

PROGRAM ARTICULATION DEGREE PLAN				
<b>Kankakee Community College</b>	<b>2021-2022</b>		<b>Southern Illinois University Carbondale</b>	
AAS Welding Technology - 64 hours			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs	
			<b>University Core Curriculum (UCC) Capstone Option - 30 hrs</b>	
		<b>Hrs</b>		<b>Hrs</b>
			UNIV 101	Saluki Success
ENGL 1613	English I	3	ENGL 101	English Composition I
			ENGL 102	English Composition II
			CMST 101	Intro to Oral Communication
MATH 1814*	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra
SOCY 2513	Sociology	3	SOCIAL SCIENCE	
			SOCIAL SCIENCE	
			HUMANITIES	
			HUMANITIES	
			PHYS 203/253A	College Physics/Lab
			LIFE SCIENCE, GRP II	Students take 2 physics courses
			FINE ARTS	
			HUMAN HEALTH	
*Recommended to fulfill SIUC BS degree requirements			MULTICULTURAL	
		<b>10</b>		<b>19</b>
<b>Program Requirements</b>			<b>Program Requirements</b>	
COGT 2114	AutoCAD I	4	<b>The AAS in Welding Technology as articulated fulfills the 22 hrs of technical elective courses required for the BS degree in Industrial Management &amp; Applied Engineering.</b>	
ELTR 1004	Fundamentals of Electricity	4		
ELTR 1402	Industrial Safety	2		
MCHN 1214	Machine Tool I	4		
MCHN 1224	Machine Tool II	4		
PSCI 1114	Applied Technical Science	4		
WELD 1114	Basic Welding	4		
WELD 1124	Advanced Arc Welding	4		
WELD 1263	Metallurgy and Heat Treatment	3		
WELD 2044	Pipe Welding	4		
WELD 2124	Tungsten Inert Gas Welding	4		
WELD 2224	Metallic Inert Gas Welding	4		
WELDING Electives	Choose 2 from WELD 2062, 2072, and 2172	4		
COMM 1603	Business Communication	3		
COSC 1513	Introduction to Information Processing	3		
		<b>55</b>	MGMT 202	Business Communications
			ITEC 229	Computing Business Admin
			PHYS 203B/253B	College Physics/Lab
			IMAE 110	Geometric Dimensioning and Tolerancing
			IMAE 208	Manufacturing Processes
			IMAE 305	Industrial Safety
			IMAE 307 -or- MATH 140	Applied Calculus for Tech -or- Short Course in Calculus
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psychology
			IMAE 375	Production & Inventory Management
			IMAE 390	Cost Estimating
			IMAE 392	Facilities Planning & Workplace Design
			IMAE 442	Fundamentals of Leadership
			IMAE 445	Computer-Aided 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)
				<b>55-56</b>
<b>Total semester hrs completed w/ AAS degree</b>		<b>65</b>	<b>Total semester hrs completed w/ BS degree</b>	<b>74-75</b>
			<b>Total semester hours to BS degree:</b>	<b>139-140</b>
Degree Plan created on 2/18/2022 by SW			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite	