

Solar Energy Technology

Certificate

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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.

Direct enrollment guidelines using either multiple measures or informed placement will determine a student's placement into college-level English and mathematics 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 157	Electricity Fundamentals	3	6	6
ELE 176	Introduction to Alternative Energy Including Hybrid Systems	2	3	3
SAF 130	Industrial Safety – 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		12	11	20
Second Semester (Spring)				
ELE 177	Photovoltaic Energy Systems	3	3	4
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		12	6	14
Total Credits for Career Studies Certificate				34