

PROGRAM ARTICULATION DEGREE PLAN						
Illinois Eastern Community College 2022-2023				Southern Illinois University Carbondale		
AAS Industrial Maintenance Technology - 60 hrs				BS Electrical Engineering Technology (EET) - 120 hrs		
				UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs		
			Hrs			Hrs
ENG 1111	Composition I	3	UNIV 101	Foundations of Inquiry	NA	
			ENGL 101	English Composition I	T	
			ENGL 102	English Composition II	NA	
SPE 1101	Fundamentals of Effective Speaking	3	CMST 101	Intro to Oral Communication	T	
			MATH 111	Precalculus	4	
	IAI Social Science* -OR-	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T	
			SOCIAL SCIENCE		3	
	IAI Humanities*		HUMANITIES		T	
			HUMANITIES		NA	
			PHYS 203A/253A	College Physics/Lab	4	
			LIFE SCIENCE	Students take 2 physics courses	NA	
			FINE ARTS		3	
			BIOL 202	Human Genetics and Human Health	2	
			MULTICULTURAL		3	
*The Humanities or Social Science Elective must satisfy the IECC Human Diversity Requirement						
			9			19
Program Requirements				Program Requirements		
Elective	General Education Elective	3	The AAS degree in Industrial Maintenance Technology as articulated fulfills the 7 hours of technical electives required for the BS degree in Electrical Engineering Technology (EET).			
Choose C501 or C507 Certificate						
C501 Certificate						
INM 1200	Mechanics	3				
INM 1206	Intro to Industrial Maintenance Technology	2				
INM 1210	Blueprints and Schematics	3				
INM 2210	Occupational Safety (OSHA)	1				
INM 2228	Lean Manufacturing	3				
C507 Certificate						
INM 2206	Programmable Controllers I	3				
INM 2207	Robotics Technology	3				
INM 2208	Programmable Controllers II	3				
INM 2211	Mechatronics I	4				
INM 2212	Programmable Controllers III	3				
MTH 1201	Technical Math	4				
C502 Certificate						
INM 1212	CPT Safety	3				
INM 1213	CPT Quality	3				
INM 1214	CPT Manufacturing Process	3				
INM 1215	CPT Maintenance Awareness	3				
C503 Certificate						
EGR 1131	Engineering Graphics and Design	3				
INM 1205	Fluid Power	3				
INM 2200	Electo-Mechanics I	5				
INM 2205	Electo-Mechanics II	5				
			51			
			ENGR 222	Computational Methods for Engineers and Technologists	2	
			MATH 150	Calculus I	4	
			MATH 282	Intro to Statistics	3	
			MGMT 202	Business Communications	3	
			PHYS 203B/253B	College Physics II/Lab	4	
			EET 150	Intro to Electrical Engineering Technology	2	
			EET 238	Digital System Fundamentals	4	
			EET 245	Introductory Circuit Theory & Applications	4	
			EET 304A	AC/DC Circuit Theory and Application	4	
			EET 304B	AC Network Theory and Application	4	
			EET 332A	DC Motors, Generators and Energy Conversion Devices	4	
			EET 332B	AC Electric Machines and Power Systems	4	
			EET 403A	Electronic Circuit Analysis	4	
			EET 403B	Electronics Application and Design	4	
			EET 437A	Telecommunication Systems Fundamentals	4	
			EET 437B	Data and Computer Communication	4	
			EET 438A	Automatic Control Systems Technology	4	
			EET 438B	Sequential Digital Control and Data Acquisition	4	
			EET 439	Microcontroller Application and Design	4	
			EET 495A	Senior Design I	1	
			EET 495B	Senior Design II	1	
						72
Total semester hrs completed w/ AAS degree			60	Total semester hrs completed with BS degree:		91
Degree Plan updated on 8/10/2022 by SW			Total semester hours to BS Degree			151