

PROGRAM ARTICULATION DEGREE PLAN						
Southwestern Illinois College	2024-2025		Southern Illinois University Carbondale			
AAS Industrial Electricity - 68 hrs			BS Electrical Engineering Technology (EET) - 120 hrs			
			University Core Curriculum (UCC) Capstone Option - 30 hrs			
		Hrs		Hrs		
COMM 151	Fundamentals of Public Speaking	3	UNIV 101	Saluki Success		
ENG 101	Rhetoric & Composition I	3	CMST 101	Intro to Oral Communication		
			ENGL 101	English Composition I		
			ENGL 102	English Composition II		
MATH 112	College Algebra	4	MATH 108	College Algebra		
	Social Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide		
			SOCIAL SCIENCE			
	Human Relations Course	3	HUMANITIES	See SIUC Transfer Equivalency Guide		
			HUMANITIES			
PHYS 151 (Industrial Electricity Elective)	College Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab		
			LIFE SCIENCE			
			FINE ARTS			
	Human Well-Being Course	2	HUMAN HEALTH	See SIUC Transfer Equivalency Guide		
			MULTICULTURAL			
		23		12		
Program Requirements			Program Requirements			
EET 101	Intro to Electricity & Electronics	5	The AAS degree in Industrial Electricity as articulated fulfills the technical electives required for the BS in Electrical Engineering Technology (EET).			
EET 121	Electronic Devices & Circuits	3				
EET 131	Electrical Wiring Principles	3				
IML 119	Mechanical Systems	3				
Industrial Electricity Elective		1				
EET 200	Digital Electronic Circuits	3			EET 238 (elective)	Digital System Fundamentals
EET 235	Programmable Logic Controllers	3			EET 2XX (elective)	EET Tech Elective 200-level
EET 239	Advanced PLCs	3			EET 2XX (elective)	EET Tech Elective 200-level
EET 240	Motors & Drives	3			EET 2XX (elective)	EET Tech Elective 200-level
EET 242	Electrical Control Systems I	4			EET 2XX (elective)	EET Tech Elective 200-level
EET 243	NEC for Industrial Commercial	3	EET 2XX (elective)	EET Tech Elective 200-level		
EET 244	Electrical Control Systems II	3	EET 2XX (elective)	EET Tech Elective 200-level		
EET 246	Power Generation/Distribution	3	EET 2XX (elective)	EET Tech Elective 200-level		
PHYS 152 (Industrial Electricity Elective)	College Physics II	5	PHYS 203B -and 253B	College Physics w/Lab		
		45				
			MATH 109	Trig & Analytic Geometry		
			MATH 150	Calculus I		
			MATH 282	Intro to Statistics		
			MGMT 202	Business Communications		
			Select 1 Course:			
			EET 150	Intro to Electrical Engineering Technology		
			EET 238	Digital System Fundamentals		
			EET 238L	Digital System Fundamentals Lab		
			EET 245	Intro Circuit Theory & Applications		
			EET 245L	Intro Circuit Theory & Applications Lab		
			EET 304A	AC/DC Circuit Theory & Application		
			EET 304AL	AC/DC Circuit Theory & Application Lab		
			EET 304B	Network Theory & Application		
			EET 304BL	Network Theory & Application Lab		
			EET 332A	DC Motors, Generators & Energy Conversion Devices		
			EET 332AL	DC Motors, Generators & Energy Conversion Devices Lab		
			EET 332B	AC Electric Machines & Power Systems		
			EET 332BL	AC Electric Machines & Power Systems Lab		
			EET 403A	Electronic Circuit Analysis		
			EET 403AL	Electronic Circuit Analysis Lab		
			EET 437A	Telecommunication Systems Fundamentals		
			EET 437AL	Telecommunication Systems Fundamentals Lab		
			EET 437B	Data & Computer Communication		
			EET 437BL	Data & Computer Communication Lab		
			EET 438B	Sequential Digital Control & Data Acquisition		
			EET 438BL	Sequential Digital Control & Data Acquisition Lab		
			EET 439	Microcontroller Application & Design		
			EET 439L	Microcontroller Application & Design Lab		
			EET 440	Embedded Systems Design		
			EET 440L	Embedded Systems Design Lab		
			EET 495A	Electrical Engineering Technology Senior Design I		
			EET 495B	Electrical Engineering Technology Senior Design II		
				67		
Total semester hrs completed w/AAS degree:		68	Total semester hrs completed w/BS degree:	79		
			Total hours to BS degree:	147		
Degree Plan updated on 8/16/24 by SG						