

PROGRAM ARTICULATION DEGREE PLAN							
Lake Land College		2021-2022		Southern Illinois University Carbondale			
AAS Mechanical-Electrical Technology - 64 hrs				BS Industrial Management and Applied Engineering (IMAE) - 120 hrs			
				University Core Curriculum (UCC) Capstone Option - 30 hrs			
			Hrs				Hrs
ENG 120	Composition I	3	UNIV 101	Saluki Success			NA
			ENGL 101	English Composition I			T
			ENGL 102	English Composition II			NA
			CMST 101	Intro to Oral Communication			3
MAT 130	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra			T
	SOCIAL SCIENCE	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)			T
	ECONOMICS ELECTIVE	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)			T
			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
			HUMAN HEALTH				NA
			MULTICULTURAL				3
		12					16
Program Requirements			Program Requirements				
APT 050	Electrical Principles and Practices	4	The AAS degree in Mechanical-Electrical Technology as articulated fulfills the 22 hrs of technical electives required for the BS degree in Industrial Management & Applied Engineering.				
APT 051	Solid State Devices & Applications	4					
CAD 056	CAD I	2					
CIM 060	CNC Machining	3					
CIS 068	Computer Applications-Special Topics	2					
EET 072	Relays and Control Circuits	2					
EET 086	Programmable Logic Controllers I	2					
IND 043	Refrigeration Fundamentals	4					
IND 044	Fluid Power	3					
IND 052	Electrical Installation Procedures	2.5					
IND 054	Trouble Shooting & Previous Maintenance	3					
MET 043	Motors and Generators (Module I)	2.5					
MET 084	Technical Mechanisms	3					
MTT 050	Introduction to Machining Procedures	3					
TEC 040	Blueprint Reading for Industry I	2.5					
WEL 057	Welding Fundamentals	2.5					
Career Electives	Choose from approved courses	4					
MAT 211	Math Analysis	4	MATH 140 (Fulfills BS degree requirement)	Short Course in Calculus		T	
		53	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 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	
Total semester hrs completed w/ AAS degree:			65	Total semester hrs completed w/ BS degree:			68
Degree Plan created on 2/25/2022 by SW			Total semester hrs to BS degree:			133	
			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite				