

PROGRAM ARTICULATION DEGREE PLAN			Southern Illinois University Carbondale			
Sauk Valley Community College 2023-2024			BS Technical Resource Management - 120 hrs			
AAS Multicraft Technology - 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	3	ENGL 101	English Composition I		
			ENGL 102	English Composition II		
			MATH 108	College Algebra		
	IAI Social Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide		
			SOCIAL SCIENCE			
	IAI Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide		
			HUMANITIES			
			LIFE SCIENCE			
PHY 175	Intro to Physics	4	SC1 1XX	Science UCC Sub 100-level		
			FINE ARTS			
			HUMAN HEALTH			
			MULTICULTURAL			
		<b>13</b>		<b>18</b>		
<b>Program Requirements</b>			<b>Program Requirements</b>			
FYE 101	First Year Experience	1	The AAS degree meets the 42 hours of lower division technical career electives required for the BS in Technical Resource Management. An approved apprenticeship or a maximum of 30 semester hours of internship, work experience credit, or independent study may be included.			
ENG 111	Bus/Technical Communication	3				
EET 245	Programmable Controllers	3				
EET 261	Adv Programmable Controllers	3				
ELT 120	Fund of Elec w/ Applied Math	3				
ELT 259	Industrial and Agric Wiring	3				
ELT 262	Electrical Controls	3				
IND 108	Introduction to CAD	2				
IND 118	Mechanical Systems	3				
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				
Choose 9 hours from One Area of Emphasis Electives		9				
		<b>47</b>				
<b>Electrical Emphasis Electives</b>						
ELT 101	Electrical Wiring	3				
ELT 261	National Electric Code	3				
ENE 130	Photovoltaics	3				
<b>HVAC Emphasis Electives</b>						
HRS 114	Sheet Metal Fabrication	3				
HRS 120	Basic Refrigeration	3				
HRS 130	Basic Heating	3				
<b>Machining &amp; CNC Emphasis Electives (Choose 9 hours)</b>						
IND 125	Machining & Manufacturing Proc	3				
IND 203	Advanced Machining & Manufacturing Proc	3				
IND 207	Computer Numerical Cont Prog I	3				
IND 208	Comp Numerical Control Prog II	3				
<b>Welding Emphasis Electives</b>						
WLD 102 or 103	Shielded Metal Arc Welding or MIG Welding	3				
WLD 104	TIG Welding	3				
WLD 140	Robotic Welding	3				
			TRM 316	Applications of Technical Communication		
			TRM 364	Work Center Management		
			TRM 383	Data Applications & Interpretation		
			TRM 425	Operations Management		
			TRM 464	Managing for Quality		
			TRM 470	Project Management		
			TRM Support Courses	Select 2 from TRM 332, 361, 362, 363, 421, 426, 440		
			Approved Electives	300/400 Level		
			TRM 319, 320, 350, 358	As necessary to meet 42 senior institution hour requirement		
				<b>42</b>		
<b>Total semester hrs completed w/ AAS degree</b>		<b>60</b>	<b>Total semester hrs completed w/ BS degree</b>	<b>60</b>		
			<b>Total hours to BS degree:</b>	<b>120</b>		