

PROGRAM ARTICULATION DEGREE PLAN					
<b>College of Lake County</b>	<b>2024-2025</b>		<b>Southern Illinois University Carbondale</b>		
AAS Electrical Engineering Technology - 70-72 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
			<b>University Core Curriculum (UCC) Capstone Option - 30 hrs</b>		
		<b>Hrs</b>			<b>Hrs</b>
			UNIV 101	Saluki Success	NA
CMM 121	Fundamentals of Speech	3	CMST 101	Intro to Oral Communication	T
ENG 121 (sub for ENG 120)	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 -or- 222	Principles of Macroeconomics -or- Principles of Microeconomics	3	ECON 241 -or- 240	Intro to Macroeconomics -or- Intro to Microeconomics	T
SOC 121	Intro to Sociology	3	SOC 108	Intro to Sociology	T
PHI 122	Logic	3	PHIL 105	Elementary Logic	T
			HUMANITIES		NA
PHY 121	General Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		<b>25</b>			<b>9</b>
<b>Program Requirements</b>			<b>Program Requirements</b>		
CLC 120	College Success Seminar	2	<b>The AAS degree in Electrical Engineering Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management &amp; Applied Engineering (IMAE).</b>		
EET 113	Solid State Electronics	4			
EET 170	DC Circuit Fundamentals	2			
EET 174	AC Fundamentals	2			
EET 176	Circuit Analysis & Network Theorems	4			
Approved Technical Electives	Select from list of approved courses	6-8			
EET 115	Electronic Laboratory Techniques	2	EET 150 (elective)	Intro to Electrical Engineering Technology	T
EET 211	Advanced Solid State Electronics	4	EET 2XX (elective)	EET Technical Elective 200-level	T
EET 216	Microprocessors I	4	EET 238 (elective)	Digital System Fundamentals	T
EET 223	Intro to Digital Electronics	4	EET 238 (elective)	Digital System Fundamentals	T
EET 230	Electrical Machinery	3	EET 2XX (elective)	EET Technical Elective 200-level	T
MTH 145	Calculus & Analytic Geometry I	5	MATH 150 (elective)	Calculus I	T
PSY 122	Industrial/Organizational Psychology	3	PSYC 323 (elective)	Organizational Psychology	T
		<b>45-47</b>			
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307	Applied Calc for Tech	3
			IMAE 340	Intro to Supervision	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 Elective	300/400 level	3
					<b>52</b>
<b>Total semester hrs completed w/AAS degree:</b>		<b>70-72</b>	<b>Total semester hrs completed w/BS degree:</b>		<b>61</b>
			<b>Total hours to BS degree:</b>		<b>131-133</b>
<i>Degree plan updated on 5/24/24 by SG</i>					