

PROGRAM ARTICULATION DEGREE PLAN							
Elgin Community College 2022-2023				Southern Illinois University Carbondale			
AAS Machine Tool Technology - 62.5 hrs				BS Technical Resource Management (TRM) - 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	NA	
				MATHEMATICS		3	
SOCIAL/BEHAVIORAL SCIENCE	(See SIUC Equivalency Guide)	3		SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T	
				SOCIAL SCIENCE		3	
HUMANITIES/FINE ARTS*	(See SIUC Equivalency Guide)	3		HUMANITIES	(See SIUC Equivalency Guide)	T	
				HUMANITIES		NA	
				PHYSICAL SCIENCE		4	
				LIFE SCIENCE		3	
				FINE ARTS		3	
				MULTICULTURAL		3	
						22	
<i>*Required Liberal Education Course</i>		12					
				Program Requirements			
Program Requirements				<p align="center">An AAS from Machine Tool Technology from an accredited institution meets the 42 hours of lower division technical career electives required. An approved apprenticeship or a maximum of 30 semester hours of internship, work</p>			
CAD 101	Introduction to Engineering Design	4					
IMT 103	Industrial Manufacturing Tech I	3					
IMT 107-or-MTH 107	Technical Math I-or-Technical Math I	4					
IMT 104	Industrial Manufacturing Tech II	3					
IMT 108	Industrial Manufacturing Tech III	3					
IMT 110	Introduction to CNC Programming I	4					
IMT 112	Metrology-The Study of Measurement	3					
IMT 119	Fabrication of Machine Parts	3					
IMT 203	Manufacturing Process & Design Tech	3					
IMT 204	Industrial Manufacturing Tech V	5					
IMT 208	Basic Die Theory	4					
IMT 209	Basic Mold Theory	4					
IMT 214	Jig & Fixture Theory	2					
IST 121	Fluid Power Systems	3					
WEL 101	Welding I	2.5		TRM 316	Applications of Technical Communication	3	
		50.5		TRM 364	Work Center Management	3	
				TRM 383	Data Applications & Interpretation	3	
				TRM 425	Operations Management	3	
				TRM 464	Managing For Quality	3	
				TRM 470	Project Management	3	
				TRM Support Courses Select 2:	TRM 332; 361; 362; 421; 426; 440	6	
				Approved Electives	300/400 level	15	
				TRM 319, 320, 350, 358	As necessary to meet 42 senior institution hour requirement	3	
						42	
Total semester hrs completed w/ AAS degree		62.5		Total semester hrs completed w/ BS degree:		64	
				Total to degree:		126.5	