PROGRAM ARTICULATION DEGRE	LILAN				
Kankakee Community College	2021-2022		Southern Illinois University Carbondale		
AAS Manufacturing Technology: Indu	strial Maintenance Specialization - 63 hrs		BS Industrial Management and Applied Engir	neering (IMAE) - 120 hrs	
			University Core Curriculum (UCC) Capston	ne Option - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
ENGL 1613	English I	3	ENGL 101	English Composition I	Т
			ENGL 102	English Composition II	NA
COMM 1553	Introductory Speech	3	CMST 101	Intro to Oral Communication	Т
MATH 1814*	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	Т
PSYC 1813	Intro to Psychology	3	PSYC 102	Intro to Psychology	Т
1 010 1010	,		SOCIAL SCIENCE	, 3,	3
			HUMANITIES		3
			HUMANITIES		NA
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA
			FINE ARTS	Olduents take 2 physics courses	3
			HEALTH		NA
*D		42	MULTICULTURAL		3
*Recommended to fulfill SIUC BS deg	gree requirements	13			16
Program Requirements			Program Requirements		
BSNS 2423	Internship Experience	3	- 10g.a Requirements		
ELTR 1004	Fundamentals of Electricity	4			ŀ
ELTR 2074	DC & AC Rotating Machines	4			ŀ
ELTR 2414	Industrial Motor Control	4			-
ELTR 2444		4			-
CLIR 2444	Programmable Controllers				-
MACT 4440	lates to Manuel atomic and Octob	•			
MAFT 1112	Intro to Manufacturing and Safety	2			-
MAFT 1222	Quality and Measurement	2	The AAS degree in Manufacturing Techno	ology: Industrial Maintenance specialization as articulated fu	ulfills the 22
MAFT 1222 MAFT 1312	Quality and Measurement Intro to Manufacturing Maintenance	2		ology: Industrial Maintenance specialization as articulated fu	
MAFT 1222 MAFT 1312 MAFT 1323	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview	2 2 3		ology: Industrial Maintenance specialization as articulated fu for the BS degree in Industrial Management and Applied Er	
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I	2 2 3 4			
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II	2 2 3			
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I	2 2 3 4 4			
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II	2 2 3 4 4			
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement	2 2 3 4 4			
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Precision Measurement Lubrication	2 2 3 4 4 1 2			
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding	2 2 3 4 4 1 2 4			
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	hours of technical elective requirements	for the BS degree in Industrial Management and Applied Er	ngineering.
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	hours of technical elective requirements	for the BS degree in Industrial Management and Applied Er	ngineering.
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	hours of technical elective requirements  IMAE 208 (Required for BS degree)	Fundamentals of Manufacturing Processes  College Physics/Lab	T
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	hours of technical elective requirements  IMAE 208 (Required for BS degree)  PHYS 203B/253B	for the BS degree in Industrial Management and Applied Er	ngineering.
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing Industrial Safety	T 4 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus	T 4 3 3 3-4
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323**	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology	T 4 3 3 3-4 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management	T 4 3 3 3-4 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating	T 4 3 3 3 44 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 375 IMAE 375 IMAE 379 IMAE 390 IMAE 392 IMAE 442	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 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 450 IMAE 465	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 375 IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470A	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 375 IMAE 379 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 465 IMAE 470A IMAE 470B	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE 476	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 375 IMAE 379 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 465 IMAE 470A IMAE 470B	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE 476	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MAFT 1222 MAFT 1312 MAFT 1323 MACHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES MAFT 1232	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses Manufacturing Processes	2 2 3 4 4 1 2 4 6 2 <b>51</b>	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE 476	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T  4 3 3 3-4 3 3 3 3 3 3 5 52-53
MAFT 1222 MAFT 1312 MAFT 1323 MCHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses Manufacturing Processes	2 2 3 4 4 1 2 4 6	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE 476	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T 4 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 6
MAFT 1222 MAFT 1312 MAFT 1323 MACHN 1214 MCHN 1224 MCHN 1311 MCHN 1452 WELD 1114 TECHNICAL ELECTIVES MAFT 1232	Quality and Measurement Intro to Manufacturing Maintenance Lean and Quality Overview Machine Tool I Machine Tool II Precision Measurement Lubrication Basic Welding Choose from approved Technology Electives courses Manufacturing Processes	2 2 3 4 4 1 2 4 6 2 <b>51</b>	IMAE 208 (Required for BS degree)  PHYS 203B/253B IMAE 110 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 470B IMAE 476	Fundamentals of Manufacturing Processes  College Physics/Lab Geometric Dimensioning and Tolerancing 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	T  4 3 3 3-4 3 3 3 3 3 3 5 52-53