

PROGRAM ARTICULATION DEGREE PLAN		Southern Illinois University Carbondale			
Sauk Valley Community College   2024-2025		BS Industrial Management & Applied Engineering - 120 hrs			
AAS Multicraft Technology HVAC Emphasis - 60 hours		University Core Curriculum (UCC) Capstone Option - 30 hrs			
	Hrs		Hrs		
		UNIV 101	Saluki Success		
		CMST 101	Intro:Oral Communication		
ENG 101	Composition I	ENGL 101	English Composition I		
		ENGL 102	English Composition II		
		MATH 108	College Algebra		
	IAI Social/Behavioral Science	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide		
		SOCIAL SCIENCE			
	IAI Humanities/Fine Arts	HUMANITIES	See SIUC Transfer Equivalency Guide		
		HUMANITIES			
		LIFE SCIENCE			
PHY 175	Intro to Physics	PHYS 203A -and- 253A	College Physics w/Lab		
		FINE ARTS			
		HUMAN HEALTH			
		MULTICULTURAL			
	13		18		
<b>Program Requirements</b>		<b>Program Requirements</b>			
FYE 101	First Year Experience	<p>The AAS degree in Multicraft Technology HVAC Emphasis as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management &amp; Applied Engineering (IMAE).</p>			
HRS 114	Sheet Metal Fabrication				
HRS 120	Basic Refrigeration				
HRS 130	Basic Heating				
IND 218	Fluid Power				
IND 219	Industrial Troubleshooting				
IND 250	Industrial Internship				
WLD 101	Industrial MIG Welding				
WLD 102 -or- 103	Shielded Metal Arc Welding -or- MIG Welding				
WLD 106	Welding Fundamentals				
EET 245	Programmable Controllers			EET 2XX (elective)	EET Tech Elective 200-level
EET 261	Adv Programmable Controllers			EET 2XX (elective)	EET Tech Elective 200-level
ELT 120	Fund of Elec w/Applied Math			EET 1XX (elective)	EET Tech Elective 100-level
ELT 259	Industrial & Agric Wiring			IMAE 2XX (elective)	IMAE Tech Elective 200-level
ELT 262	Electrical Controls			EET 2XX (elective)	EET Tech Elective 200-level
ENG 111	Bus/Technical Communication	MGMT 202 (elective)	Business Communications		
IND 108	Intro to CAD	IMAE 105 (elective)	Computer-Aided Drafting		
IND 118	Mechanical Systems	IMAE 1XX (elective)	IMAE Tech Elective 100-level		
	47				
		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		
			3		
			52		
<b>Total semester hrs completed w/AAS degree:</b>		<b>60</b>	<b>Total semester hrs completed w/BS degree:</b>		
			<b>70</b>		
		<b>Total hours to BS degree:</b>			
			<b>130</b>		
Degree Plan updated on 5/29/24 by SG					