

PROGRAM ARTICULATION DEGREE PLAN					
John A. Logan College	2022-2023			Southern Illinois University Carbondale	
AES Industrial Engineering - 68 hrs		BS Industrial Management and Applied Engineering Quality Management Specialization- 120 hrs			
		University Core Curriculum (UCC) Capstone Option - 30 hrs			
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
ENG 102	English Composition II	3	ENGL 102	English Composition II	NA
MAT 201	Calculus II	5	MATH 250	Calculus II	T
ECO 201	Macroeconomics	3	ECON 241	Intro to Macroeconomics	T
	IAI Social Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
	IAI Fine Arts/Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
PHY 205	University Physics I	5	PHYS 203/253A (Required for BS degree)	College Physics/Lab	T
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		28			6
Program Requirements		Program Requirements			
Elective		3	The AES degree in Industrial Engineering as articulated fulfills the 22 hours of technical elective requirements for the BS degree in Industrial Management and Applied Engineering (IMAE).		
ORI 100	College 101	1			
CHM 151	Chemical Principles	5	CHEM 200/201	General Chemistry/Lab	T
CPS 206	Computer Science I	4	CS 202	Intro to Computer Science	T
EGR 101	Engineering Graphics	3	ME 102	Computer Aided Drawing	T
MAT 131	Calculus I	4	IMAE 307 or MATH 140 (required for BS degree)	Applied Calculus for Technology -or- Short Course in Calculus	T
MAT 202	Calculus III	3	MATH 251	Calculus III	T
MAT 205	Differential Equations	3	MATH 305	Intro to Differential Equations	T
PHY 201	Statics	3	ENGR 250	Statics	T
PHY 202	Dynamics	3	ENGR 261	Dynamics	T
PHY 203	Mechanics of Materials	3	ENGR 350A	Mechanics of Materials	T
PHY 206	University Physics II	5	PHYS 203B/253B (Required for BS degree)	College Physics/Physics Laboratory	T
		40			
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 340 -or- PSYC 323	Intro to Supervision/Organizational Psychology	3
			IMAE 375	Production and Inventory Management	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated 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
			Electives	(Must be at 300/400 level)	6
					48
Total semester hrs completed w/ AAS degree:		68	Total semester hrs completed w/ BS degree:		54
			Total hrs to BS Degree:		122
Degree Plan created on 8/11/2022 by SW		*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite			