PROGRAM ARTICULATION DEGREE PLAN					
Delaware Technical Community College	***2020-2021***		***Southern Illinois University Carbondale***		
AAS Electronics Engineering Technology Transfer Option - 68 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	Critical Thinking & Academic Writing	3	ENGL 101	English Composition I	T
ENG 102	Composition & Research	3	ENGL 102	English Composition II	T
			MATH 111 (Required for BS degree)	Precalculus - (Requirement fulfilled by CALC I and II)	NA
	Social Science	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
	Social Science	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
			HUMANITIES		3
			HUMANITIES		NA
PHY 205	General Physics I	4	PHYS 203A, 253A (Required for BS degree)	College Physics w/Lab	T
			LIFE SCIENCE, GRP II	BS degree requires 2 PHYS courses	NA
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		16			**12**
Program Requirements			**Program Requirements**		
CEN 100	Intro to Electrical & Computer Engineering Tech	3	**The AAS in Electronics Engineering Technology Transfer Option as articulated fulfills the technical elective requirements for the BS in Electrical Engineering Technology (EET).**		
ELC 126	Analog Electronics I	3			
ELC 226	Analog Electronics II	3			
ELC 227	Microcontroller Fundamentals	3			
ELC 228	Microcontroller Applications	4			
ELC 236	Analog Electronics III	3			
ELC 243	Programmable Logic Controllers	4			
SSC 100	First Year Seminar	1			
CEN 180	C/C++ Language Intro	4	ENGR 222 (Required for BS degree)	Computational Methods for Engineers & Technologists	T
ELC 125	Electrical Circuits	4	EET 245 (Required for BS degree)	Intro Circuit Theory & Applications	T
ELC 127	Digital Electronics	4	EET 238 (Required for BS degree)	Digital System Fundamentals	T
ELC 225	Electrical Circuits II	4	EET 304A (Required for BS degree)	AC/DC Circuit Theory & Application	T
MAT 281	Calculus I	4	MATH 150 (Required for BS degree)	Calculus I	T
MAT 282	Calculus II	4	MATH 250 (Fulfills BS degree requirement)	Calculus II	T
PHY 206	General Physics II	4	PHYS 203B, 253B (Required for BS degree)	College Physics w/Lab	T
		52			
			MATH 282	Intro to Statistics	3
			MGMT 202	Business Communications	3
			EET 150	Intro to Electrical Engineering Technology	2
			EET 304B	AC Network Theory and Application	4
			EET 332A	DC Motors, Generators and Energy Conversion Devices	4
			EET 332B	AC Electric Machines and 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 439	Microcontroller Application and Design	4
			EET 495A	Senior Design I	1
			EET 495B	Senior Design II	1
					50
Total semester hrs completed w/AAS degree:		**68**	**Total semester hrs completed w/BS degree:**		**62**
Degree Plan updated on 8/5/2021 by SG			**Total hours to BS degree:**		**130**