PROGRAM ARTICULATION DEGR					
Kankakee Community College	2021-2022		Southern Illinois University Carbondale		
AAS Manufacturing Technology: Ma	chine Tool Specialization - 63 hrs		BS Industrial Management and Applied Eng		
			University Core Curriculum (UCC) Caps	one Option - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
ENGL 1613	English I	3	ENGL 101	English Composition I	T
			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
			SOCIAL SCIENCE	,	3
			HUMANITIES		3
			HUMANITIES		
			PHYS 203/253A	College Physics/Lab	
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA 4 NA 3 NA
			·	Students take 2 physics courses	
			FINE ARTS		
			HEALTH		
<u> </u>			MULTICULTURAL		3
*Recommended to fulfill SIUC BS de	egree requirements	13			16
Program Requirements			Program Requirements		
BSNS 2423	Internship Experience	3			
COGT 2114	AutoCAD I	4			
MAFT 1112	Intro to Manufacturing and Safety	2			
MAFT 1222	Quality and Measurement	2			
MAFT 1312	Intro to Manufacturing Maintenance	2			
MAFT 1323	Lean and Quality Overview	3	1		
	Zour and Quanty Overview				
MCHN 1214	Machine Tool I	4			
MCHN 1214 MCHN 1224	Machine Tool II	4	The AAS degree in Manufacturing Tech	nology: Machine Tool specialization as articulated fulfills the	22 hours of
MCHN 1224	Machine Tool II	4		nology: Machine Tool specialization as articulated fulfills the	
MCHN 1224 MCHN 1234	Machine Tool II Machine Tool III	4 4		nology: Machine Tool specialization as articulated fulfills the the BS degree in Industrial Management and Applied Engine	
MCHN 1224 MCHN 1234 MCHN 1311	Machine Tool II Machine Tool III Precision Measurement	4 4 1			
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323	Machine Tool II Machine Tool III Precision Measurement Fabrication	4 4 1 3			
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright	4 4 1 3 2			
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging	4 4 1 3 2 2			
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming	4 4 1 3 2 2 4			
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment	4 4 1 3 2 2 4 3			
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6	technical elective requirements fo	the BS degree in Industrial Management and Applied Engine	ering.
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment	4 4 1 3 2 2 2 4 3 6 2			
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6	technical elective requirements fo	the BS degree in Industrial Management and Applied Engine	ering.
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	technical elective requirements fo	the BS degree in Industrial Management and Applied Engine	ering.
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	technical elective requirements fo	the BS degree in Industrial Management and Applied Engine Fundamentals of Manufacturing Processes	ering.
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	technical elective requirements fo	Fundamentals of Manufacturing Processes College Physics/Lab	ering.
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) PHYS 203B/253B IMAE 110 IMAE 208	Fundamentals of Manufacturing Processes College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes	T 4 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305	Fundamentals of Manufacturing Processes College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety	T 4 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140	Fundamentals of Manufacturing Processes College Physics/Lab Geometric Dimensioning and Tolerancing Manufacturing Processes Industrial Safety Applied Calculus for Tech -or- Short Course in Calculus	T 4 3 3 3 3-4
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) PHYS 203B/253B IMAE 110 IMAE 208 IMAE 305 IMAE 305 IMAE 307 -or- MATH 140 IMAE 307 -or- PSYC 323**	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3 3-4 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) PHYS 203B/253B IMAE 110 IMAE 208 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 Manufacturing Processes 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 3-4 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) PHYS 203B/253B IMAE 110 IMAE 208 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 Manufacturing Processes 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 3-4 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) 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	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3-4 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	technical elective requirements fo	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	technical elective requirements fo	Fundamentals of Manufacturing Processes 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 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) 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	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) 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 450 IMAE 465	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	technical elective requirements fo IMAE 208 (Required for BS degree) 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 450 IMAE 465 IMAE 465 IMAE 470A	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) 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 450 IMAE 465	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	technical elective requirements fo IMAE 208 (Required for BS degree) 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 450 IMAE 465 IMAE 465 IMAE 470A	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	technical elective requirements fo IMAE 208 (Required for BS degree) 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 IMAE 470B	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) 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 470A IMAE 470B IMAE 470B IMAE 476	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) 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 470A IMAE 470B IMAE 470B IMAE 476	Fundamentals of Manufacturing Processes 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	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES MAFT 1232	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses Manufacturing Processes	4 4 1 3 2 2 4 3 6 2 51	IMAE 208 (Required for BS degree) 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 450 IMAE 450 IMAE 465 IMAE 470A IMAE 470B IMAE 470B IMAE Electives	Fundamentals of Manufacturing Processes 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)	T 4 3 3 3 4 3 3 3 3 3 3 3 6 55-56
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses Manufacturing Processes	4 4 1 3 2 2 2 4 3 6 2	IMAE 208 (Required for BS degree) 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 470A IMAE 470B IMAE 470B IMAE 476	Fundamentals of Manufacturing Processes 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)	T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MCHN 1224 MCHN 1234 MCHN 1311 MCHN 1323 MCHN 1432 MCHN 1442 MCHN 2314 WELD 1263 TECHNICAL ELECTIVES MAFT 1232	Machine Tool II Machine Tool III Precision Measurement Fabrication Millwright Rigging Fundamentals of CNC Machining & Programming Metallurgy and Heat Treatment Choose from approved Technology Electives courses Manufacturing Processes	4 4 1 3 2 2 4 3 6 2 51	IMAE 208 (Required for BS degree) 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 450 IMAE 450 IMAE 465 IMAE 470A IMAE 470B IMAE 470B IMAE Electives	Fundamentals of Manufacturing Processes 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)	T 4 3 3 3 4 3 3 3 3 3 3 3 6 55-56