PROGRAM ARTICULATION DEGREE PLAN						
College of Dupage	**2021-2022**			**Southern Illinois University Carbondale**		
AAS Electronics Engineering Technology - 68 hrs				BS Electrical Engineering Technology - 120 hrs		
				University Core Curriculum (UCC) Capstone Option - 30 hrs		
			Hrs			**Hrs**
				UNIV 101	Saluki Success	NA
ENGLI 1101	English Composition I		3	ENGL 101	English Composition I	T
				ENGL 102	English Composition II	NA
SPEECH 1100	Fundamentals of Speech Communication		3	CMST 101	Intro to Oral Communication	T
MATH 1431	Precalculus I		5	MATH 108 (Fulfills BS degree requirements)	College Algebra	T
	IAI SOCIAL/BEHAVIORAL SCIENCE		3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
				SOCIAL SCIENCE		3
	IAI HUMANITIES/FINE ARTS		3	HUMANITIES	(See SIUC Equivalency Guide)	T
				HUMANITIES		NA
PHYSI 1201	General Physics I		5	PHYS 203/253A (Required for BS degree)	College Physics/Lab	T
				LIFE SCIENCE, GRP II	BS degree requires 2 PHYSICS courses	NA
				FINE ARTS		3
				HUMAN HEALTH		NA
				MULTICULTURAL		3
			22			**9**
Program Requirements				**Program Requirements**		
ELECT 1120	Electronic Documentation & Fabrication		2	The AAS in Electronics Engineering Technology as articulated fulfills the 7 hours of technical electives required for the BS in Electrical Engineering Technology.		
ELMEC 1106	Power Electricity and Rotating Machines		4			
ELECT 1151	Electronic Devices and Applications		4			
Program Electives	Choose from ELECT or ELMEC courses		14			
ELECT 1100	Electricity and Electronics Fundamentals		3	EET 150 (Required for the BS degree)	Intro to Electrical Engineering Technology	T
ELECT 1101	Circuits I		3	EET 245 (Required for BS degree)	Introductory Circuit Theory and Applications	T
ELECT 1102	Circuits II		4	EET 304A (Required for the BS degree)	AC/DC Circuit Theory and Application	T
ELECT 1141	Digital Fundamentals		3	EET 238 (Required for the BS degree)	Digital System Fundamentals	T
ELECT 1161	Modern Communications		3	EET 1XX (Required for BS degree)	EET Technical Elective 100-level	T
ELECT 2273	Embedded Systems & Microcontroller Program		3	EET 439 (Required for BS degree)	Microcontroller Application and Design	T
ELMEC 2510	Process Automation Controls		3	EET 2XX (Required for BS degree)	EET Technical Elective 200-level	T
			46	MATH 109	Trigonometry and Analytic Geometry	3
				MATH 150	Calculus I	4
				MATH 282	Introduction to Statistics	3
				MGMT 202	Business Communications	3
				ENGR 222 -or- ECE 222	Computational Methods for Engineers & Technologists	2
				PHYS 203/253B	College Physics/Lab	4
				EET 304B	AC Network Theory & Appl	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
						57
Total semester hrs completed w/ AAS degree:			**68**	**Total semester hrs completed w/ BS degree:**		**66**
Degree Plan updated on 12/8/2021 by SW				**Total hours to BS degree:**		**134**