

PROGRAM ARTICULATION DEGREE PLAN								
Kaskaskia College 2022-2023			Southern Illinois University Carbondale					
AAS Industrial Technology- 66 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	See SIUC Transfer Equivalency Guide	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			
SOCO 252* (Area C Elective)	Marriage & Family	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 INDT 221	Blueprint Reading Machine Trades-or-Industrial Troubleshooting & Repair	3	<p>The AAS degree in Industrial Technology as articulated fulfills the 22 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).</p>					
INDT 105	D.C. Fundamentals	3						
INDT 106	A.C. Fundamentals	3						
INDT 110	Fluid Power	3						
INDT 111	Industrial Safety	2						
INDT 112	Basic Digital	3						
INDT 120	Drives and Motors	3						
INDT 122	Print Reading	2						
INDT 130	Basic Air Conditioning & Refrigeration	1						
INDT 132	Introduction to CNC	3						
INDT 190	Industrial Robotics	3						
INDT 211	Industrial Troubleshooting & Repair	3						
INDT 220	Solid State	3						
INDT 270	Electrical Safety 70E	2						
INDT 280	Program Control Concepts & Applications	3						
OFTC 108	Introduction to Keyboarding	1						
PHLE 119	Core Values and Ethical Decision Making	1						
WELD 189	Industrial Welding	3						
DFTG 118	C	3						
DFTG 122-or- INDT 210	CAD - Theory and Practice I -or- ENGR Design	3						
		51				IMAE 208 (Required for BS Degree)	Manufacturing Processes	T
						ME 102	Computer-Aided Engr Drawing	T
			PHYS 203B/253B	College Physics/Lab	4			
			IMAE 110	Geometric Dimensioning and Tolerancing	3			
			IMAE 305	Industrial Safety	3			
			IMAE 307	Applied Calc for Tech	3			
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- 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-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 Design & Strategy	3			
			IMAE Electives	(Must be at 300/400 level)	6			
			<i>**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite</i>		52			
Total semester hrs completed w/ AAS degree		66	Total semester hrs completed w/ BS degree		68			
			Total hours to BS degree:		134			
Plan updated on 11/9/2022-LB								