

PROGRAM ARTICULATION DEGREE PLAN								
Parkland College	2024-2025		Southern Illinois University Carbondale					
AAS Electronic Control Systems Technology - 61 hrs			BS Electrical Engineering Technology (EET) - 120 hrs					
			University Core Curriculum (UCC) Capstone Option - 30 hrs					
		Hrs			Hrs			
			UNIV 101	Saluki Success	NA			
COM 103	Intro to Public Speaking	3	CMST 101	Intro to Oral Communication	T			
ENG 101	Composition I	3	ENGL 101	English Composition I	T			
			ENGL 102	English Composition II	NA			
			MATH 111	Precalculus	4			
	IAI Social Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T			
			SOCIAL SCIENCE		3			
			HUMANITIES		3			
			HUMANITIES		NA			
			PHYS 203A -and- 253A	College Physics w/Lab	4			
			LIFE SCIENCE		3			
			FINE ARTS		3			
			HUMAN HEALTH		NA			
			MULTICULTURAL		3			
		9			23			
Program Requirements			Program Requirements					
CTC 132	Computer Basics	1	The AAS degree in Electronic Control Systems Technology as articulated fulfills the 7 hours of technical electives required for the BS degree in Electrical Engineering Technology (EET).					
CTC 193	Windows	1						
ELT 131	Residential Wiring	3						
ELT 155	Digital Control Systems	3						
ELT 193	Electronic Systems Repair	3						
ELT 295	Automation & Motion Control	3						
EST 113	Work Experience & Ethics	1						
MAT 131	Applied Mathematics	3						
MFT 113	Intro to Hydraulics & Pneumatics	3						
MFT 117	Pumps, Compressors & Vacuum Systems	3						
ELT 134	Motors, Controls & Drives	3				AUT 1XX (elective)	AUT Major Elective 100-level	T
ELT 150	Intro to Electricity & Electronics	3				EET 150	Intro to Electrical Engineering Technology	T
ELT 171 -and- 179	Analog Control Systems & Industrial Control Devices	6				EET 245 -and- 245L	Intro Circuit Theory & Applications w/Lab	T
ELT 231	Programmable Controllers	3				EET 2XX (elective)	EET Tech Elective 200-level	T
ELT 292	Process Control	3	EET 2XX (elective)	EET Tech Elective 200-level	T			
ELT 293	Industrial Control Networks	3	EET 2XX (elective)	EET Tech Elective 200-level	T			
ELT 299	Robotics & Automation	3	EET 2XX (elective)	EET Tech Elective 200-level	T			
MAT 160 (elective)	Statistics	4	MATH 282	Intro to Statistics	T			
		52						
			MATH 150	Calculus I	4			
			MGMT 202	Business Communications	3			
			PHYS 203B -and- 253B	College Physics w/Lab	4			
			Select 1 Course:	ECE 222 -or- ENGR 222	2			
			EET 238	Digital System Fundamentals	3			
			EET 238L	Digital System Fundamentals Lab	1			
			EET 304A	AC/DC Circuit Theory & Application	3			
			EET 304AL	AC/DC Circuit Theory & Application Lab	1			
			EET 304B	Network Theory & Application	3			
			EET 304BL	Network Theory & Application Lab	1			
			EET 332A	DC Motors, Generators & Energy Conversion Devices	3			
			EET 332AL	DC Motors, Generators & Energy Conversion Devices Lab	1			
			EET 332B	AC Electric Machines & Power Systems	3			
			EET 332BL	AC Electric Machines & Power Systems Lab	1			
			EET 403A	Electronic Circuit Analysis	3			
			EET 403AL	Electronic Circuit Analysis Lab	1			
			EET 403B	Electronics Application & Design	4			
			EET 437A	Telecommunication Systems Fundamentals	3			
			EET 437AL	Telecommunication Systems Fundamentals Lab	1			
			EET 437B	Data & Computer Communication	3			
			EET 437BL	Data & Computer Communication Lab	1			
			EET 438A	Automatic Control Systems Technology	3			
			EET 438AL	Automatic Control Systems Technology Lab	1			
			EET 438B	Sequential Digital Control & Data Acquisition	3			
			EET 438BL	Sequential Digital Control & Data Acquisition Lab	1			
			EET 439	Microcontroller Application & Design	3			
			EET 439L	Microcontroller Application & Design Lab	1			
			EET 440	Embedded Systems Design	3			
			EET 440L	Embedded Systems Design Lab	1			
			EET 495A	Electrical Engineering Technology Senior Design I	1			
			EET 495B	Electrical Engineering Technology Senior Design II	1			
					67			
Total semester hrs completed w/AAS degree:		61	Total semester hrs completed w/BS degree:		90			
			Total hours to BS Degree:		151			
Degree Plan updated on on 7/5/24 by SG								