	EGREE PLAN				
Lake Land College 2021-2022			Southern Illinois University Carbondale BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
AAS Welding - 60.5 hrs					
-			University Core Curriculum (UCC) Capstone	Option - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
ENG 120	Composition I	3	ENGL 101	English Composition I	Т
			ENGL 102	English Composition II	NA
SPE 111	Intro to Speech Communication	3	CMST 101	Intro to Oral Communication	Т
MAT 130	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra	Т
MIAT 130	SOCIAL SCIENCE	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	Ť
	COOM LE CONENCE		SOCIAL SCIENCE	(CCC CICC Equivalency Galacy	3
			HUMANITIES		3
			HUMANITIES		NA NA
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
					NA
			LIFE SCIENCE, GRP II	Students take 2 physics courses	
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		12			16
Program Requirements	Program Requirements Rigging and Hoisting 1				
IND 062	Rigging and Hoisting		-		
MTT 050	Intro to Machining Procedures	3			
SOS 052	Workplace Comunication/Safety	3			
TEC 040	Blueprint Reading for Industry I	2.5			
TEC 043	Industrial Safety	1			
TEC 070	Properties of Metal	2.5			
WEL 047	Shielded Metal Arc Welding I	2			
WEL 048	Shielded Metal Arc Welding II	3			
WEL 049	Shielded Metal Arc Welding III	3			
			l		
IWEL 053				d fulfills the 22 hrs of technical electives required for the BS d	legree in
WEL 053	Gas Tungsten Arc Welding/Aluminum	4		d fulfills the 22 hrs of technical electives required for the BS d I Management & Applied Engineering.	legree in
WEL 054	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel	4 2			legree in
WEL 054 WEL 055	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding	4 2 3			legree in
WEL 054 WEL 055 WEL 056	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication	4 2 3 2			legree in
WEL 054 WEL 055 WEL 056 WEL 057	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals	4 2 3 2 2.5			legree in
WEL 054 WEL 055 WEL 056 WEL 057 WEL 057	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I	4 2 3 2 2.5 2			legree in
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II	4 2 3 2 2.5 2 3			legree in
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding II	4 2 3 2 2.5 2 3 3			legree in
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II	4 2 3 2 2.5 2 3			legree in
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding II	4 2 3 2 2.5 2 3 3			legree in
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3			legree in
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3			legree in
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	Industria	I Management & Applied Engineering. College Physics/Lab	4
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	Industria PHYS 203B/253B IMAE 110	I Management & Applied Engineering. College Physics/Lab Geometric Dimensioning and Tolerancing	4 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	Industria PHYS 203B/253B IMAE 110 IMAE 208	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes	4 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety	4 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus	4 3 3 3 3-4
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323**	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology	4 3 3 3 3-4 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375	College Physics/Lab Cometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management	4 3 3 3 3 3-4 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390	College Physics/Lab College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating	4 3 3 3 3-4 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design	4 3 3 3 3-4 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership	4 3 3 3 3-4 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 392 IMAE 442 IMAE 4445	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing	4 3 3 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management	4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 465	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing	4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 060	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 058 WEL 060 WEL 061	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 465	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing	4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 058 WEL 060 WEL 061	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 450 IMAE 465 IMAE 470A	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 058 WEL 060 WEL 061	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 390 IMAE 392 IMAE 445 IMAE 450 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE 476	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 058 WEL 060 WEL 061	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 450 IMAE 465 IMAE 465 IMAE 470A IMAE 470B	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 058 WEL 060 WEL 061	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding III Gas Tungsten Arc Welding III	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 390 IMAE 392 IMAE 445 IMAE 450 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE 476	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 061 WEL 074	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Tungsten Arc Welding III Welding S.O.E. (Supervised Occupational Experience)	4 2 3 2 2.5 2 3 3 3 3 48.5	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 439 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 476 IMAE Electives	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 061	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Tungsten Arc Welding III Welding S.O.E. (Supervised Occupational Experience)	4 2 3 2 2.5 2 3 3 3 3	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 390 IMAE 392 IMAE 445 IMAE 450 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE 476	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
WEL 054 WEL 055 WEL 056 WEL 057 WEL 058 WEL 059 WEL 060 WEL 061 WEL 074	Gas Tungsten Arc Welding/Aluminum Gas Tungsten Arc Welding/Stainless Steel Pipefitting & Welding Metal Cutting and Fabrication Welding Fundamentals Gas Metal Arc Welding I Gas Metal Arc Welding II Gas Metal Arc Welding III Gas Tungsten Arc Welding Welding So.O.E. (Supervised Occupational Experience)	4 2 3 2 2.5 2 3 3 3 3 48.5	PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 439 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 476 IMAE Electives	College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	4 3 3 3-4 3 3 3 3 3 3 3 3 3 3