PROGRAM ARTICULATION Southeastern Illinois Coll			Southern Illinois University Carbondale		
Associate in Engineering S	Science (AES) - 71 hrs (62 minimum)		BS Computer Engineering (CEGR) - 126 hrs	d'an an a	
			University Core Curriculum (UCC) Capstone Op	otion - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
COM 121	Principles of Speaking	3	CMST 101	Intro to Oral Communication	Т
ENG 121	Rhetoric & Composition I	3	ENGL 101	English Composition I	T
ENG 122	Rhetoric & Composition II	3	ENGL 102	English Composition II	Т
MATH 162	Calculus & Analytical Geometry I	5	MATH 150 (Required for BS degree)	Calculus I	Т
SOCIAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	Т
	(SOCIAL SCIENCE		3
HUMANITIES	(See SIUC Equivalency Guide)	3	HUMANITIES	(See SIUC Equivalency Guide)	T
TOWANTIES	(GGG GIGG Equivalency Galacy		HUMANITIES	(300 5100 Equivalency Guido)	NA
PHYS 221	General Physics I	5	PHYS 205/255A (Required for BS degree)	University Physics/Lab	T
	General Physics I	3	BIOL 202 (Required for BS degree)*	Human Genetics and Human Health	2
	(C 0110 Fil 0i-l-)				
FINE ARTS	(See SIUC Equivalency Guide)	3	FINE ARTS	(See SIUC Equivalency Guide)	T
	DI LA CONTRA		HUMAN HEALTH		NA
HIST 161* (Area 1)	Black American History	3	AFR 215	Blk Am Exp-Pluralistic Soc	T_
		31			5
*Social & Behavioral Cours	ses 1 course must be from Area 1		*BIOL 202 or approved Life Science course require	ed to fulfill BS degree requirements	
Program Requirements			Program Requirements		
CHEM 121	General Chemistry I	5	CHEM 200/201/202 (Required for BS degree)	Intro to Chemical Principles/Lab/Workshop	Т
CHEM 122	General Chemistry and Qualitative Analysis II	5	CHEM 210/211/212	General & Inorganic Chemistry/Lab/Workshop	Ť
GRAP 121	Engineering Graphics I	3	ME 102	Computer-Aided Engineering Graphics	Ť
MATH 165	Scientific Programming	3	ECE 222 (Required for BS degree)	Computational Methods for Engineers & Technologists	Ť
MATH 221	Calculus & Analytical Geometry II	5	MATH 250 (Required for BS degree)	Calculus II	T
	Calculus & Analytical Geometry III		MATH 250 (Required for BS degree)		T
MATH 222		5		Calculus III	
MATH 225	Differential Equations	3	MATH 305 (Required for BS degree)	Intro to Ordinary Differential Equations I	I
PHYS 222	General Physics II	5	PHYS 205/255B (Required for BS degree)	University Physics/Lab	T
PHYS 241	Statics	3	ENGR 250	Statics	Т
PHYS 242	Dynamics	3	ENGR 261	Dynamics	Т
		40			
			ECE 235/235L	Electric Circuits I/Lab	4
			ECE 296/296L	Software Tools for Robotics/Lab	4
			ECE 315	Math Methods in ECE	4
			ECE 321/321L	Intro Software Engineering/Lab	4
			ECE 327/327L	Digital Circuit Design with HDL/Lab	4
			ECE 329/329L	Computer Organization & Design/Lab	4
			ECE 345/345L	Electronics/Lab	4
					4
			ECE 355/355L	Signals & Systems/Lab	•
			ECE 495C	ECE Senior Design I	3
			ECE 495D	ECE Senior Design II	3
			ECE Technical Electives	Approved ECE technical electives: ECE 3XX or 4XX level (except ECE 392, 492 & 493).	23
			General Technical Electives	Approved General technical electives: ECE 3XX or 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, 301, 393, or 493); ENGR 2XX, 3XX, 4XX (except ENGR 222, 296, 335), ENGR3XXi (if not already counted toward the student's core requirement); BME 485; IMAE470A.	6
					67
Total semester hrs completed with AES degree:		71	Total semester hrs completed with BS degree:		72
	, <u>,</u> <u>g</u>				
			Total to BS degree:		143