

Solar/Energy Technology

Program 67760
CIP 150505

Certificate of Proficiency

Global energy initiatives reflect a shift towards clean and efficient methods of producing energy. The Solar/Energy Technology certificate offers students a foundation in construction basics, a comprehensive introduction to the wide range of energy sources, and training in areas of installation and auditing.

Successful graduates of the program will be able to:

- understand available renewable energy systems;
- demonstrate knowledge of basic circuitry and electronic components;
- use hand tools and apply metalworking skills to fabricate electronic chassis;
- comprehend building construction systems;
- apply energy auditing and weatherization processes to existing structures;
- demonstrate specific skills related to solar installation applications.

Certificate Curriculum

Code	Course (lecture/lab hours)	Credits
EET 130	Fundamentals of Electronics (2/2)	3
ENG 101	English Composition I (3/0)	3
IST 101	Computer Concepts with Applications (2/2)	3
MAT 110	Elementary Technical Mathematics (3/0) ¹	3
UTI 111	Alternative Energy Sources (3/0)	3
<hr/>		
ARC 134	Building Construction Systems (3/0)	3
EET 140	Electronic Construction (1/3)	2
UTI 112	Energy Auditing and Weatherization (2/2)	3
UTI 113	Solar Installation Technology (2/2)	3
— —	Technical elective ²	3
<hr/>		
CMN 123	Job Success: The Search, Resume and Interview (2/0)	2
		31

¹ Or higher-level mathematics course.

² Select from HRA 101; UTI 102 or 103; or other course by coordinator approval.

