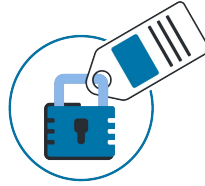


# Lockout/Tagout

An Energy Isolation Course for Affected and Authorized Workers



## Course Syllabus

<b>Course Length:</b> 2 hours	<b>Prerequisites:</b> None	<b>Hands-on Training:</b> Additional hands-on training required.
<p><b>Refresher Training Required:</b> Recommended</p> <p><b>Frequency:</b> This course can be taken anytime an employer, company employee, or worker performs or may perform work involving maintenance, cleaning, or other tasks related to equipment or machines that could potentially contain hazardous energy.</p>	<p><b>References:</b></p> <ul style="list-style-type: none"> <li>• 29 Code of Federal Regulation (CFR) 1910.147 – The Control of Hazardous Energy (LOTO).</li> <li>• Occupational Safety and Health Administration</li> <li>• International Association of Oil &amp; Gas Producers</li> <li>• Department of Transportation</li> <li>• National Fire Protection Association (NFPA) 70E “Standard for Electrical Safety in the Workplace”.</li> <li>• James A. Junkin, CSP, MSP, SMS, ASP, CSHO</li> <li>• Linda F. Martin, PhD, PMP, CIH, CSP, CHMM</li> </ul>	

## Description

This training course combines 2 hours of instructor-led classroom instruction with a hands-on application component to meet the OSHA General Industry training requirements of 29 CFR 1910.147 - *The Control of Hazardous Energy (Lockout/Tagout)*.

Lockout/Tagout is an energy isolation course for affected and authorized workers that equips students with the knowledge and skills to control hazardous energy when servicing and maintaining machinery and equipment.

This course covers the different types of hazardous energy sources, worker roles and responsibilities, the purpose and function of energy control programs, and the different lockout/tagout procedures.

## Certifications

Upon successful completion of the course, students receive their Veriforce ID card. This card reflects Veriforce course requirements the student has met. Employers may verify student training on the ID card or online at [www.PECCard.com](http://www.PECCard.com). Veriforce will not validate the hands-

on portion of the control of hazardous energy (lockout/tagout) training requirement as outlined in 29 CFR 1910.147.

## Course Evaluation

Students will receive an exam to verify competency in Lockout/Tagout topics to fulfill the classroom training requirement.

## Course Objectives

1. Provide an overview of lockout/tagout (LOTO).
  - 1.1 Purpose of LOTO in controlling hazardous energy.
  - 1.2 Define LOTO.
  - 1.3 LOTO device requirements.
  - 1.4 OSHA's standard for hazardous energy control.
2. Describe the various sources of hazardous energy.
  - 2.1 Pressure, including pneumatic and hydraulic pressure.
  - 2.2 Energy, including various forms of potential and kinetic energy.
3. Describe the roles and responsibilities of a LOTO operation.
  - 3.1 Roles and responsibilities of the affected, authorized, and support workers.
  - 3.2 Training requirements for basic awareness, additional needs, and retraining.
4. Explain the LOTO program requirements.
  - 4.1 Establishing, developing, and maintaining a LOTO program.
  - 4.2 Understanding LOTO program components, inspection, and recordkeeping.
5. Explain how to use a LOTO procedure.
  - 5.1 Notification requirements.
  - 5.2 General LOTO procedures for workers to use.
  - 5.3 Variations of LOTO procedures for various LOTO situations and stand-alone tagouts.