	PLAN				
Elgin Community College 2022-2023 AAS Welding Fabrication Technology - 62-63 hrs			Southern Illinois University Carbondale BS Technical Resource Management (TRM) - 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	English Composition I	3	ENGL 101	English Composition I	Т
ENG 102	English Composition II	3	ENGL 102	English Composition II	NA
MATHEMATICS	(See SIUC Equivalency Guide)	3	MATHEMATICS	(See SIUC Equivalency Guide)	Т
SOCIAL/BEHAVIORAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	Т
			SOCIAL SCIENCE		3
HUMANITIES/FINE ARTS*	(See SIUC Equivalency Guide)	3	HUMANITIES	(See SIUC Equivalency Guide)	Т
			HUMANITIES		NA
			PHYSICAL SCIENCE		4
					3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
*Required Liberal Education Course		15			19
Program Requirements			Program Requirements		
CAD 101 or CAD 120 or HAC 109	Intro to Engr Design/Intro to Solidworks/Basic Sheet Metal	3-4			
IMT 103	Industrial Manufacturing Tech I	3			
	Welding	25			
WEL 101	Welding I	2.5			
WEL 101 WEL 102	Welding II	4	-		
WEL 101 WEL 102 WEL 112	Welding II Applied Welding Theory	4			
WEL 101 WEL 102 WEL 112 WEL 113	Welding II Applied Welding Theory Welding Power Sources and Setup	4 3 3		echnology from an accredited institution meets the 42 hours of lo	
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208	Welding II Applied Welding Theory Welding Power Sources and Setup Welding III	4 3 3 4		echnology from an accredited institution meets the 42 hours of lov uired. An approved apprenticeship or a maximum of 30 semester	
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 208	Welding II Applied Welding Theory Welding Power Sources and Setup Welding III Welding IV	4 3 3 4 4	technical career electives rec		hours of
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212	Welding II Applied Welding Theory Welding Power Sources and Setup Welding III Welding IV TIG Welding Techniques or MIG Welding Techniques	4 3 3 4 4 4 4	technical career electives rec	uired. An approved apprenticeship or a maximum of 30 semester	hours of
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213	Welding II Applied Welding Theory Welding Power Sources and Setup Welding III Welding IV TIG Welding Techniques or MIG Welding Techniques Welding Metallurgy	4 3 3 4 4 4 4 3	technical career electives rec	uired. An approved apprenticeship or a maximum of 30 semester	hours of
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes	4 3 3 4 4 4 3 2	technical career electives rec	uired. An approved apprenticeship or a maximum of 30 semester	hours of
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 3 2 4	technical career electives rec	uired. An approved apprenticeship or a maximum of 30 semester	hours of
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes	4 3 4 4 4 3 2 4 4 4 5	technical career electives rec	uired. An approved apprenticeship or a maximum of 30 semester	hours of
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 4.5 3	technical career electives red internship, work exp	uired. An approved apprenticeship or a maximum of 30 semester srience credit, or independent study may be part of these 42 hours	hours of
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 4.5 3	technical career electives red internship, work expo	uired. An approved apprenticeship or a maximum of 30 semester prience credit, or independent study may be part of these 42 hours Applications of Technical Communication	hours of 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 4.5 3	TRM 316 TRM 364	puired. An approved apprenticeship or a maximum of 30 semester brience credit, or independent study may be part of these 42 hours Applications of Technical Communication Work Center Management	hours of 3 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 4.5 3	technical career electives red internship, work expo	Applications of Technical Communication Work Center Management Data Applications & Interpretation	hours of 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 4.5 3	TRM 316 TRM 364	auired. An approved apprenticeship or a maximum of 30 semester prience credit, or independent study may be part of these 42 hours Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management	hours of 3 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 4.5 3	TRM 316 TRM 364 TRM 383	Applications of Technical Communication Work Center Management Data Applications & Interpretation	hours of 3 3 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 5 3	TRM 316 TRM 364 TRM 383 TRM 425	auired. An approved apprenticeship or a maximum of 30 semester prience credit, or independent study may be part of these 42 hours Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management	hours of 3 3 3 3 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 5 3	TRM 316 TRM 364 TRM 383 TRM 425 TRM 464 TRM 470	Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management Managing For Quality Project Management	hours of 3 3 3 3 3 3 3 3 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 5 3	TRM 316 TRM 364 TRM 383 TRM 425 TRM 464 TRM 470 TRM Support Courses Select 2:	Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management Managing For Quality Project Management TRM 332; 361; 362; 421; 426; 440	hours of 3 3 3 3 3 3 3 6
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 5 3	TRM 316 TRM 316 TRM 364 TRM 383 TRM 425 TRM 464 TRM 470 TRM 50pport Courses Select 2: Approved Electives	Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management Managing For Quality Project Management TRM 332; 361; 362; 421; 426; 440 300/400 level	hours of 3 3 3 3 3 3 3 6 15
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 5 3	TRM 316 TRM 364 TRM 383 TRM 425 TRM 464 TRM 470 TRM Support Courses Select 2:	Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management Managing For Quality Project Management TRM 332; 361; 362; 421; 426; 440	hours of 3 3 3 3 3 3 3 3 6 15 5 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques	4 3 3 4 4 4 4 3 2 4 4 5 3	TRM 316 TRM 316 TRM 364 TRM 383 TRM 425 TRM 464 TRM 470 TRM 50pport Courses Select 2: Approved Electives	Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management Managing For Quality Project Management TRM 332; 361; 362; 421; 426; 440 300/400 level	hours of 3 3 3 3 3 3 3 6 15
WEL 101 WEL 102 WEL 112 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222 Industrial Technology Electives	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques         Blueprint Reading & Fabrication	4 3 4 4 4 3 2 4 4.5 3 <b>47-48</b>	TRM 316 TRM 364 TRM 383 TRM 425 TRM 464 TRM 470 TRM Support Courses Select 2: Approved Electives TRM 319, 320, 350, 358	Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management Managing For Quality Project Management TRM 332; 361; 362; 421; 426; 440 300/400 level As necessary to meet 42 senior institution hour requirement	hours of 3 3 3 3 3 3 3 3 6 15 5 3
WEL 101 WEL 102 WEL 112 WEL 113 WEL 208 WEL 210 WEL 211 or WEL 212 WEL 213 WEL 214 WEL 215 WEL 222	Welding II         Applied Welding Theory         Welding Power Sources and Setup         Welding III         Welding IV         TIG Welding Techniques or MIG Welding Techniques         Welding Metallurgy         Cutting Processes         Advanced Welding Techniques         Blueprint Reading & Fabrication	4 3 4 4 4 3 2 4 4.5 3 <b>47-48</b>	TRM 316 TRM 316 TRM 364 TRM 383 TRM 425 TRM 464 TRM 470 TRM 50pport Courses Select 2: Approved Electives	Applications of Technical Communication Work Center Management Data Applications & Interpretation Operations Management Managing For Quality Project Management TRM 332; 361; 362; 421; 426; 440 300/400 level As necessary to meet 42 senior institution hour requirement	hours of 3 3 3 3 3 3 3 3 3 6 15 5 3 42