

PROGRAM ARTICULATION DEGREE PLAN										
Illinois Eastern Community College 2022-2023				Southern Illinois University Carbondale						
AAS Industrial Maintenance Technology - 60 hrs				BS Industrial Management and Applied Engineering (IMAE) - 120 hrs						
				UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs						
			Hrs			Hrs				
ENG 1111	Composition I	3	UNIV 101	Foundations of Inquiry	NA					
			ENGL 101	English Composition I	T					
SPE 1101	Fundamentals of Effective Speaking	3	ENGL 102	English Composition II	NA					
			CMST 101	Intro to Oral Communication	T					
	IAI Social Science* -OR-	3	MATH 108	College Algebra	3					
			SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T					
	IAI Humanities*		SOCIAL SCIENCE		3					
			HUMANITIES		T					
			HUMANITIES		NA					
			PHYS 203A/253A	College Physics/Lab	4					
			LIFE SCIENCE	Students take 2 physics courses	NA					
			FINE ARTS		3					
			HUMAN HEALTH		NA					
			MULTICULTURAL		3					
*The Humanities or Social Science Elective must satisfy the IECC Human Diversity Requirement										
			9			16				
Program Requirements				Program Requirements						
Elective	General Education Elective	3	<p>The AAS degree in Industrial Maintenance Technology as articulated fulfills the 22 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE). Any unarticulated courses will satisfy general elective credit.</p>							
Choose C501 or C507 Certificate										
C501 Certificate										
INM 1200	Mechanics	3								
INM 1206	Intro to Industrial Maintenance Technology	2								
INM 1210	Blueprints and Schematics	3								
INM 2210	Occupational Safety (OSHA)	1								
INM 2228	Lean Manufacturing	3								
C507 Certificate										
INM 2206	Programmable Controllers I	3								
INM 2207	Robotics Technology	3								
INM 2208	Programmable Controllers II	3								
INM 2211	Mechatronics I	4								
INM 2212	Programmable Controllers III	3								
MTH 1201	Technical Math	4								
C502 Certificate										
INM 1212	CPT Safety	3								
INM 1213	CPT Quality	3								
INM 1214	CPT Manufacturing Process	3								
INM 1215	CPT Maintenance Awareness	3								
C503 Certificate										
EGR 1131	Engineering Graphics and Design	3								
INM 1205	Fluid Power	3								
INM 2200	Electo-Mechanics I	5								
INM 2205	Electo-Mechanics II	5								
							51			
							PHYS 203B/253B	College Physics/Lab	4	
							IMAE 110	Geometric Dimensioning and Tolerancing	3	
							IMAE 208	Manufacturing Processes	3	
							IMAE 305	Industrial Safety	3	
			IMAE 307 -or- MATH 140	Applied Calculus for Technology -or- Short Course in C	3-4					
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psychology	3					
			IMAE 375	Production & Inventory Management	3					
			IMAE 390	Cost Estimating	3					
			IMAE 392	Facilities Planning & Workplace Design	3					
			IMAE 442	Fundamentals of Leadership	3					
			IMAE 445	Computer Integrated Manufacturing	3					
			IMAE 450	Project Management	3					
			IMAE 465	Lean Manufacturing	3					
			IMAE 470A	Six Sigma Green Belt I	3					
			IMAE 470B	Six Sigma Green Belt II	3					
			IMAE 476	Supply Chain Management	3					
			IMAE Electives	(Must be at 300/400 level)	6					
						55-56				
Total semester hrs completed w/ AAS degree			60	Total semester hrs completed with BS degree:		71-72				
Degree Plan updated on 8/10/2022 by SW			Total semester hours to BS Degree			131-132				
			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite							