## ENERGY EFFICIENCY TECHNOLOGY

## **DEGREES, CERTIFICATES AND AWARDS**

Associate in Science Degree (A.S.) Certificate of Achievement

### DESCRIPTION

The Energy Efficiency Technology Associate in Science Degree and Certificate are designed to provide instruction in manipulative skills, technical knowledge, and technical information from the Building Performance Institute, which will prepare the student for employment in energy efficiency, home performance and energy auditing with emphasis in green building retrofits. The course work for the associate degree also emphasizes subject areas that are significant to the construction worker such as building sciences, environmental sciences, and the development of analytical and communication skills through the general education requirements.



### ASSOCIATE DEGREE AND CERTIFICATE OF ACHIEVEMENT PROGRAMS

The Associate in Arts (AA) or the Associate in Science (AS) Degree involves satisfactory completion of a minimum of 60 semester units with a C average or higher, including grades of C in all courses required for the major, and fulfillment of all IVC district requirements for the associate's degree along with all general education requirements. The degree provides a sound basis for transfer to upper division institutions for additional degrees or for higher vocational preparation. To be eligible to receive an Associate Degree the student must complete the requirements for the major, the District requirements for an Associate Degree, and the General Education requirements. In addition students must maintain a minimum grade point average and meet the minimum grade requirements of their program. Detailed information is available in the college catalog.

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.

## **CAREER OPPORTUNITIES**

Of the career opportunities identified some will usually require the completion of degree requirements at 4-year colleges and universities. Green Careers also exist in fields such as Hydrology (Water), Solar, Geo-Science, Ecology, Wind Energy, Infrastructure/Green Building, Atmospheric Science and Geothermal.

- Green Architect
- · Energy Auditor/Designer
- Sales

- Business Development
- Installer · Solar Energy Engineer
- Field Services Technician Finance

- Construction Technician
- Manager
- Engineering
- Marketing
- Energy Optimization Specialist Energy & Environmental Specialist • Energy and Utilities Consultant
- **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/

#### 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.org - 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-andscholarships/

# **ENERGY EFFICIENCY TECHNOLOGY**

## **ASSOCIATE DEGREE PROGRAM**

## **ENERGY EFFICIENCY TECHNOLOGY MAJOR - A.S. DEGREE**

Twenty-four (24.0) units are required for this major.

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

## I. Required courses for the major (24.0 units)

BLDC 1	01	Safety Standards (Cal/OSHA) 30-Hour Cards	3.0
BLDC 1	10	Construction Blueprints, Specifications, Measurements and Codes	3.0
BLDC 1	15	Energy Fundamentals	3.0
BLDC 1	55	Solar Thermal and Water Efficiency	3.0
BLDC 1	70	Essentials of Efficient Green Construction	3.0
BLDC 1	75	Home Performance Retrofits	3.0
ENVS 1	10	Environmental Science	3.0
EWIR 1	50	Solar Energy Systems	3.0
Total Major Units			
IVC Graduation Requirements and GE Pattern:			
Electives (as neede	ed to reach 60 de	egree applicable units)	
Total Maximum Units:			

## **CERTIFICATE PROGRAM**

**Total Maximum Units:** 

### **ENERGY EFFICIENCY TECHNOLOGY CERTIFICATE**

Twenty-four (24.0) units are required for this certificate.

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

## I. Required courses for the certificate (24.0 units)

BLDC	101	Safety Standards (Cal/OSHA) 30-Hour Cards	3.0
BLDC	110	Construction Blueprints, Specifications, Measurements and Codes	3.0
BLDC	115	Energy Fundamentals	3.0
BLDC	155	Solar Thermal and Water Efficiency	3.0
BLDC	170	Essentials of Efficient Green Construction	3.0
BLDC	175	Home Performance Retrofits	3.0
ENVS	110	Environmental Science	3.0
EWIR	150	Solar Energy Systems	3.0
Total Certificate Units			24.0

24.0