

PROGRAM ARTICULATION DEGREE PLAN					
Lake Land College	2024-2025	Southern Illinois University Carbondale			
AAS Electronics Engineering Technology - 60 hrs		BS Electrical Engineering Technology (EET) - 120 hrs			
		University Core Curriculum (UCC) Capstone Option - 30 hrs*			
		Hrs			Hrs
COM 111	Intro to Speech Communication	3	UNIV 101	Saluki Success	NA
ENG 119 -or- 120	Composition I	3	CMST 101	Intro to Oral Communication	T
			ENGL 101	English Composition I	T
			ENGL 102		NA
MAT 129 -or- 130	College Algebra Pathway -or- College Algebra	4	MATH 106 -or- 108	College Algebra Enhanced -or- College Algebra	T
	IAI Social Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 130	College Physics I	4	PHYS 203A -and- 253A	College Physics w/Lab	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		17			15
Program Requirements		Program Requirements			
APT 050	Electrical Principles/Practice	4	The AAS degree in Electronics Engineering Technology as articulated fulfills the 7 hours of technical electives required for the BS degree in Electrical Engineering Technology (EET).		
APT 051	Solid State Devices & Applications	4			
EET 056	Electronic Circuit Design/Fabrication	3			
EET 057	Computer Systems	3			
EET 066	Network Pro	4			
EET 072	Relays & Control Circuits	2			
EET 076	Digital Logic	3			
EET 081	Physical Computing w/Rasp Pi	3			
EET 085	STEM Projects	2			
EET 086	Prog Logic Controllers I	2			
ITT 070	Python	3			
Transfer Elective		1			
CAD 056	CAD I	2	ME 102 (elective)	Computer-Aided Engineering Drawing	T
MAT 132	Trigonometry	3	MATH 109 (Required for BS degree)	Trigonometry & Analytic Geometry	T
PHY 131	College Physics II	4	PHYS 203B -and- 253B	College Physics w/Lab	T
		43			
			MATH 150	Calculus I	4
			MATH 262	Intro to Statistics	3
			MGMT 202	Business Communications	3
			Select 1 Course:	ECE 222 -or- ENGR 222	2
			EET 150	Intro to Electrical Engineering Technology	2
			EET 238	Digital System Fundamentals	3
			EET 238L	Digital System Fundamentals Lab	1
			EET 245	Intro Circuit Theory & Applications	3
			EET 245L	Intro Circuit Theory & Applications 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
					72
Total semester hrs completed w/AAS degree:		60	Total semester hrs completed w/BS degree:		87
			Total semester hrs to BS degree:		147
Degree Plan updated on 7/9/24 by SG					