



Renewable Energy Technology Certificate

30 credit hours

The Renewable Energy Technology Certificate emphasizes basic techniques and skills necessary for entry-level employment in the alternative energy industry, including unions working in this arena, such as IBEW (International Brotherhood of Electrical Workers). All genders of students will acquire proficiency in electricity and magnetism, electrical safety controls, photo voltaics (PV), wind, energy efficiency, effective communications and employment skills.

Upon completion of the certificate, students will be able to:

- Perform detailed analyses and tests (CTE component).
- Troubleshoot electrical/mechanical devices (CTE component).
- Perform corrective maintenance procedures including diagnosing problems using electronic/electrical, mechanical, and/or other sciences and documents results of activities performed to comply with all regulatory and standard requirements (CTE component).
- Effectively use verbal and written communication.

Fall 2020 (16 credit hours)

Credit Hours

ARC 102	OSHA 10-Hour Construction Training	1
ENT 104	Electricity Basic Fundamentals	3
HTH 281	First Aid/CPR	2
MAT 122	Technical Math	3
REN 100	Introduction to Renewable Energy	3
REN 110	ARC Flash Prevention	1
REN 120	Photovoltaic Design Fundamentals	3

Spring 2021 (14 credit hours)

Credit Hours

ENT 202	Electricity Sustainability Applications	4
REN 130	National Electric Code and Grid Installation	4
REN 200	Photovoltaic System Integrator	3
REN 220	Wind Power Generation Design Fundamentals	3

Significant scholarship opportunities available through the Illinois IBEW Renewable Energy Fund (REF).



Providing Renewable Energy Education & Training

For more information, please contact Antigone Sharris, program coordinator.

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Triton College

It's about you.

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