

PROGRAM ARTICULATION DEGREE PLAN					
<b>College of DuPage</b>		<b>2021-2022</b>	<b>Southern Illinois University Carbondale</b>		
AAS Welding - 68 hrs			BS Industrial Management and Applied Engineering (IMAE) Quality Management Specialization - 120 hrs		
<b>General Education</b>			<b>University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs</b>		
		<b>Hrs</b>			<b>Hrs</b>
			UNIV 101	Saluki Success	NA
SPEEC 1100	Fundamentals of Speech Communication	3	CMST 101	Intro to Oral Communication	T
ENGLI 1101	English Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MATH 1428	College Algebra w/Applications	3	MATH 108	College Algebra	T
PSYCH 1100	General Psychology	3	PSYC 102	Intro to Psychology	T
			SOCIAL SCIENCE		3
	Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		NA
PHYSI 1201	General Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
	Contemporary Life Skills	2	MULTICULTURAL	See SIUC Transfer Equivalency Guide	T
		<b>22</b>			<b>9</b>
<b>Program Requirements</b>			<b>Program Requirements</b>		
Program Electives	Select from list of approved courses	5	<b>Any unarticulated courses will be used to satisfy general elective credit</b>		
MANUF 1101	Industrial Design/CAD	3			
WELD 1100	Welding I	3			
WELD 1112	Oxy-Fuel, Welding, Plasma Cutting & Br	3			
WELD 1122	Shielded Arc Welding (SMAW)	3			
WELD 1132	Metal Inert Gas (MIG) Carbon Steel Welding	3			
WELD 1142	Gas Tungsten Arc (TIG)	3			
WELD 1151	Pipe Welding & Fabrication	3			
WELD 1160	Skill Assessment	3			
WELD 2000	Intro to AWS Level 1	2			
WELD 2001	AWS Level 1 Shielded Metal Arc Welding	3			
WELD 2002	AWS Level 1 Gas Tungsten Arc Welding	3			
WELD 2003	AWS Level 1 Flux Core Arc Welding	3			
WELD 2004	AWS Level 1 Gas Metal Arc Welding	3			
MANUF 1151	Machine Shop I	3			
		<b>46</b>	IMAE 208	Fundamentals of Manufacturing Processes	T
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 305	Industrial Safety	3
			IMAE 307 -or- MATH 140	Applied Calculus for Tech -or- Short Course in Calculus	3
			PSYC 323 or IMAE 340*	Organizational Psychology or Intro to Supervision	3
			IMAE 375	Production & 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	300/400 level	3
					<b>49</b>
<b>Total semester hrs completed w/AAS degree:</b>		<b>68</b>	<b>Total semester hrs completed w/BS degree:</b>		<b>58</b>
			<b>Total hours to BS Degree:</b>		<b>126</b>
			*PSYC 323 instead of IMAE 340 is an option for on-campus students only		
Degree Plan created on 9/23/21 by SG					