PROGRAM ARTICULATION D					
Harper College 2021-2022			Southern Illinois University Carbondale		
AAS Manufacturing Technology	y - Supply Chain Management/Logistics - 60 hrs		BS Industrial Management and Applied Engi		
			University Core Curriculum (UCC) CAPST	ONE OPTION - 30 hrs	
		Hrs			Hrs
			UNIV 101	Foundations of Inquiry	NA
MTH 103 ENG 101	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra	T
			CMST 101	Intro: Oral Communication	Т
	Composition	3	ENGL 101	English Composition I	Т
			ENGL 102	English Composition II	NA
	IAI Social Science*	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	Т
			SOCIAL SCIENCE	(, , , , , , , , , , , , , , , , , , ,	3
	IAI Humanities*	3	HUMANITIES	(See SIUC Equivalency Guide)	Т
	THE		HUMANITIES	(coo croe Equivalency cultury)	NA.
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			LIFE SCIENCE	Students take 2 physics courses	NA
	IAI Fine Arts*	2	FINE ARTS	(See SIUC Equivalency Guide)	T
	IAI FIIIE AITS	- 3		(See SIDC Equivalency Guide)	
*0	Model Coltones and Disconsite as a disconsult		HUMAN HEALTH		NA
*One course must satisfy a	World Cultures and Diversity requirement		MULTICULTURAL		3
		15			10
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Program Requirements			Program Requirements		
MFT 102	Intro to Manufacturing and Safety	4			
MFT 104	Quality and Measurement	2			
MFT 108	Manufacturing Processes	3			
	Intro to Manufacturing Maintenance	2			
MFT 109					
	Manufacturing Internship				
MFT 119	Manufacturing Internship	2			
MFT 119 SCM 101	Manufacturing Internship Supply Chain Managemet	2		uppy Chain Management/Logistics satisfies the	
MFT 119 SCM 101 SCM 120	Manufacturing Internship Supply Chain Managemet Production Control	3 3		ne BS degree in Industrial Management and App	
MFT 119 SCM 101 SCM 120 SCM 122	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management	2 3 3 3			
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation	2 3 3 3 3		ne BS degree in Industrial Management and App	
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations	2 3 3 3 3 3		ne BS degree in Industrial Management and App	
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement	2 3 3 3 3 3 3		ne BS degree in Industrial Management and App	
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 125 SCM 126	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3		ne BS degree in Industrial Management and App	
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement	2 3 3 3 3 3 3 3 3		ne BS degree in Industrial Management and App	
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 125 SCM 126	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for th	ne BS degree in Industrial Management and App Engineering.	lied
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3	of technical electives required for the	ne BS degree in Industrial Management and App Engineering. College Physics/Lab	elied 4
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of technical electives required for the property of the prope	ne BS degree in Industrial Management and App Engineering. College Physics/Lab Geometric Dimensioning & Tolerancing	d 4 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the period of technical election electi	ne BS degree in Industrial Management and App Engineering. College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes	4 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of technical electives required for the property of the prope	ne BS degree in Industrial Management and App Engineering. College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety	4 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140	ne BS degree in Industrial Management and App Engineering. College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc	4 3 3 3 3-4
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the phys 203/253B IMAE 110 IMAE 208 IMAE 305	ne BS degree in Industrial Management and App Engineering. College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety	4 3 3 3 3-4 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140	ne BS degree in Industrial Management and App Engineering. College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc	4 3 3 3 3-4
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323*	college Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision	4 3 3 3 3-4 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375	college Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech-or- Short Course in Calc Intro to Supervision Production and Inventory Management	4 3 3 3-4 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	PHYS 203/253B IMAE 110 IMAE 208 IMAE 307 IMAE 307 - Or- MATH 140 IMAE 340 - or- PSYC 323* IMAE 395 IMAE 395	college Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating	4 3 3 3 3-4 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of the proper	college Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn Fundamentals of Leadership	4 3 3 3 3-4 3 3 3 3 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	PHYS 203/253B 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	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn Fundamentals of Leadership Computer-Aided Manufacturing	4 3 3 3-4 3 3 3 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	PHYS 203/253B 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 445 IMAE 450	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn Fundamentals of Leadership Computer-Aided Manufacturing Project Management	4 3 3 3-4 3 3 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of the proper	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing	4 3 3 3 3-4 3 3 3 3 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 123 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of the proper	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn 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
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of the proper	college Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn 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
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of the proper	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn 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 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of the proper	college Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II	4 3 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of the proper	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn 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 3-4 3 3 3 3 3 3 3 3 3 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 126 SCM 126 Technical Electives	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning Advanced Planning and Integration	2 3 3 3 3 3 3 3 3 3 3 4 45	of technical electives required for the property of the proper	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn 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 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 126 SCM 226	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning Advanced Planning and Integration	2 3 3 3 3 3 3 3 3 3 8	of technical electives required for the property of the proper	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn 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
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 126 SCM 126 Technical Electives	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning Advanced Planning and Integration	2 3 3 3 3 3 3 3 3 3 3 4 45	of technical electives required for the property of the proper	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn 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
MFT 119 SCM 101 SCM 120 SCM 122 SCM 123 SCM 124 SCM 125 SCM 126 SCM 126 Technical Electives	Manufacturing Internship Supply Chain Managemet Production Control Inventory Management Transportation Warehouse Operations Procurement Demand Planning Advanced Planning and Integration	2 3 3 3 3 3 3 3 3 3 3 4 45	of technical electives required for the property of the proper	College Physics/Lab Geometric Dimensioning & Tolerancing Fundamentals of Mfg Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision Production and Inventory Management Cost Estimating Facilities Plan/Workplace Dsgn 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