

PROGRAM ARTICULATION DEGREE PLAN				
Kankakee Community College 2021-2022		Southern Illinois University Carbondale		
AAS Manufacturing Technology: Industrial Maintenance Specialization - 63 hrs		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
		University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs	Hrs	
ENGL 1613	English I	3	UNIV 101 Saluki Success ENGL 101 English Composition I ENGL 102 English Composition II	
COMM 1553	Introductory Speech	3	CMST 101 Intro to Oral Communication	
MATH 1814*	College Algebra	4	MATH 108 (Required for BS degree) College Algebra	
PSYC 1813	Intro to Psychology	3	PSYC 102 Intro to Psychology	
			SOCIAL SCIENCE 3	
			HUMANITIES 3	
			HUMANITIES NA	
			PHYS 203/253A (Required for BS degree) College Physics/Lab 4	
			LIFE SCIENCE, GRP II Students take 2 physics courses NA	
			FINE ARTS 3	
			HEALTH NA	
			MULTICULTURAL 3	
*Recommended to fulfill SIUC BS degree requirements		13	16	
Program Requirements		Program Requirements		
BSNS 2423	Internship Experience	3	<p>The AAS degree in Manufacturing Technology: Industrial Maintenance specialization as articulated fulfills the 22 hours of technical elective requirements for the BS degree in Industrial Management and Applied Engineering.</p>	
ELTR 1004	Fundamentals of Electricity	4		
ELTR 2074	DC & AC Rotating Machines	4		
ELTR 2414	Industrial Motor Control	4		
ELTR 2444	Programmable Controllers	4		
MAFT 1112	Intro to Manufacturing and Safety	2		
MAFT 1222	Quality and Measurement	2		
MAFT 1312	Intro to Manufacturing Maintenance	2		
MAFT 1323	Lean and Quality Overview	3		
MCHN 1214	Machine Tool I	4		
MCHN 1224	Machine Tool II	4		
MCHN 1311	Precision Measurement	1		
MCHN 1452	Lubrication	2		
WELD 1114	Basic Welding	4		
TECHNICAL ELECTIVES	Choose from approved Technology Electives courses	6		
MAFT 1232	Manufacturing Processes	2		
		51		IMAE 208 (Required for BS degree) Fundamentals of Manufacturing Processes T
				PHYS 203B/253B College Physics/Lab 4
			IMAE 110 Geometric Dimensioning and Tolerancing 3	
			IMAE 305 Industrial Safety 3	
			IMAE 307 -or- MATH 140 Applied Calculus for Tech -or- Short Course in Calculus 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-Aided 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	
			52-53	
Total semester hrs completed w/ AAS degree		64	68-69	
		Total semester hours to BS degree:		
			132-133	
Degree Plan created on 2/18/2022 by SW		**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		