Southwestern Illinois Colleg	ge 2023-2024		Southern Illinois University Carbondale		
AAS Welding - 65 hours				gineering Quality Management Specialization - 120 hrs	;
			University Core Curriculum (UCC) Capst	one Option - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
			CMST 101	Intro:Oral Communication	3
ENG 101	Rhetoric & Composition	3	ENGL 101	English Composition I	Т
			ENGL 102	English Composition II	NA
MATH 112	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	Т
	IAI SOCIAL SCIENCE	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	Т
			SOCIAL SCIENCE		3
	IAI HUMANITIES	3	HUMANITIES	See SIUC Transfer Equivalency Guide	Т
			HUMANITIES		NA
			LIFE SCIENCE		3
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			PHYS 203/253B (Required for BS degree)		4
			FINE ARTS	g	3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		13	MOETIOCETOTOLE		23
		10			23
Program Requirements			Program Requirements		
HES 152	First Aid Medical Self Help	2	i rogram itequirements	1	
WLDT 100	Welding Technology Orientation	0.5	-		
WLDT 100	Introduction to Welding	5	_		
	Principles of Welding	4.5	_		
WLDT 102			-		
WLDT 106	Weld Fabrication Blueprint Reading	3			
WLDT 106 WLDT 152	Weld Fabrication Blueprint Reading All Position Arc Welding	3 5			
WLDT 106 WLDT 152 WLDT 201	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding	3 5 6	The AAS degree in Welding as articulate	ed fulfills the 22 hours of technical electives require	ed for a BS
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding	3 5 6 4		ed fulfills the 22 hours of technical electives require	ed for a B
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC	3 5 6 4 4		ed fulfills the 22 hours of technical electives require anagement and Applied Engineering.	ed for a B\$
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp	3 5 6 4 4 3			ed for a BS
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders	3 5 6 4 4 3 3			ed for a B\$
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation	3 5 6 4 4 3 3 5			ed for a B
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5			ed for a B
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation	3 5 6 4 4 3 3 5 2			ed for a B
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5	in Industrial Ma	anagement and Applied Engineering.	
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2			ed for a B
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma	anagement and Applied Engineering.	
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma	anagement and Applied Engineering. Geometric Dimensioning & Tolerancing	3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes	3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety	3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus	3 3 3 3-4
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating	3 3 3 3-4 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management	3 3 3 3-4 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 377 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership	3 3 3 3-4 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 392 IMAE 442 IMAE 445	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing	3 3 3 3-4 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or - Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management	3 3 3-4 3 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 465	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or - Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing	3 3 3-4 3 3 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 465 IMAE 470A	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I	3 3 3-4 3 3 3 3 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 390 IMAE 442 IMAE 445 IMAE 445 IMAE 465 IMAE 470A IMAE 470B	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II	3 3 3-4 3 3 3 3 3 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 445 IMAE 470 IMAE 470A IMAE 470B IMAE 470B	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	3 3 3-4 3 3 3 3 3 3 3 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 470A IMAE 470B IMAE 476 IMAE 340 - or- PSYC 323	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management Intro to Supervision/Organizational Psychology	3 3 3-4 3 3 3 3 3 3 3 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 445 IMAE 470 IMAE 470A IMAE 470B IMAE 470B	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	3 3 3-4 3 3 3 3 3 3 3 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 470A IMAE 470B IMAE 476 IMAE 340 - or- PSYC 323	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management Intro to Supervision/Organizational Psychology	3 3 3-4 3 3 3 3 3 3 3 3 3 3 3
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107 WLDT 270	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading Robotic Welding & CNC Cutting	3 5 6 4 4 3 3 5 5 2 5 5 5 5 5	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470B IMAE 376 IMAE 376 IMAE 340 -or- PSYC 323 IMAE Electives	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management Intro to Supervision/Organizational Psychology (Must be at 300/400 level)	3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 5 5 5
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading Robotic Welding & CNC Cutting	3 5 6 4 4 3 3 5 2	in Industrial Ma IMAE 110 IMAE 208 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 470A IMAE 470B IMAE 476 IMAE 340 - or- PSYC 323	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management Intro to Supervision/Organizational Psychology (Must be at 300/400 level)	3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 5 5 5
WLDT 106 WLDT 152 WLDT 201 WLDT 251 OR WLDT 252 WLDT 253 WLDT 254 OR WLDT 256 WLDT 255 WLDT 260 WLDT 107 WLDT 270	Weld Fabrication Blueprint Reading All Position Arc Welding Advanced Arc Welding Structural Fabrication Welding OR Pipe Welding GTAW/GMAW/FCAW/PAC Tstg & Insp of Welds OR Qual&Cert Proc-Weld Insp Layout & Fitup for Welders Welding Automation Advanced Blueprint Reading Robotic Welding & CNC Cutting	3 5 6 4 4 3 3 5 5 2 5 5 5 5 5	in Industrial Ma IMAE 110 IMAE 208 IMAE 305 IMAE 307 or MATH 140 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470B IMAE 376 IMAE 376 IMAE 340 -or- PSYC 323 IMAE Electives	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Appl Calc for Tech -or- Short Course in Calculus Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management Intro to Supervision/Organizational Psychology (Must be at 300/400 level)	3 3 3-4 3 3 3 3 3 3 3 3 3 3 3