

ALTERNATIVE ENERGY - SOLAR TECHNOLOGY

DEGREES, CERTIFICATES AND AWARDS

Certificate of Achievement

DESCRIPTION

The Alternative Energy-Solar Technology Certificate program is intended to provide an opportunity for students interested in an alternative energy career. This certificate will provide students with the comprehensive understanding, manipulative skills, technical knowledge and related trade information required to prepare them for the nationally recognized Solar NABCEP PV and SH Entry Level Exams. This certificate program will enhance the students' employment opportunities in the growing and rewarding fields of solar systems installation, operation, and maintenance technology.

PROGRAM LEARNING OUTCOMES

1. Identify and describe the principles of photovoltaic (solar).
2. Describe and explain the National Electrical Codes for solar electrical circuits.
3. Identify the principles of electrical alternative energy system.

The Certificate of Achievement program is designed for students with personal or occupational goals who wish early employment. To qualify for the Certificate, a student must satisfy the following requirements: (1) complete all courses listed for a particular certificate.; (2) achieve a "C" average (2.0 GPA) for all courses used to complete the certificate; and, (3) file a Certificate Application form with Admissions and Records by the appropriate deadline(s) identified on the application.

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree at Imperial Valley College may not be the same as those required for completing the major at a transfer institution offering a bachelor's degree. Students who plan to transfer to a four-year college or university should schedule an appointment with an IVC Counselor to develop a student education plan (SEP) before beginning their program.

Transfer Resources:

www.ASSIST.org – CSU and UC Articulation Agreements and Majors Search Engine

www.CSUMentor.edu – CSU System Information

www.universityofcalifornia.edu/admissions/index.html - UC System Information

www.aiccu.edu – California Independent Colleges and Universities, Association of

<http://wiche.edu/wue> - Western Undergraduate Exchange Programs

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that IVC offers a full array of financial aid programs – grants, work study, scholarships, and fee waivers (we do not participate in the federal loan programs). These programs are available to both full and part time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: www.imperial.edu/students/financial-aid-and-scholarships/

CAREER OPPORTUNITIES

Of the career opportunities identified some will usually require the completion of degree requirements at 4-year colleges and universities.

- Electrical Installer
- Commercial Electrical Installer
- Electrical Maintenance Technician
- Electrician
- Industrial Maintenance Electrician
- Environmental Engineer
- Solar Engineer
- Electrical Engineer
- Environmental Scientist
- Environmental Engineer

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at IVC. Please click on our Programs of Study link to view the information for each certificate program: <http://www.imperial.edu/courses-and-programs/programs-of-study/>

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CERTIFICATE OF ACHIEVEMENT

ALTERNATIVE ENERGY-SOLAR TECHNOLOGY

Twenty-three (23.0) units required for the certificate.

ALL COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

I. Required courses for the certificate (23.0 units)

BLDC	101	Safety Standards (Cal/OSHA) 30-Hour Card	3.0
EWIR	110	Electrical Principles	4.0
RNEW	118	Alternative Energies	4.0
RNEW	150	Solar Energy Systems PV1	3.0
RNEW	151	Solar Electrical Systems PV2	3.0
RNEW	152	Solar Heating (SH)	3.0
RNEW	165	NABCEP Entry Level Test Preparation	1.0
WE	201	Employment Readiness	1.0
WE	220	Internship	1.0
Total Certificate Units			23.0
Total Maximum Units:			23.0