

PROGRAM ARTICULATION DEGREE PLAN			
College of Lake County 2024-2025		Southern Illinois University Carbondale	
AAS Mechanical Engineering Technology - 64 hrs		BS Industrial Management & Applied Engineering (IMAE) - 120 hrs	
		University Core Curriculum (UCC) Capstone Option - 30 hrs	
		Hrs	Hrs
		UNIV 101	Saluki Success
CMM 121	Fundamentals of Speech	3	CMST 101
ENG 121	English Composition I	3	ENGL 101
			ENGL 102
MTH 144	Precalculus	5	MATH 111 (sub for MATH 108)
	IAI Social & Behavioral Sciences	3	SOCIAL SCIENCE
			SOCIAL SCIENCE
	IAI Humanities/Fine Arts	3	HUMANITIES
			HUMANITIES
PHY 121	General Physics	5	PHYS 203A -and 253A
			LIFE SCIENCE
			FINE ARTS
			HUMAN HEALTH
			MULTICULTURAL
		22	
			12
<b>Program Requirements</b>		<b>Program Requirements</b>	
ARM 151, 152 -and- 153	Mechanical Systems I, II & III	3	The AAS degree in Mechanical Engineering Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).
ARM 155	STEM Workplace Professional Skills	1	
ARM 156, 157 -and- 158	Electrical Systems I, II & III	3	
ARM 171, 172 -and- 173	Automation I, II & III	3	
ARM 191, 192 -and- 193	Pneumatics & Hydraulics I, II & III	3	
ARM 242	Reverse Engineering of Mechanical Systems	3	
CLC 120	College Success Seminar	2	
MET 212	Mechanisms	4	
MET 214	Mechanical Design & Drafting	3	
MET 215	Machine Design	5	
MET 216	Applied Finite Element Analysis	3	
PMT 114	Machining Processes	3	
EGR 121	Engineering Graphics	3	
MET 111	Manufacturing Processes	3	
		42	
			ME 102 (elective)
			Computer-Aided Engineering Drawing
			IMAE 208
			Fundamentals of Manufacturing Processes
			PHYS 203B -and- 253B
			College Physics w/Lab
			IMAE 110
			Geometric Dimensioning & Tolerancing
			IMAE 305
			Industrial Safety
			IMAE 307
			Applied Calc for Tech
			IMAE 340
			Intro to Supervision
			IMAE 375
			Production & Inventory Management
			IMAE 390
			Cost Estimating
			IMAE 392
			Facilities Planning & Workplace Design
			IMAE 442
			Fundamentals of Leadership
			IMAE 445
			Computer Integrated Manufacturing
			IMAE 450
			Project Management
			IMAE 465
			Lean Manufacturing
			IMAE 470A
			Six Sigma Green Belt I
			IMAE 470B
			Six Sigma Green Belt II
			IMAE 476
			Supply Chain Management
			IMAE Elective
			300/400 level
			49
<b>Total semester hrs completed w/AAS degree:</b>		<b>64</b>	<b>Total semester hrs completed with BS degree:</b>
			<b>61</b>
			<b>Total hours to BS degree:</b>
			<b>125</b>
Degree Plan updated on 6/6/24 by SG			