

PROGRAM ARTICULATION DEGREE PLAN					
<b>Elgin Community College 2022-2023</b>				<b>Southern Illinois University Carbondale</b>	
<b>AAS Welding Fabrication Technology - 62-63 hrs</b>				<b>BS Technical Resource Management (TRM) - 120 hrs</b>	
				<b>University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs</b>	
		<b>Hrs</b>			<b>Hrs</b>
			UNIV 101	Saluki Success	NA
			CMST 101	Intro:Oral Communication	3
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
ENG 102	English Composition II	3	ENGL 102	English Composition II	NA
MATHEMATICS	(See SIUC Equivalency Guide)	3	MATHEMATICS	(See SIUC Equivalency Guide)	T
SOCIAL/BEHAVIORAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
			SOCIAL SCIENCE		3
HUMANITIES/FINE ARTS*	(See SIUC Equivalency Guide)	3	HUMANITIES	(See SIUC Equivalency Guide)	T
			HUMANITIES		NA
			PHYSICAL SCIENCE		4
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
<i>*Required Liberal Education Course</i>		<b>15</b>			<b>19</b>
<b>Program Requirements</b>				<b>Program Requirements</b>	
CAD 101 or CAD 120 or HAC 109	Intro to Engr Design/Intro to Solidworks/Basic Sheet Metal	3-4	<p><b>An AAS in Welding Fabrication Technology from an accredited institution meets the 42 hours of lower division technical career electives required. An approved apprenticeship or a maximum of 30 semester hours of internship, work experience credit, or independent study may be part of these 42 hours.</b></p>		
IMT 103	Industrial Manufacturing Tech I	3			
WEL 101	Welding I	2.5			
WEL 102	Welding II	4			
WEL 112	Applied Welding Theory	3			
WEL 113	Welding Power Sources and Setup	3			
WEL 208	Welding III	4			
WEL 210	Welding IV	4			
WEL 211 or WEL 212	TIG Welding Techniques or MIG Welding Techniques	4			
WEL 213	Welding Metallurgy	3			
WEL 214	Cutting Processes	2			
WEL 215	Advanced Welding Techniques	4			
WEL 222	Blueprint Reading & Fabrication	4.5			
Industrial Technology Electives		3			
		<b>47-48</b>	TRM 316	Applications of Technical Communication	3
			TRM 364	Work Center Management	3
			TRM 383	Data Applications & Interpretation	3
			TRM 425	Operations Management	3
			TRM 464	Managing For Quality	3
			TRM 470	Project Management	3
			TRM Support Courses Select 2:	TRM 332; 361; 362; 421; 426; 440	6
			Approved Electives	300/400 level	15
			TRM 319, 320, 350, 358	As necessary to meet 42 senior institution hour requirement	3
					<b>42</b>
<b>Total semester hrs completed w/ AAS degree:</b>		<b>62-63</b>	<b>Total semester hrs completed w/ BS degree:</b>		<b>61</b>
			<b>Total to BS Degree</b>		<b>123-124</b>