

PROGRAM ARTICULATION DEGREE PLAN			
Elgin Community College 2022-2023		Southern Illinois University Carbondale	
AAS Industrial Manufacturing Technology - 63-64 hrs		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	3 ENGL 101	English Composition I
ENG 102	English Composition II	3 ENGL 102	English Composition II
		MATH 108 (Required for BS degree)	College Algebra
Social/Behavioral Science	(See SIUC Transfer Equivalency Guide)	3 SOCIAL SCIENCE	(See SIUC Transfer Equivalency Guide)
		SOCIAL SCIENCE	
Humanities/Fine Arts*	(See SIUC Transfer Equivalency Guide)	3 HUMANITIES	(See SIUC Transfer Equivalency Guide)
		HUMANITIES	
		PHYS 203/253A (Required for BS degree)	
		LIFE SCIENCE	
		FINE ARTS	
		HUMAN HEALTH	
		MULTICULTURAL	
*Liberal Education Course		12	22
Program Requirements		Program Requirements	
CAD 101	Introduction to Engineering Design	4	The AAS degree in Industrial Manufacturing Technology as articulated fulfills the 22 hrs of technical electives and the following course requirements for the BS degree in Industrial Management & Applied Engineering.
CAD 120	Introduction to 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 108	Industrial Manufacturing Tech III	3	
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 Toolpath	4	
Industrial Electives		11-12	
		51-52	
		PHYS 203/253B	College Physics/Lab
		IMAE 110	Geometric Dimensioning & Tolerancing
		IMAE 208	Fundamentals of Manufacturing Processes
		IMAE 305	Industrial Safety
		IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc
		IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psych
		IMAE 375	Production and 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 Electives	(Must be at 300/400 level)
		**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite	55
Total semester hrs completed w/ AAS degree		63-64	Total semester hrs completed w/ BS degree
			77
			Total hours to BS degree:
			140-141