PROGRAM ARTICULATION DEGREE PLAN					
John A Logan College	*2022-2023*		*Southern Illinois University Carbondale*		
AAS Electronics Technology - 66-67 hrs			BS Electrical Engineering Technology (EET) - 120 hrs		
			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			**Hrs**
			UNIV 101	Saluki Success	NA
ENG 101 -or- ENG 113	English Composition I -or- Professional Tech Writing	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
MAT 112 or MAT 113	Intro to Contemporary Math Or Contemporary Math	3	MATH 101	Intro to Contemporary Math	T
	IAI Social/Behavorial Science	3	SOCIAL SCIENCE	*See SIUC Transfer Equivalency Guide*	T
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 155*	College Physics I	5	PHYS 203A/253A (Required for BS degree)	College Physics/Lab	T
			LIFE SCIENCE, GRP II	BS degree requires 2 PHYS courses	NA
			FINE ARTS		3
			BIOL 202	Human Genetics and Human Health	2
			MULTICULTURAL		3
*Recommended to fulfill BS degree requirements		**17**			**14**
Program Requirements			**Program Requirements**		
ORI 100	College 101	1			
ELT 102	Basic Electricity and Wiring	4			
ELT 104	Introduction to VFDs	2			
ELT 111	Digital Electronics I	3			
ELT 112	Digital Electronics II	3			
ELT 151	Applied Solid State Circuits	3			
ELT 210	A+ Preparation Essentials	3	**The AAS degree in Electronics Technology as articulated fulfills the technical elective requirements for the BS degree in Electricl Engineering Technology (EET).**		
ELT 214	A+ Preparation IT Technician	3			
ELT 215	IOT and Embedded Systems	3			
ELT 218	Introduction 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			
ELT 103	Applied DC/AC Circuits	4	EET 245 (Required for BS degree)	Introductory Circuit Theory & Applications	T
ELT 150	Applied Solid State Electronics	3	EET 150 (Required for BS degree)	Intro to Electrical Engineering Technology	T
ELT 200	Introduction to Microprocessors	3	EET 238 (Required for BS degree)	Digital System Fundamentals	T
		50			
			ENGR 222	Computational Methods for Engineers and Technologists	2
			MATH 111	Precalculus	4
			MATH 150	Calculus I	5
			MATH 282	Statistics	3
			MGMT 202	Business Communications	3
			PHYS 203B/253B	College Physics/Lab	4
			EET 304A	AC/DC Circuit Theory and Application	4
			EET 304B	AC Network Theory and Application	4
			EET 332A	DC Motors, Generators and Energy Conversion Devices	4
			EET 332B	AC Electric Machines and Power Systems	4
			EET 403A	Electronic Circuit Analysis	4
			EET 403B	Electronics Application and Design	4
			EET 437A	Telecommunication Systems Fundamentals	4
			EET 437B	Data and Computer Communication	4
			EET 438A	Automatic Control Systems Technology	4
			EET 438B	Sequential Digital Control and Data Acquisition	4
			EET 439	Microcontroller Application and Design	4
			EET 495A	Senior Design I	1
			EET 495B	Senior Design II	1
					67
Total semester hrs completed w/ AAS degree		**67**	**Total semester hrs completed w/ BS degree**		**76**
			Total semester hours to BS degree:		**143**
Degree plan created on 10/11/2022 by SW					