

PROGRAM ARTICULATION DEGREE PLAN					
John A Logan College	2024-2025		Southern Illinois University Carbondale		
AAS Biomedical Electronics Technology - 66 hrs			BS Technical Resource Management (TRM) - 120 hrs		
			(UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
ENG 101 -or- 113	English Composition I -or- Professional Technical Writing	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MAT 112 -or- 113	Intro Contemporary Math w/Integrated -or- Intro to Contemporary Math	3	MATH 101	Intro to Contemporary Math	T
	IAI Social & Behavioral Science	3	SOCIAL SCIENCE	See <i>SIUC Transfer Equivalency Guide</i>	T
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 121	Technical Physics	3	SC1 1XX	UCC Physical Science Sub 100-level	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		15			15
Program Requirements			Program Requirements		
ELT 102	Basic Electricity & Wiring	4	The AAS degree in Biomedical Electronics Technology meets the Career Electives requirement of 42 hours.		
ELT 170	Biomedical Instrumentation I	3			
ELT 200	Intro to Microprocessors	3			
ELT 215	IOT & Embedded Systems	3			
ELT 220	Special Projects in Electronics	3			
ELT 250	Biomedical Instrumentation II	3			
ELT 280	Biomedical Instrumentation III	3			
ORI 100	College 101	1			
ALH 217	Medical Terminology I	3	AH 105 (elective)	Medical Terminology	T
ELT 103	Applied DC/AC Circuits	4	EET 245 (elective)	Introductory Circuit Theory & Applications	T
ELT 111	Digital Electronics I	3	EET 238 (elective)	Digital System Fundamentals	T
ELT 112	Digital Electronics II	3	EET 238L (elective)	Digital System Fundamentals Lab	T
ELT 150	Applied Solid State Electronics	3	EET 150 (elective)	Intro to Electrical Engineering Technology	T
ELT 151	Applied Solid State Circuits	3	EET 245L (elective)	Introductory Circuit Theory & Applications Lab	T
ELT 210	Supporting Computer Operating Systems	3	ITEC 2XX (elective)	ITEC Elective 200-level	T
ELT 214	Fundamentals of Computing Hardware	3	ITEC 2XX (elective)	ITEC Elective 200-level	T
ELT 218	Intro to Network Technologies	3	ITEC 224 (elective)	Network Fundamentals	T
		51			
			TRM 316	Applications of Technical Writing	3
			TRM 364	Work Center Management	3
			TRM 383	Data Applications & Interpretation	3
			TRM 425	Operations Management	3
			TRM 464	Managing for Quality	3
			TRM 470	Project Management	3
			TRM Support Courses	Select 2 from: TRM 332, 361, 362, 363E, 421, 440	6
			Approved Electives	300/400 Level	15
			TRM 319, 320, 350, 358	As necessary to meet 42 senior institution hour requirement	3
					42
Total semester hrs completed w/AAS degree:		66	Total semester hrs completed w/BS degree:		
			Total hrs to BS degree:		
					123
Degree Plan created on 2/25/25 by SG					