

PROGRAM ARTICULATION DEGREE PLAN			
Elgin Community College 2022-2023		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
ENG 102	English Composition II	3	ENGL 102
			English Composition I
			English Composition II
			MATHEMATICS
SOCIAL/BEHAVIORAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE
			(See SIUC Equivalency Guide)
			SOCIAL SCIENCE
HUMANITIES/FINE ARTS*	(See SIUC Equivalency Guide)	3	HUMANITIES
			(See SIUC Equivalency Guide)
			HUMANITIES
			PHYSICAL SCIENCE
			LIFE SCIENCE
			FINE ARTS
			HUMAN HEALTH
			MULTICULTURAL
<i>Liberal Education courses*</i>		12	
			22
Program Requirements		Program Requirements	
CAD 101	Introduction to Engineering Design	4	<p>An AAS Degree in Computer Integrated Manufacturing from an accredited institution meets this requirement. An approved apprenticeship or a maximum of 30 semester hours of internship, work experience credit, or independent study may be part of these 42 hours.</p>
CAD 120	Introduction to SolidWorks	3	
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	
		54	
		TRM 316	Applications of Technical Communication
		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:	TRM 332; 361; 362; 421; 426; 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:
			64
Plan created on 10/21/2022-LB		Total to degree:	130