PROGRAM ARTICULATION City Colleges of Chicago		$\overline{}$	Southern Illinois Univers	sity Carbondale	1
AAS CNC Engineering Tec		1		it & Applied Engineering (IMAE) - 120 hrs	-
700 Orto Engineering Tec	Jinology 02 m3	Т		um (UCC) - 30 hrs Capstone Option	
	+	Hrs	Chiversity Core Curricul		Hrs
			UNIV 101	Saluki Success	N/
		1	CMST 101	Intro Oral Communication	3
ENGLISH 101	Composition	3	ENGL 101	English Composition I	ΙŤ
211021011101	Composition	├	ENGL 102	English Composition II	N/
MATH 140	College Algebra	4	MATH 108	College Algebra	
	IAI Social & Behavioral Science*	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	Ť
	In a Social & Behavioral Colonice	۱ŭ	SOCIAL SCIENCE	Gee Groo Transier Equivalency Gaide	3
	IAI Humanities/Fine Arts*	3	HUMANITIES	See SIUC Transfer Equivalency Guide	ΙŢ
	7 Transantes/Time / tro	+ -	HUMANITIES	dec 6100 Transier Equivalency Galac	N/
PHYSICS 231	General Physics I	4	PHYS 203A -and- 253A	College Physics w/Lab	T
	General Friysics i	+-	LIFE SCIENCE	College Filysics W/Lab	3
		+	FINE ARTS		3
	+	+	HUMAN HEALTH		N/
	+	+			
	+	17	MULTICULTURAL		3 15
	-	17			13
*At locat 1 accuracy moust	oot Human Divoroity requirements	-			
"At least 1 course must me	eet Human Diversity requirements	-			-
Drogram Doguirements	+	+	Drogram Donniramanta		+
Program Requirements	Lates to Ash so and Manufacturing I	-	Program Requirements		
340 MFGT 105	Intro to Advanced Manufacturing I	3	-		
340 MFGT 106	Intro to Advanced Manufacturing II	3	4		
340 MFGT 107	Intro to Advanced Manufacturing III	3	1		
340 MFGT 108	Robotics I	3			
340 MFGT 109	Intro to Manual Machining	3			
340 MFGT 110	CNC I Operations	3			
340 MFGT 153 -or- 195	Welding I GMAW -or- Manual Machining II	3	The AAS degree in CNC	Engineering Technology as articulated fulfills the	15 hrs
340 MFGT 160	CNC II Operations & Programming	3	of technical elective	e course requirements for the BS degree in Industri	al
340 MFGT 170	CADI	3	Mana	agement & Applied Engineering (IMAE).	
340 MFGT 171	Automated Metrology-Quality Assurance	3		3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	
340 MFGT 172	Quality Systems I	3	1		
340 MFGT 209	Computer Aided Manufacturing (CAM) I	3			
340 MFGT 210	Automated Fabrication I	3			
340 MFGT 260	CNC III - Advanced Operations	3	1		
340 MFGT 274	Materials II - Testing & Analysis	3	1		
	Materials II Testing & Allarysis	45		1	
		45	DHV9 202B and 252B	Collogo Physics w/Lah	
		43	PHYS 203B -and- 253B	College Physics w/Lab	4
		45	IMAE 110	Geometric Dimensioning & Tolerancing	3
		43	IMAE 110 IMAE 208	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes	3 3
		45	IMAE 110 IMAE 208 IMAE 305	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety	3 3 3
		45	IMAE 110 IMAE 208 IMAE 305 IMAE 307	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech	3 3 3 3
		45	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision	3 3 3 3
		43	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management	3 3 3 3 3
		45	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390	Geometric Dimensioning & Tolerancing Fundamentals of Manufacturing Processes Industrial Safety Applied Calc for Tech Intro to Supervision Production & Inventory Management Cost Estimating	3 3 3 3 3 3
		45	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392	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	3 3 3 3 3 3 3
		40	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390	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	3 3 3 3 3 3 3 3
		40	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392	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	3 3 3 3 3 3 3 3 3 3
		40	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442	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	3 3 3 3 3 3 3 3
		40	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445	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	3 3 3 3 3 3 3 3 3 3
		40	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 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 Intro to Supervision Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management	3 3 3 3 3 3 3 3 3 3 3 3 3
		40	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 465	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
		40	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	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
		43	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 465 IMAE 465 IMAE 470A IMAE 470B IMAE 476	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
		43	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	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
		43	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 465 IMAE 465 IMAE 470A IMAE 470B IMAE 476	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Total semester hrs comp	lated with AAS degree:		IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 470A IMAE 470B IMAE 476 IMAE Elective	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Total semester hrs comp	leted with AAS degree:	62	IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 465 IMAE 465 IMAE 470A IMAE 470B IMAE 476	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Total semester hrs comp	leted with AAS degree:		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	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 6 7
Total semester hrs comp	leted with AAS degree:		IMAE 110 IMAE 208 IMAE 305 IMAE 307 IMAE 340 IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 445 IMAE 470A IMAE 470B IMAE 476 IMAE Elective	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
			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	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 6 7
Total semester hrs comp			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	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 6 7
			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	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	3 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 5 6 7