PROGRAM ARTICULATION DEGREE PL					
Parkland College	2021-2022		Southern Illinois University Car		
AAS Industrial Technology 70-72 hrs			BS Industrial Maintenance and Ap		
			University Core Curriculum (UC	C) Capstone Option - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
ENG 101	Composition	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
COM 103	Introduction to Public Speaking	3	CMST 101	Intro to Oral Communication	T
MAT 124*	College Algebra	3	MATH 108	College Algebra	T
	IAI Social Science	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 121*	General Physics I	5	PHYS 203A/253A	College Physics/Lab	T
			LIFE SCIENCE GRP II	Students take 2 Physics courses	NA
			FINE ARTS		3
			HEALTH		NA
			MULTICULTURAL		3
*SIUC recommended courses to fulfill BS degree requirements		17			12
Program Requirements			Program Requirements		
CAD 113	Computer-Aided Machine Design I	4		'	
CAD 121	Materials for Industry	3			
CAD 124	Introduction to AutoCAD	3			
MFT 110	Mechanical Assemblies	3			
MFT 113	Intro to Hydraulics and Pneumatics	3			
		1			
MFT 127	Intro to CNC Programming - Turning and Milling	4	Any unarticula	ated courses will be used to satisfy general elective credit	
MFT 127 MFT 128	Intro to CNC Programming - Turning and Milling Quality Assurance	3	Any unarticula	ated courses will be used to satisfy general elective credit	
MFT 127 MFT 128 MFT 131	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing	3	Any unarticula	ated courses will be used to satisfy general elective credit	
MFT 127 MFT 128 MFT 131 MFT 151	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I	3 3 3	Any unarticula	ated courses will be used to satisfy general elective credit	
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II	3 3 3 3	Any unarticula	ated courses will be used to satisfy general elective credit	
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety	3 3 3 3 3	Any unarticula	ated courses will be used to satisfy general elective credit	
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding	3 3 3 3 4	Any unarticula	ated courses will be used to satisfy general elective credit	
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization	3 3 3 3 4 6			
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes	3 3 3 3 4 6	IMAE 209	Manufacturing Process Laboratory	T
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics	3 3 3 3 4 6 3 3	IMAE 209 EET 150	Manufacturing Process Laboratory Intro to EET	Т
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes	3 3 3 3 4 6 3 3 3	IMAE 209	Manufacturing Process Laboratory	
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3	IMAE 209 EET 150 IMAE 208	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes	T
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech	T T
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab	T T 3-4 4
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340*	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision	3-4 4 4
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing	3-4 4 4 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety	3-4 4 4 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt	3-4 4 4 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating	3-4 4 4 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design	3-4 4 4 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating	3-4 4 4 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390 IMAE 392	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design	3-4 4 4 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership	3-4 4 4 3 3 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 442 IMAE 445	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg	3-4 4 4 3 3 3 3 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg Project Management	T T T 3-4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 310 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 465	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg Project Management Lean Manufacturing Six Sigma Green Belt I	3-4 4 4 3 3 3 3 3 3 3 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 465 IMAE 470A IMAE 470B	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II	3-4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 465 IMAE 470A	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg Project Management Lean Manufacturing Six Sigma Green Belt I	3-4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 465 IMAE 470A IMAE 470B	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II	3-4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125** **SIUC recommended concentration cours	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg se to fulfill BS degree requirements	3 3 3 3 4 6 3 3 3 54	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 310 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 445 IMAE 470 IMAE 470A IMAE 470B IMAE 476	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	3-4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 7 7 7 7
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125**	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg se to fulfill BS degree requirements	3 3 3 3 4 6 3 3 3	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 110 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 465 IMAE 470A IMAE 470B	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	3-4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MFT 127 MFT 128 MFT 131 MFT 151 MFT 152 MFT 210 WLD 111 ELECTIVES MFT 121 ELT 150 MFT 125** **SIUC recommended concentration cours	Intro to CNC Programming - Turning and Milling Quality Assurance Intro to Manufacturing Manufacturing Work Experience I Manufacturing Work Experience II Industrial Safety Intro to Welding Choose from area of specialization Basic Machine Processes Intro to Electricity and Electronics Principles and Processes of Modern Mnfg se to fulfill BS degree requirements	3 3 3 3 4 6 3 3 3 54	IMAE 209 EET 150 IMAE 208 MATH 140 -or- IMAE 307 PHYS 203B/253B PSYC 232 -or- IMAE 340* IMAE 310 IMAE 305 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 445 IMAE 470 IMAE 470A IMAE 470B IMAE 476	Manufacturing Process Laboratory Intro to EET Fundamentals of Mfg Processes Short Course in Calculus -or- Applied Calculus for Tech College Physics/Lab Organizational Psychology -or- Introduction to Supervision Geometric Dimensioning & Tolerancing Industrial Safety Production & Inventory Mgmt Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer Integrated Mfg Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management	3-4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3