

PROGRAM ARTICULATION DEGREE PLAN								
Kaskaskia College 2022-2023			Southern Illinois University Carbondale					
AAS Industrial Electricity - 65 hours			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs					
			UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs					
		Hrs		Hrs				
SPCH 103* (Area B Elective)	Fundamentals of Speech	3	UNIV 101	Saluki Success	NA			
ENGL 101	English Composition I	3	CMST 101	Intro to Oral Communication	T			
			ENGL 101	English Composition I	T			
			ENGL 102	English Composition II	NA			
MATH 134*	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra	T			
PSYH 101 -or- SOCO 101	Psychology -or- Sociology	3	PSYC 102 -or- SOC 108	Intro to Psychology -or- Intro to Sociology	T			
			SOCIAL SCIENCE		3			
			HUMANITIES		3			
			HUMANITIES		NA			
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4			
			LIFE SCIENCE		3			
			FINE ARTS		3			
			HUMAN HEALTH		NA			
HIST 147* (Area C Elective)	History of Diversities	3	MULTICULTURAL	(See SIUC Transfer Equivalency Guide)	T			
		15			16			
<i>*Recommended to fulfill SIUC BS degree requirements</i>								
Program Requirements			Program Requirements					
DFTG 129-or- INDE 168	Blueprint Reading Machine TrD- OR National Electric Code	3	The AAS degree in Industrial Electricity as articulated fulfills the 22 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).					
INDT 105	D.C. Fundamentals	3						
INDT 106	A.C. Fundamentals	3						
INDT 111	Industrial Safety	2						
INDT 112	Basic Digital	3						
INDT 120	Drives and Motors	3						
INDT 122	Print Reading	2						
INDT 132 -or- INDT 220	Introduction to CNC -or- Solid State	3						
INDT 190	Industrial Robotics	3						
INDT 210-or- DFTG 122	Engineering Design-or- CAD-Theory & Practice I	3						
INDT 211	Industrial Troubleshooting and Repair	3						
INDT 221	Industrial Wiring	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	Intro to Keyboarding	1						
PHLE 119	Core Values and Ethical Decision Making	1						
DFTG 118	Manufacturing Processes	3				IMAE 208 (Required for BS degree)	Manufacturing Processes	T
		50						
			PHYS 203/253B	College Physics/Lab	4			
			IMAE 110	Geometric Dimensioning and Tolerancing	3			
			IMAE 305	Industrial Safety	3			
			IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc	3			
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psych	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			
			IMAE Electives	(Must be at 300/400 level)	6			
			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		52			
Total semester hrs completed w/ AAS degree		65	Total semester hrs completed w/ BS degree		68			
			Total semester hours to BS degree:		133			
<i>Degree Plan updated on 11/9/2022 by LB</i>								