

PROGRAM ARTICULATION DEGREE PLAN		Southern Illinois University Carbondale			
Lewis & Clark Community College 2022-2023		Electrical Engineering Technology (EET) - 120 hrs			
AAS Instrumentation and Control Systems - 60 hours		University Core Curriculum (UCC) Capstone Option - 30 hrs			
		Hrs	Hrs		
		UNIV 101	Saluki Success		
SPC 131 -or- SPC 145	Public Speaking -or- Public and Private Communication	3	CMST 101		
ENGL 131	First Year English	3	ENGL 101		
			ENGL 102		
MATH 134*	Pre-Calculus	5	MATH 111 (Required for BS degree)		
	IAI Social Science	3	SOCIAL SCIENCE		
			SOCIAL SCIENCE		
	IAI Humanities/Fine Arts	3	HUMANITIES		
			HUMANITIES		
PHYS 125	Applied Physics I	4	PHYS 203/253A (Required for BS degree)		
			LIFE SCIENCE, GRP II		
			FINE ARTS		
			BIOL 202		
			MULTICULTURAL		
		21	11		
Program Requirements		Program Requirements			
CIS 210*	Intro Java Programming	3	CS 202 (Required for BS degree)		
CIS 235*	C++ Programming Language	3	ECE 222 (Required for BS degree)		
INST 131	DC Fundamentals in Electricity	3	EET 150 (Required for BS degree)		
INST 132	AC Fundamentals in Electricity	3	EET 245 (Required for BS degree)		
PHYS 132*	Intro to Physics II	4	PHYS 203/253B (Required for BS degree)		
INST 133	Digital Electronics	6	The AAS degree in Instrumentation and Control Systems as articulated fulfills the 7 hrs of technical elective course requirements for the BS degree in Electrical Engineering Technology.		
INST 135	Motor Controls	3			
INST 231	PLC Programming	3			
INST 233	Instrumentation I	3			
INST 235	Instrumentation II	3			
INST 237	Final Control Elements	3			
INST 239	PID Control	3			
INST 271	Instrumentation Tech Internship	1-3			
		41-44			
*Recommended to fulfill SIUC BS degree requirements		MATH 150			Calculus I
		MATH 282	Statistics		
		MGMT 202	Business Communication		
		EET 238	Digital System Fundamentals		
		EET 304A	AC/DC Circuit Theory and Application		
		EET 304B	Network Theory and Application		
		EET 332A	DC Motors, Generators & Energy Conversion Devices		
		EET 332B	AC Electric Machines & Power Systems		
		EET 403A	Electronic Circuit Analysis		
		EET 403B	Electronics Application and Design		
		EET 437A	Telecommunication Systems Fundamentals		
		EET 437B	Data and Computer Communication		
		EET 438A	Automatic Control Systems Technology		
		EET 438B	Sequential Digital Control and Data Acquisition		
		EET 439	Microcontroller Application and Design		
		EET 495A	Electrical Engineering Technology Senior Design I		
		EET 495B	Electrical Engineering Technology Senior Design II		
			59		
Total semester hrs completed w/ AAS degree		62-64	Total semester hrs completed w/ BS degree		
			70		
			Total hours to BS degree:		
			132-134		
Degree plan created by SW 2/9/2022					