

PROGRAM ARTICULATION DEGREE PLAN				
Elgin Community College		2024-2025		
AAS Machine Tool Technology - 62.5 hrs		Southern Illinois University Carbondale		
		BS Industrial Management & Applied Engineering (IMAE) - 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	ENGL 101	English Composition I	
ENG 102	English Composition II	ENGL 102	English Composition II	
		MATH 108	College Algebra	
	Social/Behavioral Science	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	
		SOCIAL SCIENCE		
	Humanities/Fine Arts	HUMANITIES	See SIUC Transfer Equivalency Guide	
		HUMANITIES		
		PHYS 203A -and- 253A	College Physics w/Lab	
		LIFE SCIENCE		
		FINE ARTS		
		HUMAN HEALTH		
		MULTICULTURAL		
		12	22	
Program Requirements		Program Requirements		
IMT 103	Industrial Manufacturing Tech I	3	The AAS degree in Machine Tool Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).	
IMT 104	Industrial Manufacturing Tech II	3		
IMT 107 -or- MTH 107	Technical Math I -or- Technical Math I	4		
IMT 108	Industrial Manufacturing Tech III	3		
IMT 110	Intro 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		
CAD 101	Intro to Engineering Design	4		
		50.5		
		PHYS 203B -and- 253B		College Physics w/Lab
		IMAE 110	Geometric Dimensioning & Tolerancing	
		IMAE 208	Fundamentals of Manufacturing Processes	
		IMAE 305	Industrial Safety	
		IMAE 307	Applied Calc for Tech	
		IMAE 340	Intro to Supervision	
		IMAE 375	Production & Inventory Management	
		IMAE 390	Cost Estimating	
		IMAE 392	Facilities Planning & Workplace Design	
		IMAE 442	Fundamentals of Leadership	
		IMAE 445	Computer Integrated Manufacturing	
		IMAE 450	Project Management	
		IMAE 465	Lean Manufacturing	
		IMAE 470A	Six Sigma Green Belt I	
		IMAE 470B	Six Sigma Green Belt II	
		IMAE 476	Supply Chain Management	
		IMAE Elective	300/400 level	
			52	
Total semester hrs completed w/AAS degree:		62.5	Total semester hrs completed w/BS degree:	
			74	
			Total hours to BS degree:	
			136.5	
Degree Plan updated on 5/29/24 by SG				