

PROGRAM LEARNING OUTCOMES



ANTELOPE VALLEY COLLEGE

Program: Electrical

Institutional Learning Outcomes

1. Analyze diverse perspectives from a variety of disciplines and experiences that contribute to the development of self-awareness.
2. Value and apply lifelong learning skills required for employment, basic skills, transfer education, and personal development.
3. Demonstrate a breadth of knowledge and experiences from the Humanities, Social and Behavioral Sciences, Arts, Natural Sciences, and Mathematics.
4. Solve problems using oral and written communication, critical thinking and listening skills, planning and decision-making skills, information literacy, and variety of technologies.
5. Demonstrate good citizenship and teamwork through respect, tolerance, cultural awareness, and the role of diversity in modern society.
6. Identify career opportunities that contribute to the economic well being of the community.

Indicate, by number, the Institutional Learning Outcome(s) each Program Learning Outcome will support.

Submit a signed copy of this form to the SLO committee mailbox.

Specifically describe the assessment method(s) used to measure each outcome and specify the achievement target that will determine successful completion of the outcome.

If this is an instructional program, a curriculum map must be attached. All programs must attach a proposed cycle of assessment.

ILO	PROGRAM LEARNING OUTCOMES	ASSESSMENT METHODS and ACHIEVEMENT TARGETS
6	Calculate values for voltage, current, resistance, and power, and contrast these values with measured values to determine the proper operation of a variety of electrical circuits.	Standardized questions on specific exams that are used by all instructors. A grade of 70% will be considered as meeting the PLO. The achievement target is that 80% of all students assessed will have met the PLO.
6	Analyze, evaluate, troubleshoot, and repair residential, commercial, and industrial electrical systems to meet industry standards and the National Electric Code.	Projects will be graded and assessed by industry standards in ELEC 120 or ELEC 140. A grade of 70% will be considered as meeting the PLO. The achievement target is that 80% of all students assessed will have met the PLO.
6	Read and interpret blueprints, architectural drawings and schematics to install, maintain and repair electrical systems.	Standardized questions embedded into the final exam of ELEC 150. A grade of 70% will be considered as meeting the PLO. The achievement target is that 80% of all students assessed will have met the PLO.
6	Evaluate the operation of various motor control systems, including programmable control systems, and modify or repair as necessary.	ELEC 220 projects will be graded and assessed by industry standards utilizing a standardized project rubric that is used by all instructors. A grade of 70% will be considered as meeting the PLO. The achievement target is that 80% of all students assessed will have met the PLO.

Area Dean Appro

4/28/11 SLO Committee Approval:

Date: 5/9/2011

