

PROGRAM ARTICULATION DEGREE PLAN					
<b>John A. Logan College</b>	<b>2022-2023</b>		<b>Southern Illinois University Carbondale</b>		
Associate in Engineering Science - Electrical Engineering - 66-67 hrs			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
		<b>Hrs</b>	<b>University Core Curriculum (UCC) Capstone Option - 30 hrs</b>		<b>Hrs</b>
			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
	IAI FINE ARTS	3	FINE ARTS	See SIUC Equivalency Guide	T
BIO 225	Genetics	3	BIOL 202	Human Genetics and Human Health	T
			MULTICULTURAL		3
		<b>39</b>			<b>3</b>
<b>Program Requirements</b>			<b>Program Requirements</b>		
ORI 100	College 101	1	<b>Any course not articulated will be used to satisfy general electives</b>		
CPS 206	Computer Science I	4	ECE 222 (elective)	Introduction to Digital Computation	T
EGR 101 (or elective)	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
CHM 151	Chemical Principles	5	CHEM 200/201/202	Intro to Chemical Principles/Lab/Workshop	T
PHY 224	Intro to Circuit Analysis w/Lab	4	ECE 235/235L (elective)	Electric Circuits I/Lab	T
		<b>28</b>			
			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		2
					<b>50</b>
<b>Total semester hrs completed w/ AES degree:</b>		<b>67</b>	<b>Total semester hrs completed w/ BS degree:</b>		<b>53</b>
			<b>Total hrs to BS Degree:</b>		<b>120</b>