364 Work Center Management 3
			45
Total semester hrs completed w/AAS degree:		65	Total semester hrs completed w/BS degree: 60
			Total hrs to BS degree: 125
Degree Plan created on 4/22/22 by SW			