

PROGRAM ARTICULATION DEGREE PLAN								
College of DuPage		2024-2025		Southern Illinois University Carbondale				
AAS Electrician Apprenticeship - 68-71 hrs				BS Industrial Management & Applied Engineering (IMAE) - 120 hrs				
				University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs				
		Hrs		Hrs				
			UNIV 101	Saluki Success	NA			
SPEEC 1100	Fundamentals of Speech Communication	3	CMST 101	Intro to Oral Communication	T			
ENGLI 1101	English Composition I	3	ENGL 101	English Composition I	T			
			ENGL 102	English Composition II	NA			
MATH 1431	Precalculus I	3	MATH 108	College Algebra	T			
PSYCH 1100	General Psychology	3	PSYC 102	Intro to Psychology	T			
			SOCIAL SCIENCE		3			
	Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T			
			HUMANITIES		NA			
PHYSI 1201	General Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	T			
			LIFE SCIENCE		3			
			FINE ARTS		3			
			HUMAN HEALTH		NA			
	Multicultural	3	MULTICULTURAL	See SIUC Transfer Equivalency Guide	T			
		23			9			
Program Requirements		Program Requirements						
ELECT 1101	Circuits I	3	<p align="center">An AAS in Electrician Apprenticeship as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).</p>					
ELECT 1120	Electronic Documentation & Fabrication	2						
ELECT 1130	Electronics Materials & Fabrication	2						
ELECT 1151	Electronic Devices & Applications	4						
ELECT 2220	Elec Instruments Measurements & Control	3						
ELMEC 1110	Motor & Generator Fundamentals	3						
ELMEC 1150	National Electrical Code	3						
ELMEC 2860	Internship (Career & Technical Ed)	1-4						
ELMEC 2863	Internship (Career & Technical Ed)	3						
ELMEC 2864	Internship (Career & Technical Ed)	4						
MANUF 1101	Industrial Design/CAD	3						
MANUF 2280	Industrial Safety	2						
ELECT 1100	Electricity & Electronics Fundamentals	3				EET 150 (elective)	Intro to Electrical Engineering Technology	T
ELECT 1141	Digital Fundamentals	3				EET 238 (elective)	Digital System Fundamentals	T
ELMEC 1130	Industrial Electricity	3				EET 1XX (elective)	EET Tech Elective 100-level	T
ELMEC 1190	Intro to Programmable Logic Controllers	3	EET 1XX (elective)	EET Tech Elective 100-level	T			
		45-48						
			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			
					52			
Total semester hrs completed w/AAS degree:		68-71	Total semester hrs completed w/BS degree:		61			
			Total hours to BS Degree:		129-132			
Degree Plan created on 5/9/24 by SG								