

PROGRAM ARTICULATION DEGREE PLAN					
College of DuPage		2024-2025		Southern Illinois University Carbondale	
AAS Electro-Mechanical Technology - 67 hrs				BS Industrial Management & Applied Engineering (IMAE) - 120 hrs	
				University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs	
		Hrs			Hrs
SPEEC 1100	Fundamentals of Speech Communication	3	UNIV 101	Saluki Success	NA
ENGLI 1101	English Composition I	3	CMST 101	Intro to Oral Communication	T
			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
		20			12
Program Requirements			Program Requirements		
ELECT 1101	Circuits I	3	An AAS in Electro-Mechanical Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE)		
ELECT 1151	Electronic Devices & Applications	4			
ELMEC 1101	Survey of Automation	3			
ELMEC 1106	Power Electricity & Rotating Machines	4			
ELMEC 1110	Motor & Generator Fundamentals	3			
ELMEC 1141	Hydraulics & Pneumatics	3			
ELMEC 1171	Intro to Robotic Technology	3			
ELMEC 1420	Drive Components	2			
ELMEC 2600	Motion Control: Motor Dr Application & Control	3			
Program Electives	Electro-Mechanical or Electronics Technology Courses	7			
ELECT 1100	Electricity & Electronics Fundamentals	3	EET 150 (elective)	Intro to Electrical Engineering Technology	T
ELMEC 1190	Intro to Programmable Logic Controllers	3	EET 1XX (elective)	EET Tech Elective 100-level	T
ELMEC 2410	Programmable Controller II (PLC II)	3	EET 2XX (elective)	EET Tech Elective 200-level	T
ELMEC 2510	Process & Automation Controls	3	EET 2XX (elective)	EET Tech Elective 200-level	T
		47			
			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:		67	Total semester hrs completed w/BS degree:		64
			Total hours to BS Degree:		131
Degree Plan created on 5/9/24 by SG					