

PROGRAM ARTICULATION DEGREE PLAN					
John A. Logan College	2022-2023		Southern Illinois University Carbondale		
AAS Industrial Maintenance -68 hrs			BS Industrial Management and Applied Engineering Quality Management Specialization- 120 hrs		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			Hrs
ORI 100	College 101	1	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
			ENGL 102	English Composition II	NA
MAT 108	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	T
	IAI SOCIAL SCIENCE	3	SOCIAL SCIENCE	See SIUC Equivalency Guide	T
			SOCIAL SCIENCE		3
	IAI HUMANITIES	3	HUMANITIES		T
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		17			13
Program Requirements			Program Requirements		
CMG 107	Construction Document Interpretation	3	The AAS degree in Industrial Maintenance as articulated fulfills the 22 hours of technical elective requirements for the BS degree in Industrial Management and Applied Engineering (IMAE).		
CMG 110	Wood Frame Construction I	4			
DRT 185	Computer Graphics I	2			
ELT 102	Basic Electricity and Wiring	4			
ELT 150	Applied Solid State Electronics	4			
ELT 224	Power Distribution and Motors	3			
HAC 107	Electrical Controls and Circuitry	3			
HAC 121	Heating I	4			
HAC 131	Refrigeration and Air Conditioning I	4			
IDM 120	Safety & Environmental Management	2			
IDM 210	Hydraulics & Pneumatics	3			
MAC 200	Machine Tool Lab	4			
MFT 103	Industrial Robots & PLCs	3			
MFT 201	PLC Manufacturing Systems	3			
WEL 121	SMAW (STICK) Plate Welding I	3			
WEL 122	GMAW (MIG) Plate Welding	3			
		52			
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307 or MATH 140	Applied Calculus for Technology -or- Short Course in Calculus	3-4
			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
			IMAE 340 -or- PSYC 323	Intro to Supervision/Organizational Psychology	3
			PHYS 203B/ 253B	College Physics/Physics Laboratory	4
			Electives	(Must be at 300/400 level)	6
					55-56
Total semester hrs completed w/ AAS degree:		69	Total semester hrs completed w/ BS degree:		68-69