

PROGRAM ARTICULATION DEGREE PLAN				
Elgin Community College	2024-2025	Southern Illinois University Carbondale		
AAS Computer Integrated Manufacturing - 66 hrs		BS Technical Resource Management (TRM) - 120 hrs		
		University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs	Hrs	
		UNIV 101	Saluki Success	
		CMST 101	Intro:Oral Communication	
ENG 101	English Composition I	3 ENGL 101	English Composition I	
ENG 102	English Composition II	3 ENGL 102	English Composition II	
		MATHEMATICS	3	
	Social/Behavioral Science	3 SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	
		SOCIAL SCIENCE	3	
	Humanities/Fine Arts	3 HUMANITIES	See SIUC Transfer Equivalency Guide	
		HUMANITIES	NA	
		PHYSICAL SCIENCE	3	
		LIFE SCIENCE	3	
		FINE ARTS	3	
		HUMAN HEALTH	NA	
		MULTICULTURAL	3	
		12	21	
Program Requirements		Program Requirements		
CAD 120	Intro to Solid Works	3	The AAS degree in Computer Integrated Manufacturing meets the Career Electives requirement of 42 hours.	
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	Introduction to CNC Programming I	4		
IMT 112	Metrology - The Study of Measurement	3		
IMT 204	Industrial Manufacturing Tech V	5		
IMT 220	Introduction to CNC Programming II	4		
IMT 221	Introduction to CNC Toolpathing	4		
IMT 222	Adv CNC Programming I	4		
IMT 223	Adv CNC Programming II	4		
IST 105	Electrical Control Circuits	3		
IST 140	Programmable Controllers I	3		
CAD 101	Intro to Engineering Design	4		
		54		
		ME 102 (elective)		Computer-Aided Engineering Drawing
			T	
		TRM 316	Applications of Technical Writing	
		TRM 364	Work Center Management	
		TRM 383	Data Applications & Interpretation	
		TRM 425	Operations Management	
		TRM 464	Managing for Quality	
		TRM 470	Project Management	
		TRM Support Courses	Select 2 from: TRM 332, 361, 362, 363E, 421, 440	
		Approved Electives	300/400 Level	
		TRM 319, 320, 350, 358	As necessary to meet 42 senior institution hour requirement	
			42	
Total semester hrs completed w/AAS degree:		66	Total semester hrs completed w/BS degree:	
			63	
		Total hours to BS degree:		
			129	
<i>Degree Plan updated on 5/21/24 by SG</i>				