

PROGRAM ARTICULATION DEGREE PLAN					
Harper 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
			UNIV 101	Saluki Success	NA
			CMST 101	Intro to Oral Communication	3
ENG 101	Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MTH 103	College Algebra	3	MATH 108	College Algebra	T
			SOCIAL SCIENCE		3
			SOCIAL SCIENCE		3
	IAI Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		NA
PHY 121	Introductory Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		14			18
Program Requirements		Program Requirements			
CIS 106 -or- NET 105	Computer Logic & Programming Tech -or- Info Tech Fundamentals	3	<p style="text-align: center;">The AAS degree in Electronics Engineering Technology as articulated fulfills the technical electives required for the BS in Electrical Engineering Technology (EET).</p>		
ELT 101	DC Network Analysis	4			
ELT 102	AC Network Analysis	4			
ELT 110	Introductory Electronics	4			
ELT 111	Semiconductor Devices & Circuits	2			
ELT 135	Optics & Sensors	2			
ELT 140	Intro to Programmable Logic Controllers	2			
ELT 203	Digital Electronics	4			
ELT 207	Communications Systems	4			
ELT 215	Industrial Control Systems	4			
ELT 218	Embedded Microcontroller/Processor Systems	4			
Electronics Elective	Select from list of approved courses	4			
MTH 140	Precalculus	5			
		46			
			MATH 150	Calculus I	4
			MATH 282	Intro to Statistics	3
			MGMT 202	Business Communications	3
			PHYS 203B -and- 253B	College Physics w/Lab	4
			Select 1 Course:	CS 202 -or- 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 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 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
					68
Total semester hrs completed w/AAS degree:		60	Total semester hrs completed w/BS degree:		86
			Total semester hours to BS degree:		146