PROGRAM ARTICULATION DEGREE PLAN					
Elgin Community College	*2024-2025*		*Southern Illinois University Carbondale*		
AAS Energy Management - Renewable Energy - 67 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 Communication	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 111	Intro to Photovoltaic Systems	3			
ECS 112	Survey of Renewable Energy Systems	2			
ECS 113	Energy Auditing	3			
ECS 116	Intro to Wind Energy	3			
ECS 117	Intro to Sustainable Heating Systems	3			
ECS 118	Photovoltaic System Application	3			
ECS 119	Wind Turbine Service	3			
ECS 202	Commercial Load Calculations	3	**The AAS degree in Energy Management - Renewable Energy meets the Career Electives requirement of 42 hours.**		
HAC 101	Air Conditioning & Refrigeration I	3			
HAC 102	Air Conditioning & Refrigeration II	4			
HAC 103	Basic Heating Gas/Oil	3			
HAC 110	Heat Pumps & Electrical Heat	3			
HAC 114	Basic Electricity & HVACR Controls	3			
IST 105	Electrical Control Circuits	3			
IST 140	Programmable Controllers I	3			
IST 142	Programmable Controllers II	3			
IST 235	AC Drives	3			
		51			
			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:		**67**	**Total semester hrs completed w/BS degree:**		**60**
			Total hours to BS degree:		**127**
Degree Plan updated on 5/20/24 by SG					