

PROGRAM ARTICULATION DEGREE PLAN			
Kaskaskia College 2022-2023		Southern Illinois University Carbondale	
AAS Welding Technology - 63 hours		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs	
		UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs	
		Hrs	Hrs
SPCH 103	Fundamentals of Speech	3	UNIV 101 Saluki Success
ENGL 101	English Composition	3	CMST 101 Intro to Oral Communication
			ENGL 101 English Composition I
			ENGL 102 English Composition II
MATH 134*	College Algebra	3	MATH 108 (Required for BS degree) College Algebra
			SOCIAL SCIENCE
			SOCIAL SCIENCE
			HUMANITIES
			HUMANITIES
			PHYS 203/253A (Required for BS degree) College Physics/Lab
			LIFE SCIENCE
			FINE ARTS
			HUMAN HEALTH
*Recommended to fulfill SIUC BS degree requirements			MULTICULTURAL
		9	
			21
Program Requirements		Program Requirements	
BUSN 103	Introduction to Business	3	The AAS degree in Welding Technology as articulated fulfills the 22 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).
CITG 101	Computer Basics	2	
CSTR 186	Construction Safety 30	2	
GUID 109	First Year College Experience	1	
PHLE 119	Core Values and Ethical Decision Making	1	
WELD 110	All Position Arc Welding	5	
WELD 114	Arc Welding I	5	
WELD 120	Blueprint Reading	3	
WELD 125	Advanced Blueprint Reading	3	
WELD 204	Arc Welding II	5	
WELD 225	Arc Welding III	5	
WELD 245	Pipe Welding I	4	
WELD 246	Pipe Welding II	6	
WELD 250	Lay-out and Fit-up	3	
WELD 252	Weld Inspection and Examination	3	
DFTG 122	CAD-Theory & Pract I	3	
		54	
			PHYS 203/253B College Physics/Lab
			IMAE 110 Geom Dimensioning & Tolerancing
			IMAE 208 Fundamentals of Mfg Processes
			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 Psychology
			IMAE 375 Production and 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 Design & Strategy
			IMAE Electives (Must be at 300/400 level)
			55
			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite
Total semester hrs completed w/ AAS degree		63	Total semester hrs completed w/ BS degree
			76
Plan updated on 11/9/2022 LB			Total hours to BS degree:
			139