



**Environment, Health, & Safety
Training Program**

**EHS 0545 AHJ Approval as a Qualified Electrical Worker 1 (QEW1)
Course Syllabus**

Subject Category: Electrical Safety
Course Length: N/A
Delivery Mode: N/A

Course Prerequisites: multiple listed in detail below
Medical Approval: None
Frequency: Ongoing

About this Course: This is not a training course.

This course code (EHS 0545) is used to provide an interface between Berkeley Lab Training (BLT) and Work Planning & Control Activity Manager to indicate that a worker has (or has not) met the requirements for a Qualified Electrical Worker (QEW) by the Lab's Electrical Safety Program. When candidate meets all requirements, the Electrical Safety team will credit EHS 0545 as completed. This is in accordance with PUB 3000 Chapter 8 Work process E. If the candidate fails to progress satisfactorily through the QEW program or fails to remain current on recurring training/certification requirements, course credit will be revoked until candidate meets the requirements.

This course is also used to notify the worker's supervisor and line management that:

- The worker has completed and is currently considered to be a Qualified Electrical Worker 1 and may be authorized to perform electrical work providing any additional training requirements triggered by specific tasks have also been met.
- This qualification has associated recurring training requirements that will need to be maintained in order to allow the worker to perform any tasks required to be completed by a qualified electrical worker, otherwise known as "electrical work" while associated with the Lab.

Process

1. Complete QEW application process to enroll in QEW program and be granted Provisional QEW Status (course credit for EHS 0539).
2. Complete and remain current on the following pre-requisite training courses:
 - EHS 0370 LOTO for Authorized Persons
 - EHS 0268 Introduction to NFPA 70E
 - EHS 0380 Electrical Gloves and Tools *
 - EHS 0123 CPR
 - EHS 0116 First Aid
3. Start enrolling in the following courses as they become available
 - EHS 0540 QEW1 Electrical Safety Basics (Mod 1)
 - EHS 0541 QEW1 Shock Protection (Mod 2)
 - EHS 0542 QEW1 Work Controls (Mod 3)
 - EHS 0543 QEW1 Practical Training
 - EHS 0544 QEW1 Practical Certification

Subject Matter Expert: Mark Scott, Stephanie Collins

Training Compliance Requirements: 29CFR 1910.147, 29CFR 1910.333, NFPA 70E

Course Instructional Materials: N/A

Performance Criteria: AHJ will verify all requisite courses for completion and periodicity and must approve qualification status as a QEW1 in order to receive course credit which will be required to perform electrical work. While the laboratory is transitioning through to the new program and PQEWs complete their requisite training, the manual credit will be toggled on/off as milestones are met/not met.

Phase 2 Requirements as of 8/1/2015

Note: *If EHS 0541 is available and completed prior to your EHS 0380 expiration date, you will be given cross credit equivalence for EHS 0380. If your EHS 0380 course is set to expire prior to successful completion of EHS 0541 you must take both courses.

Web Resource: Electrical Safety web page, Qualified Electrical Worker @ <http://electricalsafety.lbl.gov/electrical-safety/qualified-electrical-worker-qew/>