

PROGRAM ARTICULATION DEGREE PLAN					
Sauk Valley Community College 2024-2025		Southern Illinois University Carbondale			
AAS Multicraft Technology Machining & CNC Emphasis - 60 hours		BS Industrial Management & Applied Engineering - 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	Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			MATH 108	College Algebra	3
	IAI Social/Behavioral Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			SOCIAL SCIENCE		3
	IAI Humanities/Fine Arts	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		NA
			LIFE SCIENCE		3
PHY 175	Intro to Physics	4	PHYS 203A -and- 253A	College Physics w/Lab	T
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		13			18
Program Requirements			Program Requirements		
FYE 101	First Year Experience	1	The AAS degree in Multicraft Technology Machining & CNC Emphasis as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).		
IND 218	Fluid Power	3			
IND 219	Industrial Troubleshooting	3			
IND 250	Industrial Internship	1			
WLD 101	Industrial MIG Welding	2			
WLD 102 -or- 103	Shielded Metal Arc Welding -or- MIG Welding	3			
WLD 106	Welding Fundamentals	2			
EET 245	Programmable Controllers	3			
EET 261	Adv Programmable Controllers	3			
ELT 120	Fund of Elec w/Applied Math	3			
ELT 259	Industrial & Agric Wiring	3			
ELT 262	Electrical Controls	3			
ENG 111	Bus/Technical Communication	3			
IND 108	Intro to CAD	2			
IND 118	Mechanical Systems	3			
Select 9 hours from:	IND 125, 203, 207 -or- 208	9	EET 2XX (elective)	EET Tech Elective 200-level	T
		47	EET 2XX (elective)	EET Tech Elective 200-level	T
			EET 1XX (elective)	EET Tech Elective 100-level	T
			IMAE 2XX (elective)	IMAE Tech Elective 200-level	T
			EET 2XX (elective)	EET Tech Elective 200-level	T
			MGMT 202 (elective)	Business Communications	T
			IMAE 105 (elective)	Computer-Aided Drafting	T
			IMAE 1XX (elective)	IMAE Tech Elective 100-level	T
			IMAE 209 -or- IMAE 2XX (elective)	Manufacturing Process Technology -or- IMAE Tech Elective 200-level	T
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307	Applied Calc for Tech	3
			IMAE 340	Intro to Supervision	3
			IMAE 375	Production & Inventory Management	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated Manufacturing	3
			IMAE 450	Project Management	3
			IMAE 465	Lean Manufacturing	3
			IMAE 470A	Six Sigma Green Belt I	3
			IMAE 470B	Six Sigma Green Belt II	3
			IMAE 476	Supply Chain Management	3
			IMAE Elective	300/400 level	3
					52
Total semester hrs completed w/AAS degree:		60	Total semester hrs completed w/BS degree:		70
			Total hours to BS degree:		130
Degree Plan updated on 5/29/24 by SG					