

PROGRAM ARTICULATION DEGREE PLAN				
Kaskaskia College 2022-2023			Southern Illinois University Carbondale	
AAS Industrial Automation - 63 hours			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs	
			UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs	
		Hrs		Hrs
			UNIV 101	Saluki Success
SPCH 103* (Area B Elective)	Fundamentals of Speech	3	CMST 101	Intro to Oral Communication
ENGL 101	English Composition	3	ENGL 101	English Composition I
			ENGL 102	
MATH 134*	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra
BUSN 206* (Area D Elective)	Personal Finance	3	FIN 200	Personal Finance
PSYH 101 -or- SOCO 101	Psychology -or- Sociology	3	PSYC 102 -or- SOC 108	Intro to Psychology -or- Intro to Sociology
			HUMANITIES	
			HUMANITIES	NA
			PHYS 203/253A (Required for BS degree)	College Physics/Lab
			LIFE SCIENCE	3
			FINE ARTS	3
			HUMAN HEALTH	NA
SOCO 252* (Area C Elective)	Marriage & Family	3	MULTICULTURAL	(See SIUC Transfer Equivalency Guide)
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	<i>*Recommended to fulfill SIUC BS degree requirements</i>	18		
Program Requirements			Program Requirements	
INDT 105	D.C. Fundamentals	3	The AAS degree in Industrial Automation as articulated fulfills the 22 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).	
INDT 106	A.C. Fundamentals	3		
INDT 110	Fluid Power	3		
INDT 112	Basic Digital	3		
INDT 120	Drives and Motors	3		
INDT 132	Introduction to CNC	3		
INDT 190	Industrial Robotics	3		
INDT 210-or- DFTG 202	Engineering Design -or- Inventor	4		
INDT 220	Solid State	3		
INDT 270	Electrical Safety 70E	2		
INDT 276	Indust. Elect. Control Systems Appl.	3		
INDT 280	Program Control Concepts & Appl.	3		
INEI 115	Instrument and Process Control	3		
OFTC 108 -or- PHLE 119	Intro to Keyboarding-or-Core Values & Ethical Decision Making	1		
DFTG 129-or- INDT 122	Blueprint Reading Machine Trades -or-Print reading	2		
DFTG 118	Manufacturing Processes	3		
		45	IMAE 208 (Required for BS degree)	Manufacturing Processess
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			PHYS 203/253B	College Physics/Lab
			IMAE 110	Geometric Dimensioning and Tolerancing
			IMAE 305	Industrial Safety
			IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psych
			IMAE 375	Production and Inventory Management
			IMAE 390	Cost Estimating
			IMAE 392	Facilities Planning & Workplace Design
			IMAE 442	Fundamentals of Leadership
			IMAE 445	Computer Integrated Manufacturing
			IMAE 450	Project Management
			IMAE 465	Lean Manufacturing
			IMAE 470A	Six Sigma Green Belt I
			IMAE 470B	Six Sigma Green Belt II
			IMAE 476	Supply Chain Management
			IMAE Electives	(Must be at 300/400 level)
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			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite	52
Total semester hrs completed w/ AAS degree		63	Total semester hrs completed w/ BS degree	65
			Total semester hours to BS degree:	128
Degree Plan updated on 11/9/2022-LB				