

PROGRAM ARTICULATION DEGREE PLAN								
John A. Logan College 2023-2024		Southern Illinois University Carbondale						
Associate in Applied Science - Biomedical Electronics Technology - 66-67 hrs		BS Electrical Engineering Technology - 120 hrs						
		University Core Curriculum (UCC) Capstone Option - 30 hrs						
		Hrs		Hrs				
COM 115 or COM 121	Speech or Adv Public Speaking	3	UNIV 101	Saluki Success	NA			
ENG 101 or ENG 113	English Composition I or Prof Tech Writing	3	CMST 101	Intro to Oral Communication	T			
			ENGL 101	English Composition I	T			
			ENGL 102	English Composition II	NA			
MAT 113 or MAT 112	Intro to Contemporary Mathematics	3	MATH 101	Intro Contemporary Math	T			
ECO 201	Macroeconomics	3	ECON 241	Intro to Macroeconomics	T			
			SOCIAL SCIENCE		3			
			HUMANITIES		3			
			HUMANITIES		NA			
PHY 121	Technical Physics	3	PHYS 203/253A (required)	College Physics	T			
			LIFE SCIENCE		3			
			FINE ARTS		3			
			HUMAN HEALTH		NA			
			MULTICULTURAL		3			
		15			15			
<b>Program Requirements</b>								
ORI 100	College 101	1	<b>Program Requirements</b>					
ELT 102	Basic Electricity and Wiring	4	<b>Any course not articulated will be used to satisfy general elective credit.</b>					
ELT 111	Digital Electronics I	3						
ELT 112	Digital Electronics II	3						
ELT 151	Applied Solid State Electronics	3						
ELT 170	Biomedical Instrumentation I	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 250	Biomedical Instrumentation II	3						
ELT 280	Biomedical Instrumentation III	3						
ELT 103	Applied DC/AC Currents	4				EET 245 (required)	Introductory Circuit Theory & Applications	T
ELT 150	Applied Solid State Electronics	3				EET 150 (required)	Intro to Electrical Engineering Technology	T
ELT 200	Introduction to Microprocessors	3				EET 238 (required)	Digital System Fundamentals	T
HIT 217	Medical Terminology I	3	AH 105 (elective)	Medical Terminology	T			
		51						
			ENGR 222	Computational Methods for Engineers and Techno	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 De	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			
<b>Total semester hrs completed w/ AAS degree:</b>		<b>66</b>	<b>Total semester hrs completed w/ BS degree:</b>		<b>82</b>			
			<b>Total hrs to BS Degree:</b>		<b>148</b>			

Degree plan updated by SW 6/21/2023