PROGRAM ARTICULATION DEGR City Colleges of Chicago (Daley)	2024-2025		Southern Illinois Univer	sity Carbondale	
AAS Mechatronics Engineering Tech			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
The mechanomics Engineering Tech			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs University Core Curriculum (UCC) - 30 hrs Capstone Option		1
	- <u>-</u>	Hrs	University core curricu	ium (OCC) - 30 his capsione option	Ц
		Hrs		Calulii Curaaaa	H
			UNIV 101	Saluki Success	N
		<u> </u>	CMST 101	Intro Oral Communication	3
ENGLISH 101	Composition	3	ENGL 101	English Composition I	1
			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	
		1	SOCIAL SCIENCE		
	IAI Humanities/Fine Arts*	3	HUMANITIES	See SIUC Transfer Equivalency Guide	-
		- U	HUMANITIES		N
PHYSICS 231	General Physics I	4	PHYS 203A -and-253A	College Physics w/Lab	
		4		College Physics W/Lab	3
		<u> </u>	LIFE SCIENCE		
			FINE ARTS		
			HEALTH		N
			MULTICULTURAL		;
		17			1
*At least 1 course must meet Humar	Diversity requirements				
		<u>+</u>			
Program Requirements	+	<u> </u>	Program Requirements		
	Intro to Advanced Manufacturing I	<u> </u>	r ogram keyunements		
340 MFGT 105	Intro to Advanced Manufacturing I	3	4		
340 MFGT 106	Intro to Advanced Manufacturing II	3	4		
340 MFGT 107	Intro to Advanced Manufacturing III	3	4		
340 MFGT 108	Robotics I	3]		
340 MFGT 109	Intro to Manual Machining	3			
340 MFGT 110	CNC I Operations	3	1		
340 MFGT 153 -or- 195	Welding I GMAW -or- Manual Machining II		The AAS degree in Me	chatronics Engineering Technology as articulated	fulfills
340 MFGT 188	Industrial Electricity I	3		ical elective course requirements for the BS degree	
	Industrial Electricity II - Motors				
340 MFGT 189	Industrial Electricity II - Motors	3	Industrial	Management & Applied Engineering (IMAE).	
340 MFGT 208	Robotics II - Robotic Integration	3			
340 MFGT 209	Computer Aided Manufacturing (CAM) I	3			
340 MFGT 287	Maintenance Technologies I	3			
340 MFGT 288	Industrial Electricity III - PLC's I	3			
340 MFGT 289	Industrial Electricity IV - PLC's II	3			
340 MFGT 290	Process Technology I	3			
340 Mil 01 230		45		1	
		45			
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	:
			IMAE 208	Fundamentals of Manufacturing Processes	:
			IMAE 305	Industrial Safety	:
			IMAE 307	Applied Calc for Tech	:
			IMAE 340	Intro to Supervision	:
		-	IMAE 375	Production & Inventory Management	
		-	IMAE 390	Cost Estimating	
		<u> </u>	IMAE 392	Facilities Planning & Workplace Design	:
			IMAE 442	Fundamentals of Leadership	:
			IMAE 445	Computer Integrated Manufacturing	:
			IMAE 450	Project Management	
		Γ	IMAE 465	Lean Manufacturing	
	1	1	IMAE 470A	Six Sigma Green Belt I	
	+	<u> </u>	IMAE 470B	Six Sigma Green Belt II	:
		<u> </u>	-	Supply Chain Management	
			IMAE 476		:
		-			
			IMAE Elective	300/400 level	
			IMAE Elective	300/400 level	{
Fotal semester hrs completed wit	1 AAS degree:	62	IMAE Elective		
Total semester hrs completed with	n AAS degree:	62			
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Total semester hrs completed wit Degree Plan updated on 5/17/24 by		62	Total semester hrs com		6
		62	Total semester hrs com		6
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		62	Total semester hrs com		e
Total semester hrs completed wit Degree Plan updated on 5/17/24 by		62	Total semester hrs com		6