PROGRAM ARTICULATION DEGREE PLAN					
John A Logan College	**2022-2023**		**Southern Illinois University Carbondale**		
AAS - Electrical Engineering Technology - 66 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	NA
COM 115	Speech	3	CMST 101	Intro Oral Communication	T
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MAT 111	Pre-Calculus	3	MATH 111	Pre-Calculus	T
	IAI Social and Behavioral Science Elective	3	SOCIAL SCIENCE	*See SIUC Transfer Equivalency Guide*	T
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 155	College Physics I	5	PHYS 205/255A	College Physics	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		18			**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			
ELT 103	Applied DC/AC Circuits	4			
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	**An AAS in Electrical Engineering Technology satisfies the 39 hours of technical electives required for a BS in Aviation Technologies - Aviation Electronics Specialization**		
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 Disribution and Motors	3			
MFT 103	Industrial Robots and PLCs	3			
MAT 131	Calculus I	5	MATH 150	Calculus I	T
		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:		**67**	Total semester hrs completed w/BS degree:		**60**
			Total hrs to BS degree:		**127**
Degree Plan created on 4/22/22 by SW					