

PROGRAM ARTICULATION DEGREE PLAN			
Illinois Eastern Community Colleges (Wabash Valley) 2022-2023		Southern Illinois University Carbondale	
AAS Advanced Manufacturing - 63 hrs		BS Industrial Management and 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 1111	Composition I	3	ENGL 101 English Composition I
			ENGL 102 English Composition II
MTH 1102	College Algebra	4	MATH 108 College Algebra
PSY 1101	General Psychology I	3	PSYC 102 Intro to Psychology
			SOCIAL SCIENCE
			HUMANITIES
			HUMANITIES
			FINE ARTS
			PHYS 203/253A (Required for BS degree)
			PHYS 203/253B
			LIFE SCIENCE
			HUMAN HEALTH
			MULTICULTURAL
<i>*Recommended to fulfill BS degree requirements</i>		10	
Program Requirements		Program Requirements	
CAD 1210	Computer Aided Drafting I	3	ME 102 Computer-Aided Engr Drawing
DAP 1201	Business Computer Systems	3	CS 200B Computer Concepts
MAN 1204	Manufacturing Materials & Processes	4	IMAE 208 (Required for BS degree) Fundamentals of Manufacturing Processes
MAN 2202	Leadership	3	IMAE 442 (Required for BS degree) Fundamentals of Leadership
EDR 1202	Mechanical Blueprint Reading	4	The AAS degree in Advanced Manufacturing as articulated fulfills the 22 hrs of technical electives and the following course requirements for the BS degree in Industrial Management & Applied Engineering.
GEN 1298	Career Pathways to Success	1	
GEN 2297	Employment Skills	2	
MAC 1203	Precision Measurement	3	
MAC 2231	Introduction to CNC	3	
MAN 1201	Introduction to Machining	5	
MAN 1202	Industrial Safety	2	
MAN 1211	Industrial Electricity	4	
MAN 1215	Mechanical Drives	3	
MAN 2201	Quality Concepts and Techniques	2	
MAN 2211	Programmable Logic Controllers	4	
PSC 1101	Intro to Physical Science	4	
WEL 1201	Basic Welding	3	
		53	
		IMAE 110	
		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 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
Total semester hrs completed w/ AAS degree:		63	Total semester hrs completed w/ BS degree
			74
			Total hours to BS degree:
			137