

PROGRAM ARTICULATION DEGREE PLAN				
Elgin Community College 2022-2023			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
			CMST 101	Intro:Oral Communication
ENG 101	English Composition I	3	ENGL 101	English Composition I
ENG 102	English Composition II	3	ENGL 102	English Composition II
IMT 107-or-MATH 112*	Technical Math I -or- College Algebra	4	MATHEMATICS	(See SIUC Equivalency Guide)
SOCIAL/BEHAVIORAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)
			SOCIAL SCIENCE	
HUMANITIES/FINE ARTS**	(See SIUC Equivalency Guide)	3	HUMANITIES	(See SIUC Equivalency Guide)
			HUMANITIES	
			PHYSICAL SCIENCE	
			LIFE SCIENCE	
			FINE ARTS	
			HUMAN HEALTH	
			MULTICULTURAL	
*MTH 112 articulates as a Mathematics UCC requirement at SIUC				
**Liberal Education Course		16		19
Program Requirements			Program Requirements	
ECS 111	Intro to Photovoltaic Systems	3	<p align="center">An AAS in Energy Management-Renewable Energy from an accredited institution meets this requirement. An approved apprenticeship or a maximum of 30 semester hours of internship, work experience credit, or independent study may be part of these 42 hours.</p>	
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		
HAC 101	Air Conditioning and Refrigeration I	3		
HAC 102	Air Conditioning and Refrigeration II	4		
HAC 103	Basic Heating Gas/Oil	3		
HAC 110	Heat Pumps & Electrical Heat	3		
HAC 114	Basic Electricity and 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 Communication
			TRM 364	Work Center Management
			TRM 383	Data Applications & Interpretation
			TRM 425	Operations Management
			TRM 464	Managing For Quality
			TRM 470	Project Management
			TRM Support Courses Select 2:	TRM 332; 361; 362; 421; 426; 440
			Approved Electives	300/400 level
			TRM 319, 320, 350, 358	As necessary to meet 42 senior institution hour requirement
				42
Total semester hrs completed w/ AAS degree		67	Total semester hrs completed w/ BS degree	61
Plan updated 10/25/2022-lb			Total hours to BS degree:	128