

PROGRAM ARTICULATION DEGREE PLAN			
<b>Carl Sandburg College</b>	<b>2022-2023</b>	<b>Southern Illinois University Carbondale</b>	
AAS Welding - 60 hrs		BS Technical Resource Management (TRM) - 120 hrs	
		<b>University Core Curriculum (UCC) Capstone Option - 30 hrs</b>	
		<b>Hrs</b>	<b>Hrs</b>
		UNIV 101	Foundations of Inquiry
		CMST 101	Intro:Oral Communication
		ENGL 101	English Composition I
		ENGL 102	English Composition II
		MATHEMATICS	
		SOCIAL SCIENCE	
		SOCIAL SCIENCE	
		HUMANITIES	
		HUMANITIES	
		PHYSICAL SCIENCE	
		LIFE SCIENCE	
		FINE ARTS	
		HUMAN HEALTH	
		MULTICULTURAL	
		<b>0</b>	<b>30</b>
<b>Program Requirements</b>		<b>Program Requirements</b>	
BOC 107	Tech Skills for Business Environment	3	<b>The AAS degree in Industrial Welding Technology meets the Career Electives requirement of 42 hours.</b>
BUS 100	Intro to Business	3	
ICT 110	Computer Software Applications	3	
IND 100	Career Skills for Industry	1	
MAT 101	Technical Mathematics I	3	
MET 100	Metallurgy Fundamentals	2	
MFG 130	Industrial Safety	2	
MTL 101	Machine Tool Fundamentals I	3	
MTL 103	Manufacturing Processes	2	
PHY 110	Applied Physics	3	
TQM 101	Total Quality Management	2	
WEL 125	Welding Blueprints	2	
WEL 126	Weld Test Evaluation	3	
WEL 128	Metal Preparation	2	
WEL 149	Automated Welding Applications	2	
WEL 162	Arc Welding Basics	3	
WEL 164	Arc Welding Advanced	3	
WEL 166	Gas Tungsten Arc Welding	3	
WEL 168	Gas Metal Arc Welding	3	
WEL 170	Applications of GMAW/FCAW	3	
WEL 172	Welding Applications	3	
WEL 174	Fabrication	3	
WEL 176	Fabrication II	3	
		<b>60</b>	
		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 requirem
			<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>72</b>
			<b>Total hours to BS degree:</b>
			<b>132</b>
<i>Degree plan created by SW 7/25/2022</i>			