

PROGRAM ARTICULATION DEGREE PLAN					
Shawnee Community College	2022-2023		Southern Illinois University Carbondale		
Associate of Science - 64 hrs			BS Electrical Engineering (EE) - 126 hrs		
			University Core Curriculum (UCC)*		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
ENG 111	English Composition I	3	ENGL 101	English Composition I	T
ENG 112	English Composition II	3	ENGL 102	English Composition II	T
SPC 111	Speech	3	CMST 101	Intro to Oral Communication	T
MAT 209	Calculus I	5	MATH 150 (Required for BS degree)	Calculus I	T
SOCIAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
SOCIAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
HUMANITIES	(See SIUC Equivalency Guide)	3	HUMANITIES	(See SIUC Equivalency Guide)	T
			HUMANITIES		NA
CHE 114	Inorganic Chemistry I w/lab	5	CHEM 200/201 (Fulfills BS degree requirement)	Intro to Chemical Principles/Lab	T
			LIFE SCIENCE, GRP II	(Students take 2 Physics courses)	NA
FINE ARTS	(See SIUC Equivalency Guide)	3	FINE ARTS		T
BIOL 115	Human Biology	4	BIOL 202 (Required for BS degree)	Human Genetics and Human Health	T
			MULTICULTURAL	(See SIUC Equivalency Guide)	NA
		35			0
			*An AS degree from an accredited Illinois institution satisfies UCC requirements		
Program Requirements			Program Requirements		
MAT 211	Calculus II	5	MATH 250	Calculus II	T
MAT 212	Calculus III	5	MATH 251	Calculus III	T
MAT 213	Ordinary Differential Equations I	3	MATH 305	Intro to Differential Equations	T
PHY 216	University Physics I	4	PHYS 205/255A	University Physics/Lab	T
PHY 217	University Physics II	4	PHYS 205/255B	University Physics/Lab	T
Electives	Choose from transfer courses	8	Any course not articulated will be used to satisfy general elective credit		
		29			
			ECE 222	Introduction to Digital Computation	3
			ECE 235/235L	Electric Circuits/Lab	4
			ECE 296/L	Intro Software Tools Robotics	4
			ECE 315	Math Methods ECE	4
			ECE 327/L	Digital Circuit Design w/HDL/Lab	4
			ECE 336	Electric Circuits II	3
			ECE 345/345L	Electronics/Lab	4
			ECE 355/355L	Signals and Systems	4
			ECE 375/375L	Intro Electromagnetic Fields/Lab	4
			ECE 495E	EE Senior Design I	3
			ECE 495D	ECE Senior Design II	3
			ECE Technical Electives	At least 10 ECE hours not from ECE 412-434. Approved by the School: ECE 3XX or ECE 4XX level (except ECE 493); CHEM 210; MATH 221, 282, 302, 349, 380, or 4XX level (except MATH 411, 412); CS 3XX or 4XX level (except CS 300, 393, or 493); ENGR 2XX, 3XX, 4XX level (except CS 300, 393, or 493); ENGR 2XX, 3XX, 4XX (except ENGR 222, 296, 335), ENGR3XXi; BME 485; IMAE470A	24
					64
Total semester hrs completed w/ AS degree		64	Total semester hrs completed with BS degree:		70
			Total semester hrs to BS degree:		134