

PROGRAM ARTICULATION DEGREE PLAN				
City Colleges of Chicago (Daley) 2024-2025		Southern Illinois University Carbondale		
AAS Computer-Aided Drafting 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	
		CMST 101	Intro Oral Communication	
ENGLISH 101	Composition	3 ENGL 101	English Composition I	
			T	
		ENGL 102	English Composition II	
			NA	
MATH 140	College Algebra	4 MATH 108	College Algebra	
			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 align="center">The AAS degree in Computer-Aided Drafting 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 -or- 195	Welding I GMAW -or- Manual Machining II	3		
340 MFGT 170	CAD I	3		
340 MFGT 171	Automated Metrology-Quality Assurance	3		
340 MFGT 188	Industrial Electricity I	3		
340 MFGT 209	Computer Aided Manufacturing (CAM) I	3		
340 MFGT 270	CAD II Detailing	3		
340 MFGT 274	Materials II - Testing & Analysis	3		
340 MFGT 287	Maintenance Technologies I	3		
340 MFGT 290	Process Technology I	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 created on 5/17/24 by SG				