

PROGRAM ARTICULATION DEGREE PLAN			
Lake Land College		2021-2022	Southern Illinois University Carbondale
AAS Applied Engineering Technology - 62 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
COM 111	Intro to Speech Communication	3	ENGL 102 English Composition II NA
MAT 130	College Algebra	3	CMST 101 Intro to Oral Communication T
	SOCIAL SCIENCE	3	MATH 108 (Required for BS degree) College Algebra T
			SOCIAL SCIENCE (See SIUC Equivalency Guide) T
			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
			HUMAN HEALTH NA
			MULTICULTURAL 3
		12	16
Program Requirements		Program Requirements	
APT 042	Applied Mathematics II	2	The AAS degree in Applied Engineering Technology as articulated fulfills the 22 hours of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering.
APT 043	Applied Mathematics III	2	
APT 050	Electrical Principles and Practices	4	
APT 051	Solid State Devices & Applications	4	
CAD 056	CAD I	2	
CAD 060	3D Solid Modeling	3	
EET 048	Digital Circuits	3	
EET 056	Electronic Circuit Design/Fabrication	3	
EET 057	Computer Systems	3	
EET 075	HMI-Human Machine Interface	2	
EET 076	Digital Logic	3	
EET 078	Applied Amplifier Circuits	3	
EET 081	Physical Computing W/Rasp PI	3	
EET 085	STEM Projects	2	
EET 086	Programmable Logic Controllers 1	2	
IND 044	Fluid Power	3	
MET 084	Technical Mechanisms	3	
Career Elective	Choose from Approved Electives	3	
		50	
			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 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
			55-56
Total semester hrs completed w/ AAS degree:		62	Total semester hrs completed w/ BS degree:
			71-72
Degree plan created on 2/25/2022 by SW		Total semester hrs to BS degree:	
			136-137
		**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite	