PROGRAM ARTICULATION D	EGREE PLAN				
Elgin Community College	2024-2025		Southern Illinois University Carbondale		
AAS Machine Tool Technology	- 62.5 hrs		BS Industrial Management & Applied Engine		
			University Core Curriculum (UCC) Capsto	one Option - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
			CMST 101	Intro:Oral Communication	3
ENG 101	English Composition I	3	ENGL 101	English Composition I	Т
ENG 102	English Composition II	3	ENGL 102	English Composition II	Т
			MATH 108	College Algebra	3
	Social/Behavioral Science	3	SOCIAL SCIENCE	See SIUC Transfer Eequivalency Guide	Т
			SOCIAL SCIENCE		. 3
	Humanities/Fine Arts	3	HUMANITIES	See SIUC Transfer Eequivalency Guide	Т
			HUMANITIES		NA
			PHYS 203A -and- 253A	College Physics w/Lab	4
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		12			22
Program Requirements			Program Requirements		
IMT 103	Industrial Manufacturing Tech I	3	·	·	L
IMT 104	Industrial Manufacturing Tech II	3	1		
IMT 107 -or- MTH 107	Technical Math I -or- Technical Math I	4			
IMT 108	Industrial Manufacturing Tech III	3			
IMT 110	Intro to CNC Programming I	4			
IMT 112	Metrology-The Study of Measurement	3	1		
IMT 119	Fabrication of Machine Parts	3	The AAS degree in Machine Tool Techno	plogy as articulated fulfills the 15 hrs of technical elective of	course requirements for
IMT 203			the BS degree in Industrial Management & Applied Engineering (IMAE).		
11011 203	Manufacturing Process & Design Tech	3	the BS degree	in Industrial Management & Applied Engineering (IMAE).	
IMT 203	Manufacturing Process & Design Tech		the BS degree	in Industrial Management & Applied Engineering (IMAE).	
		3	the BS degree	in Industrial Management & Applied Engineering (IMAE).	
IMT 204	Manufacturing Process & Design Tech Industrial Manufacturing Tech V	3 5	the BS degree	in Industrial Management & Applied Engineering (IMAE).	
IMT 204 IMT 208	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory	3 5 4	the BS degree	in Industrial Management & Applied Engineering (IMAE).	
IMT 204 IMT 208 IMT 209	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory	3 5 4 4	the BS degree	in Industrial Management & Applied Engineering (IMAE).	
IMT 204 IMT 208 IMT 209 IMT 214	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory	3 5 4 4 2	the BS degree	in Industrial Management & Applied Engineering (IMAE).	
IMT 204 IMT 208 IMT 209 IMT 214 IST 121	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems	3 5 4 4 2 3 2.5	the BS degree  ME 102 (elective)	in Industrial Management & Applied Engineering (IMAE).  Computer-Aided Engineering Drawing	Т
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5			Т
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4			T
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)	Computer-Aided Engineering Drawing	
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective) PHYS 203B -and- 253B IMAE 110	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing	4 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes	4 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective) PHYS 203B -and- 253B IMAE 110	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety	4 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes	4 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech	4 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management	4 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating	4 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management	4 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 305  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 390  IMAE 392	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design	4 3 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership	4 3 3 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management	4 3 3 3 3 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 445  IMAE 450  IMAE 465	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 390  IMAE 442  IMAE 445  IMAE 450  IMAE 465  IMAE 470A	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated 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
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 465  IMAE 470A  IMAE 470B	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated 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
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 450  IMAE 470A  IMAE 470B  IMAE 470B  IMAE 476	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated 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
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I	3 5 4 4 2 3 2.5 4	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 450  IMAE 470A  IMAE 470B  IMAE 470B  IMAE 476	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated 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
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101 CAD 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I Intro to Engineering Design	3 5 4 4 2 3 2.5 4 50.5	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 450  IMAE 470A  IMAE 470B  IMAE Elective	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management 300/400 level	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I Intro to Engineering Design	3 5 4 4 2 3 2.5 4 50.5	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 450  IMAE 470A  IMAE 470B  IMAE 470B  IMAE 476	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management 300/400 level	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101 CAD 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I Intro to Engineering Design	3 5 4 4 2 3 2.5 4 50.5	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 450  IMAE 470A  IMAE 470B  IMAE 476  IMAE Elective	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management 300/400 level	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 204 IMT 208 IMT 209 IMT 214 IST 121 WEL 101 CAD 101	Manufacturing Process & Design Tech Industrial Manufacturing Tech V Basic Die Theory Basic Mold Theory Jig & Fixture Theory Fluid Power Systems Welding I Intro to Engineering Design	3 5 4 4 2 3 2.5 4 50.5	ME 102 (elective)  PHYS 203B -and- 253B  IMAE 110  IMAE 208  IMAE 305  IMAE 307  IMAE 340  IMAE 375  IMAE 390  IMAE 392  IMAE 442  IMAE 445  IMAE 450  IMAE 450  IMAE 470A  IMAE 470B  IMAE Elective	Computer-Aided Engineering Drawing  College Physics w/Lab Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management 300/400 level	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3