

PROGRAM ARTICULATION DEGREE PLAN					
Danville Area Community College		2020-2021		Southern Illinois University Carbondale	
AAS Electronic Technology - 67 hrs				BS Electrical Engineering Technology (EET) - 120 hrs	
				University Core Curriculum (UCC) Capstone Option - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
SPCH 101	Oral Communication	3	CMST 101	Intro to Oral Communication	T
ENGL 101	Rhetoric & Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			MATH 111	Precalculus	4
	Social Science Elective	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
			SOCIAL SCIENCE		3
	Humanities Elective	3	HUMANITIES	(See SIUC Equivalency Guide)	T
			HUMANITIES		NA
			PHYS 203A -and- 253A	College Physics/Lab	4
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		12			20
Program Requirements			Program Requirements		
ELEC 250	Mechatronics IV	4	The AAS in Electronic Technology as articulated fulfills the 10 hours of technical electives required for the BS in Electrical Engineering Technology.		
INFO 245	Employment Seminar	1			
MATT 133	Technical Math I	4			
ELEC 160	Intro to Electricity-Electronics	5	EET 150 -and- GENL 1XX	Intro to Electrical Engineering Tech	T
ELEC 165	Intro to AC Circuits	3	EET 150	Intro to Electrical Engineering Tech	T
ELEC 167	Electronic Circuits I	4	EET 1XX	EET Tech Elective	T
ELEC 168	Mechatronics II	4	EET 1XX	EET Tech Elective	T
ELEC 175	PC Applications in Electronics	2	EET 1XX	EET Tech Elective	T
ELEC 220	Opto-Electronics	4	EET 2XX	EET Tech Elective	T
ELEC 269	Mechatronics III	3	EET 2XX	EET Tech Elective	T
ELEC 273	Digital Electronics	4	EET 238	Digital System Fundamentals	T
ELEC 274	Digital Electronics II	4	EET 439	Microcontroller Application & Design	T
ELEC 275	Industrial Automation	5	EET 2XX	EET Tech Elective	T
ELEC 276	Advanced Automation Techniques	5	EET 2XX	EET Tech Elective	T
ELEC 277	Siemens Programmable Controllers	3	EET 2XX	EET Tech Elective	T
		55			
			MATH 150	Calculus I	4
			MATH 282	Intro to Statistics	3
			CS 202	Intro to Computer Science	4
			MGMT 202	Business Communications	3
			ENGR 222	Computational Methods for Engineers & Technologists	2
			ECE 222	Intro to Digital Computation	3
			PHYS 203B -and- 253B	College Physics/Lab	4
			EET 245	Intro Circuit Theory & Applications	4
			EET 304A	AC/DC Circuit Theory & Application	4
			EET 304B	Network Theory and Application	4
			EET 332A	DC Motors, Generators & Energy Conversion Devices	4
			EET 332B	AC Electric Machines & Power Systems	4
			EET 403A	Electronic Circuit Analysis	4
			EET 403B	Electronics Application and Design	4
			EET 437A	Telecommunication Systems Fundamentals	4
			EET 437B	Data and Computer Communication	4
			EET 438A	Automatic Control Systems Technology	4
			EET 438B	Sequential Digital Control and Data Acquisition	4
			EET 495A	Electrical Engineering Technology Senior Design I	1
			EET 495B	Electrical Engineering Technology Senior Design II	1
					69
Total semester hrs completed w/AAS degree:		67	Total semester hrs completed w/BS degree:		89
Degree Plan updated on 10/7/2020 by SG			Total hours to BS degree:		156