

PROGRAM ARTICULATION DEGREE PLAN					
City Colleges of Chicago (Daley) 2024-2025			Southern Illinois University Carbondale		
AAS Welding Engineering Technology - 62 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
			University Core Curriculum (UCC) - 30 hrs Capstone Option		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
			CMST 101	Intro Oral Communication	3
ENGLISH 101	Composition	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MATH 140	College Algebra	4	MATHEMATICS		T
	IAI Social & Behavioral Science*	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			SOCIAL SCIENCE		3
	IAI Humanities/Fine Arts*	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		NA
PHYSICS 231	General Physics I	4	PHYS 203A -and- 253A	College Physics w/Lab	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		17			15
*At least 1 course must meet Human Diversity requirements					
Program Requirements			Program Requirements		
340 MFGT 105	Intro to Advanced Manufacturing I	3	<p>The AAS degree in Welding Engineering Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).</p>		
340 MFGT 106	Intro to Advanced Manufacturing II	3			
340 MFGT 107	Intro to Advanced Manufacturing III	3			
340 MFGT 108	Robotics I	3			
340 MFGT 109	Intro to Manual Machining	3			
340 MFGT 110	CNC I Operations	3			
340 MFGT 153	Welding I GMAW	3			
340 MFGT 154	Welding II GTAW	3			
340 MFGT 171	Automated Metrology-Quality Assurance	3			
340 MFGT 188	Industrial Electricity I	3			
340 MFGT 210	Automated Fabrication I	3			
340 MFGT 211	Automated Fabrication II	3			
340 MFGT 251	Welding III - Advanced Welding	3			
340 MFGT 252	Welding IV - Inspection	3			
340 MFGT 274	Materials II - Testing & Analysis	3			
		45			
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307	Applied Calc for Tech	3
			IMAE 340	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 Elective	300/400 level	3
					52
Total semester hrs completed with AAS degree:		62	Total semester hrs completed with BS degree:		67
			Total hrs to BS degree:		129
Degree Plan updated on 5/17/24 by SG					