

PROGRAM ARTICULATION DEGREE PLAN								
College of Lake County 2021-2022				Southern Illinois University Carbondale				
AAS Electrical Engineering Technology - 69 hrs				BS Industrial Management and Applied Engineering (IMAE) - 120 hrs				
				University Core Curriculum (UCC) Capstone Option - 30 hrs				
		Hrs		Hrs				
			UNIV 101	Saluki Success	NA			
CMM 121	Fundamentals of Speech	3	CMST 101	Intro to Oral Communication	T			
ENG 121	English Composition I	3	ENGL 101	English Composition I	T			
			ENGL 102	English Composition II	NA			
MTH 144	Precalculus	5	MATH 111	Precalculus	T			
ECO 221	Principles of Macroeconomics	3	ECON 241	Intro to Macroeconomics	T			
SOC 121	Introduction to Sociology	3	SOC 108	Introduction to Sociology	T			
PHI 122	Logic	3	PHIL 105	Elementary Logic	T			
			HUMANITIES		NA			
PHY 121	General Physics I	5	PHYS 203/253A (Required for BS degree)	College Physics/Lab	T			
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA			
			FINE ARTS		3			
			HUMAN HEALTH		NA			
			MULTICULTURAL		3			
		<b>25</b>			<b>6</b>			
<b>Program Requirements</b>		<b>Program Requirements</b>						
CLC 120	College Success Seminar	2	The AAS degree in Electrical Engineering Technology as articulated fulfills the 22 hrs of technical electives and the following course requirements for the BS degree in Industrial Management & Applied Engineering.					
EET 113	Solid State Electronics	4						
EET 115	Electronic Laboratory Techniques	2						
EET 170	DC Circuit Fundamentals	2						
EET 174	AC Fundamentals	2						
EET 176	Circuit Analysis and Network Theorems	4						
EET 211	Advanced Solid State Electronics	4						
EET 216	Microprocessors I	4						
EET 223	Introduction to Digital Electronics	4						
EET 230	Electrical Machinery	3						
ELECTIVE	Approved Technical Elective	3						
MTH 145	Calculus and Analytical Geometry I	5				MATH 150	Calculus I	T
PHY 122	General Physics II	5				PHYS 203/253B	College Physics II/Lab	T
PSY 122	Industrial/Organizational Psychology	3	PSYC 323	Organizational Psychology	T			
		<b>47</b>						
			IMAE 110	Geometric Dimensioning & Tolerancing	3			
			IMAE 208	Fundamentals of Manufacturing Processess	3			
			IMAE 305	Industrial Safety	3			
			IMAE 307	Applied Calc for Tech	3			
			IMAE 375	Production and 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			
					<b>48</b>			
<b>Total semester hrs completed w/ AAS degree</b>		<b>72</b>	<b>Total semester hrs completed w/ BS degree</b>		<b>54</b>			
			<b>Total hours to BS degree:</b>		<b>126</b>			
Degree plan updated by SW 11/30/2021								