Elgin Community College 202	GREE PLAN				
	2-2023		Southern Illinois University Carbondal	e	
AAS Industrial Manufacturing Te	chnology - 63-64 hrs		BS Industrial Management & Applied Eng	lineering (IMAE) - 120 hrs	
			University Core Curriculum (UCC) CAP	PSTONE OPTION - 30 hrs	
		Hrs	,		Hrs
		•	UNIV 101	Saluki Success	NA NA
			CMST 101	Intro:Oral Communication	3
ENG 101	English Composition I	3	ENGL 101	English Composition I	
ENG 101	English Composition II	3	ENGL 101	English Composition II	
ENG 102	English Composition II	<u> </u>			
Social/Behavioral Science	(0. 0110.7. (5. 1 . 0 . 1)		MATH 108 (Required for BS degree)	College Algebra	3
Social/Benavioral Science	(See SIUC Transfer Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Transfer Equivalency Guide)	T
Humanities/Fine Arts*			SOCIAL SCIENCE		3
	(See SIUC Transfer Equivalency Guide)	3	HUMANITIES	(See SIUC Transfer Equivalency Guide)	T
			HUMANITIES		NA
			PHYS 203/253A (Required for BS degree		4
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
*Liberal Education Course		12			22
Program Requirements			Program Requirements		
CAD 101	Introduction to Engineering Design	4	1 rogram requirements		
CAD 101	Introduction to Engineering Design Introduction to SolidWorks	3	-		
IMT 103	Industrial Manufacturing Tech I	3			
IMT 104	Industrial Manufacturing Tech II	3			
IMT 107 or MTH 107	Technical Math I or Technical Math I	4			
IMT 108	Industrial Manufacturing Tech III	3		cturing Technology as articulated fulfills the 22 hrs of technic	
IMT 110	Introduction to Cnc Programming I	4	following course requireme	nts for the BS degree in Industrial Management & Applied En	gineering.
IMT 112	Metrology-The Study of Measurement	3			
IMT 204					
	Industrial Manufacturing Tech V	5			
IMT 220	Industrial Manufacturing Tech V Introduction to CNC Programming II	5 4			
IMT 220 IMT 221			_		
	Introduction to CNC Programming II	4			
IMT 221	Introduction to CNC Programming II	4			
IMT 221	Introduction to CNC Programming II	4 4 11-12		College Physics/Lab	4
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B	College Physics/Lab Geometric Dimensioning & Tolerancing	4 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B IMAE 110	Geometric Dimensioning & Tolerancing	3
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B IMAE 110 IMAE 208	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes	3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety	3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc	3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323**	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych	3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management	3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating	3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design	3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	PHYS 203/253B IMAE 110 IMAE 208 IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership	3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design	3 3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership	3 3 3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing	3 3 3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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 IMAE 450	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing	3 3 3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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 IMAE 445 IMAE 450 IMAE 465	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I	3 3 3 3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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 IMAE 445 IMAE 450 IMAE 465 IMAE 470A IMAE 470B	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and 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	3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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 IMAE 445 IMAE 445 IMAE 470B IMAE 470B IMAE 476	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Supply Chain Management	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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 IMAE 445 IMAE 445 IMAE 470B IMAE 476 IMAE Electives	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and 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 (Must be at 300/400 level)	3 3 3 3 3 3 3 3 3 3 3 3
IMT 221	Introduction to CNC Programming II	4 4 11-12	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 IMAE 445 IMAE 445 IMAE 470B IMAE 476 IMAE Electives	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Supply Chain Management	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 221 Industrial Electives	Introduction to CNC Programming II Introduction to CNC Toolpath	4 4 11-12 51-52	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 IMAE 445 IMAE 450 IMAE 465 IMAE 470A IMAE 470B IMAE 476 IMAE Electives **PSYC 323 is an option for on-campus s	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and 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 (Must be at 300/400 level) tudents only & requires PSYC 102 as a prerequisite	3 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 5 5
IMT 221	Introduction to CNC Programming II Introduction to CNC Toolpath	4 4 11-12	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 IMAE 445 IMAE 450 IMAE 465 IMAE 470A IMAE 470B IMAE 470 IMAE 470 IMAE Electives ***PSYC 323 is an option for on-campus s	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and 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 (Must be at 300/400 level) tudents only & requires PSYC 102 as a prerequisite	3 3 3 3 3 3 3 3 3 3 3 3 3
IMT 221 Industrial Electives	Introduction to CNC Programming II Introduction to CNC Toolpath	4 4 11-12 51-52	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 IMAE 445 IMAE 450 IMAE 465 IMAE 470A IMAE 470B IMAE 476 IMAE Electives **PSYC 323 is an option for on-campus s	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech -or- Short Course in Calc Intro to Supervision -or- Organizational Psych Production and 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 (Must be at 300/400 level) tudents only & requires PSYC 102 as a prerequisite	3 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 5 5