	_ATION DEGREE PLAN				
John A. Logan Colle	ege 2024-2025		Southern Illinois University Carb	ondale	
Associate in Engineer	ring Science in Computer Engineering - 68 hrs	'	BS Computer Engineering (CEGR)		1
Š			University Core Curriculum (UCC	C) Capstone Option - 30 hrs	
		Hrs	`	<u> </u>	Hrs
			UNIV 101	Saluki Success	NA
			CMST 101	Intro to Oral Communication	3
ENG 101	English Composition I	3	ENGL 101	English Composition I	l Ť
ENG 102	English Composition II	3	ENGL 102	English Composition II	Ť
MAT 131	Calculus I		MATH 150	Calculus I	Ť
	Calculus I		SOCIAL SCIENCE	Odiodios	3
	IAI Social Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	l T
	IAI Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
	IATTIUMAMILES		HUMANITIES	Gee GIOC Transier Equivalency Guide	NA
CUM 151	Chemical Principles	5	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab	T
CHM 151	•	3	LIFE SCIENCE	See SIUC Transfer Equivalency Guide	T
	IAI Life Science				T
	IAI Fine Arts	3	FINE ARTS	See SIUC Transfer Equivalency Guide	
BIO 225	Genetics	3	BIOL 202	Human Genetics & Human Health	T
			MULTICULTURAL		3 9
		31			9
Program Requirements			Program Requirements Program Requirements		
ORI 100 -or- SCI 100		1		n College fulfills the general electives required for the BS in Computer Engineering	ng
CPS 206	Computer Science I	4	ECE 222	Intro to Digital Computation	Т
CPS 215	Computer Science II	4	CS 220 (elective)	Programming w/Data Structures	Т
EGR 101	Engineering Graphics	3	ME 102 (elective)	Computer-Aided Engineering Drawing	Т
MAT 201	Calculus II	5	MATH 250	Calculus II	Т
MAT 202	Calculus III	3	MATH 251	Calculus III	Т
MAT 205	Differential Equations	3	MATH 305	Intro to Differential Equations	Т
PHY 205	University Physics I	5	PHYS 205A -and- 255A	University Physics w/Lab	Т
PHY 206	University Physics II	5	PHYS 205B -and- 255B	University Physics w/Lab	Т
PHY 224	Intro to Circuit Analysis w/Lab	4	ECE 235 -and- 235L	Electric Circuits I w/Lab	T
	into to onoute, maryone to East	37	202 200 4.14 2002	Ziodilo Gilodilo I II/Zdo	<u> </u>
			ECE 296 -and- 296L	Intro to Microcontrollers & Robotics w/Lab	4
			ECE 315	Mathematical Methods in ECE	4
			ECE 321 -and- 321L	Intro to Software Engineering w/Lab	4
			ECE 327 -and- 327L	Digital Circuit Design with HDL w/Lab	4
			ECE 329 -and- 329L	Computer Organization & Design w/Lab	4
			ECE 345 -and- 345L	Electronics w/Lab	4
			ECE 355 -and- 355L	Signals & Systems w/Lab	4
			ECE 495C	CEGR Senior Design I	3
		+	ECE 495C ECE 495D	ECE Senior Design II	3
			EGE 490D		3
			Table in Election	23 hours of ECE electives. At least 20 hours from: ECE 412, 422, 423, 424,	-
			Technical Electives	425, 426, 427, 428, 429, 430, 431, 432. 3 hours can be approved CS	23
			1	courses	
					57
Total semester hrs completed w/AES degree:		68	Total semester hrs completed w/BS degree:		66
			Total hrs to BS Degree:		134
Degree Plan updated	I on 7/31/24 by SG				