

PROGRAM ARTICULATION DEGREE PLAN					
Elgin Community College	2024-2025		Southern Illinois University Carbondale		
AAS Computer Integrated Manufacturing - 66 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
			CMST 101	Intro:Oral Communication	3
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
ENG 102	English Composition II	3	ENGL 102	English Composition II	T
			MATH 108	College Algebra	3
	Social/Behavioral Science	3	SOCIAL SCIENCE	See <i>SIUC Transfer Equivalency Guide</i>	T
			SOCIAL SCIENCE		3
	Humanities/Fine Arts	3	HUMANITIES	See <i>SIUC Transfer Equivalency Guide</i>	T
			HUMANITIES		NA
			PHYS 203A -and- 253A	College Physics w/Lab	4
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		12			22
Program Requirements			Program Requirements		
CAD 120	Intro to Solid Works	3	The AAS degree in Computer Integrated Manufacturing as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).		
CAD 121	Advanced Concepts in SolidWorks	3			
IMT 103	Industrial Manufacturing Tech I	3			
IMT 104	Industrial Manufacturing Tech II	3			
IMT 107-or-MTH 107	Technical Math I or Technical Math I	4			
IMT 110	Intro to CNC Programing I	4			
IMT 112	Metrology - The Study of Measurement	3			
IMT 204	Industrial Manufacturing Tech V	5			
IMT 220	Intro to CNC Programming II	4			
IMT 221	Intro to CNC Toolpathing	4			
IMT 222	Advanced CNC Programming I	4			
IMT 223	Advanced CNC Programming II	4			
IST 105	Electrical Control Circuits	3			
IST 140	Programmable Controllers I	3			
CAD 101	Intro to Engineering Design	4			
		54			
			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 w/AAS degree:		66	Total semester hrs completed w/BS degree:		74
			Total hours to BS degree:		140
<i>Degree Plan updated on 5/29/24 by SG</i>					