PROGRAM ARTICULATION DEGREE PLAN						
John A. Logan College	*2022-2023*			*Southern Illinois University Carbondale*		
Associate in Engineering Science - Computer Engineering - 64-66 hrs				BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
				University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs				**Hrs**
				UNIV 101	Saluki Success	NA
ENG 101	English Composition I	3		ENGL 101	English Composition I	T
ENG 102	English Composition II	3		ENGL 102	English Composition II	T
COM 115	Speech	3		CMST 101	Intro:Oral Communication	T
MAT 131	Calculus I	5		MATH 150 (Satisfies BS degree requirements)	Calculus I	T
ECO 202	Intro to Microeconomics	3		ECON 240	Intro to Microeconomics	T
	IAI SOCIAL SCIENCE	3		SOCIAL SCIENCE	*See SIUC Equivalency Guide*	T
	IAI HUMANITIES/FINE ARTS	3		HUMANITIES	*See SIUC Equivalency Guide*	T
				HUMANITIES		NA
PHY 205	University Physics I	5		PHYS 205A/255A (Required for BS degree)	University Physics/Lab	T
PHY 206	University Physics II	5		PHYS 205B/255B (Required for BS degree)	University Physics/Lab	T
				FINE ARTS	*See SIUC Equivalency Guide*	T
				HUMAN HEALTH	Human Genetics and Human Health	NA
				MULTICULTURAL		3
		33				3
Program Requirements				**Program Requirements**		
ORI 100	College 101	1		**Any course not articulated will be used to satisfy general electives**		
CHM 151	Chemical Principles	5		CHEM 200/201/202 (elective)	Intro to Chemical Principles/Lab/Workshop	T
CPS 206	Computer Science I	4		ECE 222 (elective)	Introduction to Digital Computation	T
CPS 215	Computer Science II	4		CS 220 (elective)	Programming w/Data Structures	T
EGR 101	Engineering Graphics	3		ME 102 (elective)	Computer-Aided Drawing	T
MAT 201	Calculus II	5		MATH 250 (Satisfies BS degree requirements)	Calculus II	T
MAT 202	Calculus III	3		MATH 251 (elective)	Calculus III	T
MAT 205	Differential Equations	3		MATH 305 (elective)	Introduction to Ordinary Differential Equations I	T
PHY 224	Intro to Circuit Analysis w/Lab	4		ECE 235/235L (elective)	Electric Circuits I/Lab	T
		32				
				IMAE 110	Geometric Dimensioning and Tolerancing	3
				IMAE 208	Manufacturing Processes	3
				IMAE 305	Industrial Safety	3
				IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psychology	3
				IMAE 375	Production & Inventory Management	3
				IMAE 390	Cost Estimating	3
				IMAE 392	Facilities Planning & Workplace Design	3
				IMAE 442	Fundamentals of Leadership	3
				IMAE 445	Computer-Aided Manufacturing	3
				IMAE 450	Project Management	3
				IMAE 465	Lean Manufacturing	3
				IMAE 470A	Six Sigma Green Belt I	3
				IMAE 470B	Six Sigma Green Belt II	3
				IMAE 476	Supply Chain Management	3
				IMAE Electives	(Must be at 300/400 level)	6
				General Electives		4
						52
Total semester hrs completed w/ AES degree:		65		**Total semester hrs completed w/ BS degree:**		55
				Total hrs to BS Degree:		120