I NOGRAW AN HOULAHUN	DEGREE PLAN				
City Colleges of Chicago 2	021-2022		Southern Illinois University Carbondale		
AAS CAD Technology - 60+ h	nours		BS Industrial Management and Applied Eng	ineering (IMAE) - 120 hrs	
			University Core Curriculum (UCC) Capsto	one Option - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
			CMST 101	Intro to Oral Communication	3
ENGLISH 101	Composition	3	ENGL 101	English Composition I	Т
			ENGL 102	English Composition II	NA
MATH 140	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	Т
	Conogo / ngobra		SOCIAL SCIENCE	Conogo / agobra	3
			SOCIAL SCIENCE		3
	IAI HUMANITIES or FINE ARTS	3	HUMANITIES	(See SIUC Equivalency Guide)	T
		5	HUMANITIES	(See Side Equivalency Guide)	NA
PHYSICS 231	General Physics I: Mechanics & Wave Motion	4	PHYS 203/253A (Required for BS degree)	College Physics/Lab	T
PH15IC5 231	General Physics I. Mechanics & Wave Motion	4	LIFE SCIENCE	Students take 2 physics courses	NA
				Students take 2 physics courses	
					3
					NA
			MULTICULTURAL		3
		14			15
Description of the second s			Description of		
Program Requirements			Program Requirements		
CAD TEC 130	CAD Technology I	3	_		
CAD TEC 170	CAD Technology II	3			
CAD TEC 171	CAD Technology III	3			
CAD TEC 172	CAD Technology IV	3			
CIS 103	Fundamentals of Programming	3			
CIS 116	Operating System I	3			
CIS 120	Intro to Microcomputers	3			
CIS 123	Microcomputer Spreadsheets	3	The AAS degree in CAD Technology as	articulated fulfills the 22 hours of technical electives re-	quired for the BS
ENGR 100	Elements of Engineering Drawing	3	degree in Indus	trial Management and Applied Engineering (IMAE).	
ENGR 110	Introductory Drafting	2	-		
ENGR 111	Intro to the Engineering Profession	2	-		
ENGR 131	Engineering Graphics & Intro to Design	3	-		
ENGR 132	Descriptive Geometry	3	-		
ENGR 190	Computer Applications in Engineering	3			
ENGR 202	Advanced Drafting & Basic Machine Design	3	-		
MATH 141	Plane Trigonemetry	3			
MATH 141	Fiane migonementy	46			
		40	PHYS 203/253B	College Dhysics/Leb	4
			IMAE 110	College Physics/Lab	
				Geometric Dimensioning & Tolerancing	3
			IMAE 208 IMAE 305	Fundamentals of Manufacturing Processes	3
		1		Industrial Safety	
				Applied Cale for Teah on Chart Course in Cale	
			IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc	3-4
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323*	Intro to Supervision -or- Organizational Psychology	3-4 3
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375	Intro to Supervision -or- Organizational Psychology Production & Inventory Management	3-4 3 3
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375 IMAE 390	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating	3-4 3 3 3
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375 IMAE 390 IMAE 392	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design	3-4 3 3 3 3
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375 IMAE 390 IMAE 392 IMAE 442	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership	3-4 3 3 3 3 3 3
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing	3-4 3 3 3 3 3 3 3 3 3
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375 IMAE 390 IMAE 392 IMAE 442	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership	3-4 3 3 3 3 3 3
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing	3-4 3 3 3 3 3 3 3 3 3
	Image: Constraint of the second of		IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management	3-4 3 3 3 3 3 3 3 3 3 3 3
			IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323* IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing	3-4 3 3 3 3 3 3 3 3 3 3 3 3 3
	Image: Constraint of the sector of		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 470A	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II	3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	Image: Constraint of the sector of		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 470A IMAE 470B	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management	3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
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	Image: Constraint of the sector of		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 450 IMAE 470A IMAE 470B IMAE 470B	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management	3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Total semester hrs complete	ed w/ AAS degree	60	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	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	3-4 3 3 3 3 3 3 3 3 3 3 3 3 55-56
Total semester hrs complet	ed w/ AAS degree	60	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 450 IMAE 470A IMAE 470B IMAE 470B	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 5 5 6
Total semester hrs complete	ed w/ AAS degree	60	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	Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Plan/Workplace Design Fundamentals of Leadership Computer-Aided Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level)	3-4 3 3 3 3 3 3 3 3 3 3 3 3 55-56