

PROGRAM ARTICULATION DEGREE PLAN								
Elgin Community College		2024-2025	Southern Illinois University Carbondale					
AAS Energy Management - 71.5 hrs			BS Technical Resource Management (TRM) - 120 hrs					
			University Core Curriculum (UCC) Capstone Option - 30 hrs					
			Hrs		Hrs			
			UNIV 101	Saluki Success	NA			
			CMST 101	Intro: Oral Communion	3			
ENG 101	English Composition I	3	ENGL 101	English Composition I	T			
ENG 102	English Composition II	3	ENGL 102	English Composition II	T			
MTH 112	College Algebra	4	MATH 108	College Algebra	T			
	Social/Behavioral Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T			
			SOCIAL SCIENCE		3			
	Humanities/Fine Arts	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T			
			HUMANITIES		NA			
			PHYSICAL SCIENCE		3			
			LIFE SCIENCE		3			
			FINE ARTS		3			
			HUMAN HEALTH		NA			
			MULTICULTURAL		3			
		16			18			
Program Requirements			Program Requirements					
ECS 108	Commercial Electronic Control System	3	The AAS degree in Energy Management meets the Career Electives requirement of 42 hours.					
ECS 110	Codes & Standards	3						
ECS 114	IAQ for Commercial Buildings	3						
ECS 202	Commercial Load Calculations	3						
ECS 206	Commercial Duct Design	3						
ECS 215	Commercial Applications Systems	3						
HAC 101	Air Conditioning & Refrigeration I	3						
HAC 102	Air Conditioning & Refrigeration II	4						
HAC 103	Basic Heating Gas/Oil	3						
HAC 104	HVACR Controls	3						
HAC 119	Refrigerant Recovery Certification	0.5						
HAC 205	Commercial Air Conditioning	3						
IST 105	Electrical Control Circuits	3						
IST 140	Programmable Controllers I	3						
IST 142	Programmable Controllers II	3						
IST 235	AC Drives	3						
IST 245	Advanced Programmable Logic Controllers	3						
Recommended Electives	Select from list of approved courses	3						
CIS 110	Computer Concepts & Business Apps	3				CS 200B -or- ITEC 229 (elective)	Computer Concepts -or- Computing Busi Admin	T
		55.5						
						TRM 316	Applications of Technical Writing	3
						TRM 364	Work Center Management	3
						TRM 383	Data Applications & Interpretation	3
						TRM 425	Operations Management	3
						TRM 464	Managing for Quality	3
			TRM 470	Project Management	3			
			TRM Support Courses	Select 2 from: TRM 332, 361, 362, 363E, 421, 440	6			
			Approved Electives	300/400 Level	15			
			TRM 319, 320, 350, 358	As necessary to meet 42 senior institution hour requirement	3			
					42			
Total semester hrs completed w/AAS degree:		71.5	Total semester hrs completed w/BS degree:		60			
			Total hours to BS degree:		131.5			
Degree Plan updated on 5/20/24 by SG								