Solar Energy Technology

Certificate

Program Coordinator: Donnie Melvin • ISC 142A • 276-739-2453

Length: Two semesters (one year)

Purpose: The Certificate in Energy Technology is designed to prepare students for employment upon graduation as technicians to install solar power generation systems.

Admission Requirements: A student eligible for admission to the College can normally be considered for admission to the Solar Energy Technology curriculum. Proficiency in high school English is required. Students who are not proficient in English will be required to correct their deficiencies in developmental courses.

Program Requirements: The program contains twenty-five credits in electrical technology and energy technology courses. The remaining credits are in mathematics, English, and orientation.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
First Semester (Fall)				
ELE 133	Practical Electricity I	2	2	3
ELE 176	Introduction to Alternative Energy Including Hybrid Systems	2	3	3
SAF 130	OSHA 10	1	0	1
SDV 101	Orientation to College Success	1	0	1
ENG 111 or 115	College Composition I or Technical Writing	3	0	3
ELE 245	Industrial Wiring	2	2	3
ELE 131	National Electric Code I	3	0	3
	Total	**14**	**7**	**17**
Second Semester (Spring)				
ELE 177	Photovoltaic Energy Systems	3	3	4
ELE 134	Practical Electricity II	2	2	3
ELE 141	DC/AC Machines	3	3	4
MTH 111	Basic Technical Mathematics	3	0	3
ELE 132	National Electric Code II	3	0	3
	Total	**14**	**8**	**17**
Total Minimum Credits for Certificate				**34**