PROGRAM ARTICULATION	N DEGREE PLAN			\top	
Southwestern Illinois College 2024-2025			Southern Illinois University Carbondale	+	+
	cience Computer Engineering Specialty - 61 hrs	4	BS Computer Engineering (ČEGR) - 126 hrs		447
			University Core Curriculum (UCC) Capstone Option	4on - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
COMM 151	Fundamentals of Public Speaking	3		Intro to Oral Communication	Т
ENG 101	Rhetoric & Composition I	3		English Composition I	Ť
ENG 102	Rhetoric & Composition II	3		English Composition II	NA
MATH 203	Calculus I			Calculus I	T
146	Social & Behavioral Sciences	3		See SIUC Transfer Equivalency Guide	Ť
	Social & Behavioral Sciences	3		See SIUC Transfer Equivalency Guide	Ť
	Humanities			See SIUC Transfer Equivalency Guide	Ť
	Harrando		HUMANITIES	Occ 0100 Transion Equitations, 1551	NA
CHEM 105	General Chemistry I	5	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab	
OTILINI 100	Control Chamber,		LIFE SCIENCE	THE CONTROL THE PLANTS OF THE	3
			FINE ARTS		3
HES 151	Personal Health & Wellness	2	PH 101	Foundations of Human Health	T
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		30			9
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Program Requirements			Program Requirements		+
	Electrical Circuits			Electric Circuits I	+-
ENGR 271					T
MATH 204	Calculus II			Calculus II	T
MATH 205	Calculus III			Calculus III	T
MATH 290	Differential Equations	3		Intro to Differential Equations	T
PHYS 204	Physics Mechanics			University Physics w/Lab	T
PHYS 205	Physics Heat Electricity Magnetism	4		University Physics w/Lab	T
MATH 171	Computer Science I - Java		00 00 000	Intro to Computer Science	T
MATH 271	Computer Science II - Java	4		Programming with Data Structures.	Т
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			BIOL 202	Human Genetics & Human Health	2
			ECE 235 -and- 235L	Electric Circuits I w/Lab	4
.			ECE 296 -and- 296L	Intro to Microcontrollers & Robotics w/Lab	4
			ECE 315	Mathematical Methods in ECE	4
ı İ			ECE 321 -and- 321L	Intro to Software Engineering w/Lab	4
ı 			ECE 327 -and- 327L	Digital Circuit Design with HDL w/Lab	4
ı 			ECE 329 -and- 329L	Computer Organization & Design w/Lab	4
			ECE 345 -and- 345L	Electronics w/Lab	4
,			ECE 345 -and- 345L ECE 355 -and- 355L	Electronics w/Lab Signals & Systems w/Lab	4
ı 					4
,			ECE 495C	CEGR Senior Design I	3
			ECE 495D	ECE Senior Design II	3
ı İ				23 hours of ECE electives. At least 20 hours from: ECE 412, 422,	
ı İ			Technical Electives	423, 424, 425, 426, 427, 428, 429, 430, 431, 432. 3 hours can be	23
				approved CS courses	
					63
Total semester hrs comple	eted w/AES degree:	61	Total semester hrs completed w/BS degree:		72
				<u></u> ,	<u> </u>
			Total hrs to BS Degree:	+	133
ı 			Total in a to be begins.	-	+
Degree Plan updated on 6/24)A/OA by SC		*ECE 222 is aguivalent to CS 220 although the progr	rmming language is different. We prefer C over Java, but the students	+
Degree Flair apadica 5.7.6,2	1/24 Dy 3G		don't have to take both ECE 222 & CS 220.	illing language is unfortent. The profes of other bara, sat and states	
			don't have to take both LOL 222 & CO 220.	 '	+
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