



SLAC Pages Changed Yesterday

Last Updated: 8/27/96

The following 72 pages in the main SLAC production Web space were added or updated yesterday. The list does not include files in other formats like .gif, .ps, or plain text, nor does it include daily reports.

<http://www.slac.stanford.edu/highlighted.html>
<http://www.slac.stanford.edu/detailed.html>
<http://www.slac.stanford.edu/esh/esh.html>
<http://www.slac.stanford.edu/esh/training/trainops/radsurv.html>
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<http://www.slac.stanford.edu/accel/pepii/near-ir/meeting.html>
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<http://www.slac.stanford.edu/esh/training/trainops/237.html>
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Course 116 - Radiological Worker I Training

RAD07 [Regulatory Drivers]

- Are you authorized to perform radiological assessments of hazardous wastes prior to removal from a Radiological Materials Management Area (RMMA)?

Yes, complete

OJT - RMMA - Radiological Waste

RAD08 [Regulatory Drivers]

- Are you a non-radiological worker (GERT trained) who occasionally needs unescorted access to a an area under entry control by the Personal Protection System (PPS)*

Note ! * The PPS is a series of physical, mechanical, and electrical interlocks that function to protect workers from exposure to beam radiation and exposed electrical hazards within the beam housing area. Since January 1994, this information for Course 107 is included as a module within Course 116 (RWTI).

Yes, complete

Course 107 - Introduction to the Personnel Protection System at SLAC

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RAD03 [Regulatory Drivers]

- Are you in charge of equipment that is designed to produce X-rays for non-medical purposes (such as X-ray source machines or X-ray diffraction equipment) or other radiation generating device?

Yes, complete

Course 116 - Radiological Worker I Training

And, complete

OJT - Radiation Generating Device. Skip to question RAD05.

No,

Go to question RAD04.

RAD04 [Regulatory Drivers]

- If your job or potential exposure to radiation does not require that you complete Radiological Worker I Training and you will be on the SLAC site more than 30 days per year (or less than 30 days but you need unescorted access into Radiological Areas) then you must complete General Employee Radiological Training (GERT, Course 115). All employees must complete either GERT or Radiological Worker I Training (RWTI, Course 116) to obtain or renew a permanent SLAC dosimeter.

Note !

Completion of *Employee Orientation to Environment, Safety, and Health* (Course 219, EOESH) is also required to obtain or renew a dosimeter. See question GEN01.

Yes, complete

Course 115 - General Employee Radiological Training

RAD05 [Regulatory Drivers]

- Are you an employee in the ES&H Division who is designated as a Radiological Control Technician (RCT) or Operational Health Physics Technician (HPT)?
- Do you directly supervise a designated RCT or HPT and does any portion of your supervisory duties require you to direct or replace the RCT or HPT in duties that may be construed as RCT or HPT duties?

Yes, complete

Course 237 - Radiological Control Technician Training

RAD06 [Regulatory Drivers]

- Are you an accelerator operator approved by the Radiological Control Manager to perform Limited Radiological Control Assistant (LRCA) duties when a RCT or HPT is not available on-site or on-call (such as during back shifts, holidays, and weekends)?

Yes, complete

Course 238 - Limited Radiological Controls Assistant Training

Prerequisite or Concurrent Training

Environment, Safety, & Health Division, Stanford Linear Accelerator Center, Last modified: August 26, 1996



Task/Hazard Survey Radiological Safety

Go to: [\[Survey Index\]](#) [\[Survey Instructions\]](#) [\[Training Plan Form\]](#) [\[Catalog Index\]](#) [\[Course Schedule/Registration\]](#)

RAD01 [\[Regulatory Drivers\]](#)

- Do you need unescorted access to a high radiation area or very high radiation area to complete your job?
- Do you need unescorted access to a radiation area and your annual exposure is likely to exceed 100 mrem?

Note ! Radiation, High radiation, and Very High Radiation areas are designated regions within Controlled Areas. Controlled are: behind the exclusion fence with entrance points at the Sector 30 guard gate, the Alpine Road gate, and the SSRL/SPEAR gate; areas in the Test Lab (#044), Cryogenics (#006), ES&H (#024), Light Fab (#025), and Heavy Fab (#026) buildings.

Job Classifications: Accelerator, storage ring, SSRL, and test stand operators are defined as Radiological Workers. Others personnel may be classified as Radiological Workers based upon their specific duties.

Note ! In addition to the course materials, you must also pass a practical factors exercise and *Employee Orientation to Environment, Safety, and Health* (Course 219, EOESH) is also required to obtain or renew a quarterly dosimeter. See [question GEN01](#).

Yes, complete

Course 116 - Radiological Worker I Training and [go to question RAD02](#).

No,

Skip to [question RAD03](#)

RAD02 [\[Regulatory Drivers\]](#)

- Do you need to enter areas posted as Contamination, High Contamination, Soil Contamination, or Airborne Radioactivity Areas to perform you job?
- Do you handle radioactively contaminated materials?

Yes, complete

Course 250 - Radiological Worker II Contamination Control Training. Skip to [question RAD05](#).

No,

Go to [question RAD03](#).

Prerequisite Training

Course 116 - Radiological Worker I Training

Yes, complete

Course 241 - Respiratory Safety (computer-assisted self-study)

IH16 [Regulatory Drivers]

- Could you be exposed to blood or blood-containing bodily fluids after an accident or under an emergency situation?

Yes, complete

Course 219 - Employee Orientation to Environment, Safety, and Health (awareness level training)

IH16A [Regulatory Drivers]

- Have you been identified as potentially occupationally exposed¹⁷ to blood or other blood-containing bodily fluids at work?

Note ! * Potential occupational exposure means you are reasonably anticipated to have skin, eye, mucous membrane, or needle stick contact with blood or other potentially infectious materials as a result of the performance of your normal job. This applies to nurses, doctors, and emergency medical technicians.

Job Classifications: Nurse, doctor, emergency medical technician.

Yes, complete

Course 258 - Bloodborne Pathogens (Offsite Training)

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Yes, complete

Course 253 - Laser Worker Safety (computer-assisted self-study)

Or, complete

Course 254 - Laser Safety for Research Staff (computer-assisted self-study)

IH12 [Regulatory Drivers]

- Do you perform maintenance or repair on a Laser such that you may be exposed to a high voltage electrical hazard?

Yes, complete

Medical - CPR/First Aid

IH13 [Regulatory Drivers]

- Are you required to use an air-purifying respirator to perform any of your tasks?

Note ! Medical clearance and all steps outlined in the Respirator User's Form (RUF, SLAC-I-730-0A9R-001) must be completed before using a respirator. Annual refresher training and fit testing are required for personnel who are required to wear a respirator.

Yes, complete

Medical - Respirator User MEEMM Program

And, complete

Course 241 - Respiratory Safety (computer-assisted self-study)

And, complete

SHA - Contact an Industrial Hygienist (ext. 4105 or 4295) in the Safety, Health and Assurance (SHA) Department for practical training and fit testing

IH14 [Regulatory Drivers] **New!**

- Do you elect to wear a dust-mask16 to perform your work?

Note ! Before using a dust mask, all steps noted in the Dust Mask User's Form (DMUF - SLAC-I-730-0A9R-001) must be completed. Annual medical evaluation is required. Formal training is optional.

Yes, complete

Medical - Dust Mask User Form

And, complete

Course 241 - Respiratory Safety (computer-assisted self-study) Recommended Training

IH15 [Regulatory Drivers]

- Do you directly supervise an employee who uses any type of respirator?

Yes, complete

Course 103 - Hazard Communication General Training

Or, complete

Course 101 - Hazard Communication Supervisor Training

And, complete

Medical - Carcinogens MEEMM Program

And, complete

OJT - HazCom WorkArea Training

IH09 [Regulatory Drivers]

- Do you work with, or in the immediate vicinity of, an open chemical tank (liquid or vapors) that contains chemicals used to clean, alter the surface, or add a finish to material added to the tank (such as degreasing, washing, electroplating, anodizing, or stripping)? Yes, complete Course 103 - Hazard Communication General Training

Yes, complete

Course 101 - Hazard Communication Supervisor Training

And, complete

OJT - HazCom WorkArea Training

IH10 [Regulatory Drivers]

- Do you operate a class 3b, or 4 Laser?

Job Classifications: Alignment personnel, laser technicians, graduate students, visiting researchers, and other personnel who operate a class 3a, 3b, or 4 laser.

Yes, complete

Medical - Lasers MEEMM Program

And, complete

Course 253 - Laser Worker Safety (computer-assisted self-study)

IH10A [Regulatory Drivers]

- Do you design, build, or maintain a class 3b or 4 Laser in addition to operating it?

Job Classifications: Physicists, engineers, research technicians and all other personnel who design, build, or maintain class 3a, 3b, or 4 lasers, in addition to operating these lasers.

Yes, complete

Medical - Lasers MEEMM Program

And, complete

Course 254 - Laser Safety for Research Staff (computer-assisted self-study)

IH11 [Regulatory Drivers]

- Do you directly supervise any employee who operates, designs, builds, or maintains and class 3b, or 4 Laser?

- Are you exposed to noise levels at 80 to 85 dBA (where a raised voice is necessary for normal conversation) for more than 60 days per year?
- Are you exposed to noise levels greater than 85 dBA for five (5) days or more per year?

Yes, complete

Medical - Noise MEEMM Program

And, complete

Course 222 - Hearing Conservation (computer-assisted self-study)

IH06 [Regulatory Drivers]

- Do you handle lead in solid form more than 30 days per year?
- Do you melt or pour lead more than 20 days per year?
- Do you machine or cut lead using a wet process more than 20 days per year?
- Do you dry cut or machine lead more than 5 days per year?
- Do you use solders containing 60% or greater lead more than 40 days per year?
- Are you subject to possible skin or eye irritation from lead?
- Are you in the ES&H Waste Management Dept. and responsible for repackaging and disposal of lead waste?

Yes, complete

Medical - Lead MEEMM Program

And, complete

Course 240 - Lead Safety

IH07 [Regulatory Drivers]

- Do you saw, drill, tear, or otherwise disturb asbestos containing material?

Yes, complete

Medical - Asbestos MEEMM Program

IH07A [Regulatory Drivers]

- Do you determine the presence or location of, or assess the condition of, friable or non-friable asbestos containing materials (ACMs) or suspected ACMs by visual or physical examination, or by collecting samples?

Yes, complete

Course 257 - Asbestos Inspector Training (*Offsite Training*)

IH08 [Regulatory Drivers]

- Do you work with any carcinogens listed by ACGIH or OSHA (29 CFR 1910.1002 - .1047) outside of a fume hood or closed system for more than 20 hours per year?
- Could you have potential skin contact with any of the listed carcinogens?

Note !

A current list of the carcinogens is available from Industrial Hygiene, upon request.

Environment, Safety, & Health Division, Stanford Linear Accelerator Center, Last modified: August 26, 1996



Task/Hazard Survey Industrial Hygiene

Go to: [\[Survey Index\]](#) [\[Survey Instructions\]](#) [\[Training Plan Form\]](#) [\[Catalog Index\]](#) [\[Course Schedule/Registration\]](#)

IH01 [\[Regulatory Drivers\]](#)

- Do you use any potentially hazardous chemicals in the workplace?
- Could you be exposed to potentially hazardous chemicals during a foreseeable emergency in your work area

Yes, complete

Course 103 - Hazard Communication General Training

And, complete

OJT - HazCom WorkArea Training

IH02 [\[Regulatory Drivers\]](#)

- Do you directly supervise any employee who either uses potentially hazardous chemicals in the workplace or may be exposed to these chemicals during a foreseeable emergency in the workplace?

Yes, complete

Course 101 - Hazard Communication Supervisor Training

And, complete

Course 245 - On-the-Job Trainer Workshop (Recommended Training)

IH03 [\[Regulatory Drivers\]](#)

- Do you weld or torch cut metal more than 20 days per year?

Yes, complete

Medical - Welding MEEMM Program

IH04 [\[Regulatory Drivers\]](#)

- Have you been identified as a plating shop employee who is currently exposed or could be exposed to hazardous materials?

Yes, complete

Medical - Plating Shop MEEMM Program

IH05 [\[Regulatory Drivers\]](#)

<http://www.slac.stanford.edu/esh/training/trainops/ih.html>

Yes, complete

Offsite - HAZWOPER training, as defined by specific duties (Offsite Training)

SLAC **ESH Division** **ESH Training**

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HWM03 [Regulatory Drivers]

- Are you assigned to handle hazardous waste stored inside a Radioactive Materials Management Area (RMMA) * ?
- Do you directly supervise any employee who performs this job?

Note ! * An RMMA is any area at SLAC where there is potential for radioactive activation of materials resulting from beam exposure.

Yes, complete

Course 105 - Introduction to Hazardous Waste and Materials Management

And complete

OJT - RMMA - Hazardous Materials

Prerequisite Training Course 103, Hazard Communication General Training
or
Course 101, Hazard Communication Supervisor Training

HWM04 [Regulatory Drivers]

- Are you identified as a **Hazmat** * employee?
- Do you directly supervise an identified **Hazmat** employee?

Note ! * You are defined as a Hazmat employee for the purpose of answering this survey question if you are involved in offsite transportation of hazardous materials by air, water, ground, or rail. You may be classified as a Hazmat employee if you:

- load or unload hazardous materials;
- test, recondition, repair, modify or mark containers, drums, or packages in preparation for offsite transportation
- prepare hazardous materials for shipment offsite
- are responsible for the safety of hazardous materials during transportation
- operate a vehicle used to transport hazardous materials offsite.

Yes, complete

Course 259 - Hazardous Materials Transportation Training (offsite training)

HWM05 [Regulatory Drivers]

- Do you work at a hazardous waste facility * as defined under RCRA (Resource Conservation and Recovery Act)?
- Do you enter or work in areas designated as environmental remediation areas?

Note ! This question applies to employees in the ES&H Hazardous Waste and Environmental Protection and Restoration Departments, specifically Hazardous Waste Technicians and Environmental Remediation Workers.

Job Classifications: Hazardous Waste Technicians, Environmental Remediation Workers

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Task/Hazard Survey Hazardous Waste and Materials

Go to: [\[Survey Index\]](#) [\[Survey Instructions\]](#) [\[Training Plan Form\]](#) [\[Catalog Index\]](#) [\[Course Schedule/Registration\]](#)

HWM01 [\[Regulatory Drivers\]](#)

- Do you handle hazardous chemicals at levels above ordinary household use?
- Do you handle any hazardous waste as part of your job?
- Are you involved in the management or storage of hazardous materials or waste? That is, as a result of your job, are you able to affect the amount and type of hazardous materials used or waste generated?
- Do you use oil products that could discharge into the environment in harmful quantities or reach navigable waters?
- Do you directly supervise an employee who performs any of these tasks?

Yes, complete

Course 105 - Introduction to Hazardous Waste and Materials Management

Prerequisite Training

Course 103, Hazard Communication General Training

or

Course 101, Hazard Communication Supervisor Training

HWM02 [\[Regulatory Drivers\]](#)

- Are you a designated Hazardous Waste and Materials Coordinator (HWMC * ?

Note ! * HWMC's are designated for all groups that generate hazardous waste and are appointed by line management to ensure that the generation of hazardous waste is performed in compliance with environmental laws and regulations. HWMCs shall be trained as necessary to carry out their responsibilities.

Yes, complete

Course 105 - Introduction to Hazardous Waste and Materials Management

And, complete

Course 224 - HWMC Workshops and Annual Refresher Training

Prerequisite Training

Course 103, Hazard Communication General Training

or

Course 101, Hazard Communication Supervisor Training

and

Course 177 - HWMC Initial Training

Course 225 - Office Hazard Recognition Training (if you manage office areas exclusively)
or
Course 156 - Supervisor's Orientation to Occupational Safety in the DOE

GEN03 [Regulatory Drivers]

- Do you supervise employees faced with the risk of occupational illness or injury?
- Are you a department or group safety officer or ES&H Coordinator?

Yes, complete

Course 139 - Safety & Health Self-Inspection Training

Or, complete

Course 225 - Office Hazard Recognition Training (if you manage office areas exclusively)

Or, complete

Course 156 - Supervisor's Orientation to Occupational Safety in the DOE

GEN04 [Regulatory Drivers]

- Are you responsible for providing on-the-job training?

Yes, complete

Course 245 - On-the-Job Trainer Workshop (Recommended Training)

GEN05 [Regulatory Drivers]

- Are you responsible for determining the training requirements for your employees?
- Are you responsible for tracking completion of training requirements for your group, department, or division?

Yes, complete

Course 242 - Task/Hazard Survey and Training Tools Workshop (Recommended Training)

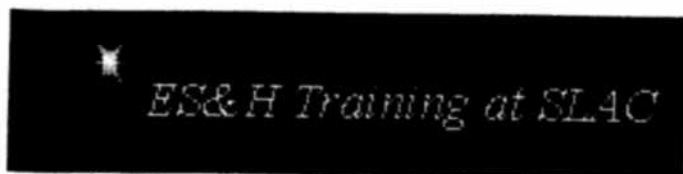
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Task/Hazard Survey General

Go to: [\[Survey Index\]](#) [\[Survey Instructions\]](#) [\[Training Plan Form\]](#) [\[Catalog Index\]](#) [\[Course Schedule/Registration\]](#)

GEN01 [\[Regulatory Drivers\]](#)

- All personnel working at an accelerator facility are required to attend a general environment, safety and health orientation. This orientation covers the hazards present at the facility, recommended health and safety practices, and emergency plans.

Note ! Since October 1, 1994:

- New personnel are required to complete this orientation before they can obtain a permanent SLAC dosimeter.
- Existing personnel must complete the orientation or successfully challenge the course materials (challenge exam) before they can renew their permanent SLAC dosimeter.

Yes, complete

Course 219 - Employee Orientation to Environment, Safety, and Health

and, complete

OJT - Emergency Orientation

GEN02 [\[Regulatory Drivers\]](#)

- Are you a building manager?

Yes, complete

Course 101 - Hazard Communication Supervisor Training

Or, complete

Course 103 - Hazard Communication General Training (adequate only if you manage office areas exclusively)

And, complete

Course 135 - Electrical Safety Awareness Basic (unless you have completed or will complete a more advanced electrical safety training course)

And, complete

Course 157 - Lock & Tag for the Control of Hazardous Energy

Or, complete

Course 136 - Lock & Tag Awareness for Affected Employees (adequate only if you manage office areas exclusively)

and complete one of the following:

Course 139 - Safety & Health Self-Inspection Training

or

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Task/Hazard Survey Emergency Management

Go to: [\[Survey Index\]](#) [\[Survey Instructions\]](#) [\[Training Plan Form\]](#) [\[Catalog Index\]](#) [\[Course Schedule/Registration\]](#)

EM01 [\[Regulatory Drivers\]](#)

- Are you a member of SLAC's Emergency Organization?

Yes, complete

Course 104 - Emergency Management Program Orientation

EM02 [\[Regulatory Drivers\]](#)

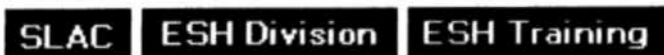
- Do you operate a hand-held or base-station radio as part of your duties as a member of SLAC's Emergency Organization?

Yes, complete

Course 102 - Emergency Radio Communications Orientation

Prerequisite Training

Course 104 - Emergency Management Program Orientation



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- 29 CFR 1910.96(f)(3)(viii) = Ionizing Radiation/Immediate Evacuation Warning Signal
- SLAC ES&H Manual, Chapter 9 (Radiological Safety), Section 3.9 (Personnel)

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- SLAC ES&H Manual, Chapter 9 (Radiological Safety)
 - Section 3.9 (Personnel)
 - Section 8.3 (Radiological Worker Training I and II)

RAD03

- SLAC ES&H Manual, Chapter 9 (Radiological Safety), Section 3.9 (Personnel)
- SLAC Radiological Control Manual (SLAC-I-720-OA05Z-001-R001), Chapter 6 (Training and Qualification), Article 655 (Radiographers and Radiation-Generating Device Operators), Section 6 (Training for Special Applications)

RAD04

- 29 CFR 1910.96(i)(2) = Ionizing Radiation/Instruction of Personnel, Posting
- SLAC Radiological Control Manual (SLAC-I-720-OA05Z-001-R001)
 - Chapter 3 (Conduct of Radiological Work)
 - Article 331 (Controlled Areas)
 - Article 336 (Visitor Entry Requirements)
 - Chapter 6 (Training and Qualification), Section 2 (General Employee Radiological Training)
- SLAC ES&H Manual
 - Chapter 9 (Radiological Safety)
 - Section 3.9 (Personnel)
 - Section 8.2 (General Employee Radiological Training)
 - Chapter 23 (Warning Signs and Devices), Section 8 (Training)

RAD05

- SLAC Radiological Control Manual (SLAC-I-720-OA05Z-001-R001)
 - Chapter 5 (Radiological Health Support Operations), Section 5 (Radiological Monitoring and Surveys)
 - Chapter 6 (Training and Qualification), Section 4 (Radiological Control Technician Qualification), Article 642 (Radiological Control Technician), Article 644 (Radiological Control Technician Supervisor)
- SLAC ES&H Manual, Chapter 9 (Radiological Safety)
 - Section 3.9 (Personnel)
 - Section 8.4 (Health Physics Technician)

RAD06

- SLAC Radiological Control Manual (SLAC-I-720-OA05Z-001-R001), Chapter 6 (Training and Qualification), Article 658 (Limited Radiological Control Assistant)
- SLAC ES&H Manual, Chapter 9 (Radiological Safety)
 - Section 3.9 (Personnel)
 - Section 8.5 (Limited Radiological Controls Assistant)

RAD07

- Procedure for the Certification of Hazardous Waste form RMMA Areas (SLAC-I-720-OA86Z-001-R004)
 - Section 9.3 (Personnel Training and Qualification)
 - Section 10 (Training)
- SLAC ES&H Manual, Chapter 9 (Radiological Safety), Section 3.9 (Personnel)

RAD08

OS15

- 29 CFR 1910.132(f)&.133(a) = Eye & Face Protection/General Requirements
- 29 CFR 1910.132(f)&.136(a) = Foot Protection/General Requirements
- 29 CFR 1910.132(f)&.138(a) = Hand Protection/General Requirements
- 29 CFR 1910.135(a) = Head Protection/General Requirements
- 29 CFR 1910.132(f) = Personal Protective Equipment/General Requirements
- SLAC ES&H Manual, Chapter 19 (Personal Protective Equipment), Section 4.2 (Managers and Supervisors)

OS16

- 29 CFR 1910.132(f)&.133(a) = Eye & Face Protection/General Requirements
- 29 CFR 1910.132(f)&.136(a) = Foot Protection/General Requirements
- 29 CFR 1910.132(f)&.138(a) = Hand Protection/General Requirements
- 29 CFR 1910.135(a) = Head Protection/General Requirements
- 29 CFR 1910.132(f) = Personal Protective Equipment/General Requirements
- SLAC ES&H Manual, Chapter 19 (Personal Protective Equipment), Section 15 (Training)

OS17

- 29 CFR 1910.242 (a) = Hand and Portable Powered Tools and Equipment/General
- SLAC ES&H Manual, Chapter 25 (Tools, Power and Hand-Operated)
 - Section 2.2 (Managers and Supervisors)
 - Section 3 (Training)

OS18

- 29 CFR 1926.302(e)(1) = Power-Operated Hand Tools/ Powder-Actuated Tools
- SLAC ES&H Manual, Chapter 25 (Tools, Power and Hand-Operated), Section 5.5 (Powder-Actuated Fastening Tools)

RAD01

- 10 CFR 835 = Occupational Radiation Protection
- 29 CFR 1910.96(i)(2) = Ionizing Radiation / Instruction of Personnel, Posting
- 29 CFR 1910.96(f)(3)(viii) = Ionizing Radiation/Immediate Evacuation Warning Signal
- SLAC Radiological Control Manual (SLAC-I-720-0A05Z-001-R001)
 - Chapter 3 (Conduct of Radiological Work), Article 334 (Radiation, High Radiation, and Very High Radiation Areas)
 - Chapter 6 (Training and Qualification), Section 3 (Radiological Worker Training), Article 631 (Requirements)
- SLAC ES&H Manual, Chapter 9 (Radiological Safety)
 - Section 3.9 (Personnel)
 - Section 8.3 (Radiological Worker Training I and II)
 - Appendix A (SLAC 10 CFR 835 Commitments)

RAD02

- 29 CFR 1910.96(i)(2) - Ionizing Radiation/Instruction of Personnel, Posting
- 29 CFR 1910.96(f)(3)(viii) = Ionizing Radiation/Immediate Evacuation Warning Signal
- SLAC Radiological Control Manual (SLAC-I-720-0A05Z-001-R001)
 - Chapter 3 (Conduct of Radiological Work), Article 335 (Contamination, High Contamination, and Airborne Radioactivity Areas)
 - Chapter 6 (Training and Qualification), Article 633 (Radiological Worker II)

OS06

- SLAC Self-Assessment Program Plan (SLAC-I-770-0A18A-001)
- SLAC Building Manager Manual (SLAC-I-720-0A03Z-001), Chapter 2 (Responsibilities), Section 3 (Inspections)
- August 3, 1992 Dr. Burton Richter Memo RE: Executing Your Safety Responsibilities

OS07

- 29 CFR 1910.178 = Powered Industrial Trucks/Classroom
- 29 CFR 1910.178 = Powered Industrial Trucks/Operational
- SLAC ES&H Manual, Chapter 13 (Traffic and Vehicular Safety)
 - Section 2.6 (Managers and Supervisors)
 - Section 2.7 (Personnel)

OS08

- 29 CFR 1910.217(e)(3) = Mechanical Power Presses/Inspection, Maintenance
- 29 CFR 1910.217(f)(2) = Mechanical Power Presses/Operation
- 29 CFR 1910.217(h)(13) = Mechanical Power Presses/Pressure Sensing Device Initiation

OS09

- 29 CFR 1910.177(c) = Servicing Multi-Piece & Single Rim Wheels/Employee Training
- 29 CFR 1910.177(f) = Servicing Multi-Piece & Single Rim Wheels/Multi-Piece
- 29 CFR 1910.177(g) = Servicing Multi-Piece & Single Rim Wheels/Single Piece

OS10

- 29 CFR 1910.254(d) = ARC Welding and Cutting, General Requirements
- 29 CFR 1910.252(a)(2)(iii)(B) = Welding, Cutting, and Brazing/Fire Prevention and Protection

OS11

- 29 CFR 1910.253(a)(4) = Oxygen-fuel Gas Welding & Cutting/General Requirements
- 29 CFR 1910.253(e)(6)(ii) = Oxygen-fuel Gas Welding & Cutting/Protective Equipment
- 29 CFR 1910.252(a)(2)(iii)(B) = Welding, Cutting, & Brazing/Fire Prevention and Protection

OS12

- 29 CFR 1910.213(s)(5) = Woodworking Machinery Requirements/Inspection & Maintenance

OS13

- 29 CFR 1910.211-.222 = Machinery and Machine Guarding

OS14

- DOE Order 5480.9 (Construction Safety)
- 29 CFR 1926.20 = General Safety and Health Provisions
- 29 CFR 1926.21 = Safety Training and Education

- 29 CFR 1910.134(a)(3), (b)(3), and (c)(2), (3), (4) – Respiratory Protection/General Requirements
- SLAC ES&H Manual, Chapter 29 (Respirator Program)
 - Section 2.2 (Managers and Supervisors)
 - Section 3 (Training)
- SLAC Radiological Control Manual (SLAC-I-720-0A05Z-001-R001), Chapter 5 (Radiological Health Support Operations), Article 531 (Respiratory Protection Program Requirements)

IH16

- 29 CFR 1910.1030 = Bloodborne Pathogens

IH16A

- 29 CFR 1910.1030(g)(2), (d)(2)(xiv)(B), (e)(2)(ii)(K), (m) = Bloodborne Pathogens

OS01

- 29 CFR 1910.157(g) = Portable Fire Extinguishers/Training and Education
- SLAC ES&H Manual, Chapter 12 (Fire Safety)
 - Section 1 (Responding to a Fire)
 - Section 4.3.3 (Use and Training)

OS02

- 29 CFR 1910.180(b)(3), (h)(3)(xii)&(i)(5)(ii) = Crawler Locomotive & Truck Cranes
- 29 CFR 1910.179(b)(8), (h)(3)(ix), (l)(3)(i)&(O)(3) = Overhead & Gantry Cranes/General Information
- 29 CFR 1910.184(c)(d)&(e)(3)(iii) = Slings/Competent Person Training
- SLAC ES&H Manual, Chapter 13 (Traffic and Vehicular Safety),
 - Section 2.6 (Managers and Supervisors)
 - Section 2.7 (Personnel)

OS03

- 29 CFR 1910.146(g) = Permit Required Confined Space/Affected Employee
- 29 CFR 1910.94(d)(11)(v) and (vi) = Ventilation/Open Surface Tanks - Inspection
- SLAC ES&H Manual, Chapter 6 (Confined Spaces)
 - Section 4.3 (Supervisors of Confined-Space Work)
 - Section 5 (Atmospheric Testing of Confined Spaces)

OS04

- 29 CFR 1910.146(g) = Permit-Required Confined Space/Affected Employee
- 29 CFR 1910.94(d)(11)(v) and (vi) = Ventilation/Open Surface Tanks - Inspection
- SLAC ES&H Manual, Chapter 6 (Confined Space)
 - Section 4.3 (Supervisors of Confined-Space Work)
 - Section 5 (Atmospheric Testing of Confined Spaces)

OS05

- SLAC Self-Assessment Program Plan (SLAC-I-770-0A18A-001)
- SLAC Building Manager Manual (SLAC-I-720-0A03Z-001), Chapter 2 (Responsibilities), Section 3 (Inspections)
- August 3, 1992 Dr. Burton Richter Memo RE: Executing Your Safety Responsibilities

- ANSI 136.1 (1980) - Standard for the Safe Use of Lasers
 - Section 1.3 (Laser Safety Officer)
 - Section 5 (Laser Safety and Training Programs)
 - Section 6 (Medical Surveillance)

IH10A

- SLAC ES&H Manual
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
- Laser Safety Officer
- ANSI 136.1 (1980) - Standard for the Safe Use of Lasers
 - Section 1.3 (Laser Safety Officer)
 - Section 5 (Laser Safety and Training Program)
 - Section 6 (Medical Surveillance)

IH11

- SLAC ES&H Manual, Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
- Laser Safety Officer
- ANSI 136.1 (1980) - Standard for the Safe Use of Lasers
 - Section 1.3 (Laser Safety Officer)
 - Section 5 (Laser Safety and Training Program)

IH12

- SLAC ES&H Manual, Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
- ANSI 136.1 (1980) - Standard for the Safe Use of Lasers, Section 7.2 (Electrical Hazards)

IH13

- 29 CFR 1910.134(a)(3), (b)(3), and (e)(2), (3), (4) = Respiratory Protection/General Requirements
- SLAC ES&H Manual
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
 - Chapter 29 (Respiratory Protection)
 - Section 2.3 (SLAC Personnel and Contract Personnel with SLAC Supervisors)
 - Section 3 (Training) and Section 9.1 (Respirator User's Form)
- SLAC Radiological Control Manual (SLAC-I-720-0A05Z-001-R001), Chapter 5 (Radiological Health Support Questions), Article 531 (Respiratory Protection Program Requirements)

IH14

- 29 CFR 1910.134(a)(3), (b)(3), and (e)(2), (3), (4) = Respiratory Protection/General Requirements
- SLAC ES&H Manual
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
 - Chapter 29 (Respirator Program)
 - Section 3 (Training)
 - Section 9.2 (Dust Mask User's Form)

IH15

- Section 2.5 (Personnel)
- Section 6 (Lead Hazardous Waste Disposal)

IH07

- 29 CFR 1910.1001(j)(7) = Asbestos, Employee Information and Training
- SLAC ES&H Manual
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)

IH07A

- 40 CFR 763 Subpart E, Appendix C = TSCA/Asbestos - Inspectors
- SLAC ES&H Manual
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
 - Chapter 27 (Asbestos), Section 7 (Training)

IH08

- SLAC ES&H Manual
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
- 29 CFR 1910.1044(n)(1) & (2) = 1,2-Dibromo-3-Chloropropane
- 29 CFR 1910.1014(e)(5)(i) & (ii) = 2-Acetylaminofluorene
- 29 CFR 1910.1007(e)(5)(i) & (ii) = 3,3-Dichlorobenzidine (and its salts)
- 29 CFR 1910.1011(e)(5)(i) & (ii) = 4-Aminodiphenyl
- 29 CFR 1910.1015(e)(5)(i) & (ii) = 4-Dimethylaminoazobenzene
- 29 CFR 1910.1003(e)(5)(i) & (ii) = 4-Nitrobiphenyl
- 29 CFR 1910.1045(o)(1) - Acrylonitrile (Vinyl Cyanide)
- 29 CFR 1910.1004(e)(5)(i) & (ii) = Alpha-Naphthylamine
- 29 CFR 1910.1001(j)(7) = Asbestos/Employee Information and Training
- 29 CFR 1910.1028(g)(3)&(j)(3) = Benzene
- 29 CFR 1910.1010(e)(5)(i) & (ii) = Benzidine
- 29 CFR 1910.1009(e)(5)(i) & (ii) = Beta-Naphthylamine
- 29 CFR 1910.1013(e)(5)(i) & (ii) = Beta-Propiolactone
- 29 CFR 1910.1008(e)(5)(i) & (ii) = Bis-Chloromethyl Ether
- 29 CFR 1910.1027(i)(m) & (4), & (n) = Cadmium
- 29 CFR 1910.1043(f)(3),(h),&(i)(1)&(2) = Cotton Dust
- 29 CFR 1910.1047(g)(3) & (j)(3) = Ethylene Oxide
- 29 CFR 1910.1012(e)(5)(i)&(ii) = Ethyleneimine
- 29 CFR 1910.1048(n) = Formaldehyde
- 29 CFR 1910.1018(o)(1) & (2) = Inorganic Arsenic
- 29 CFR 1910.1006(e)(5)(i) & (ii) = Methyl Chloromethyl Ether
- 29 CFR 1910.1016(e)(5)(i)&(ii) = N-Nitroso-Dimethylamine
- 29 CFR 1910.1017(g)(3)&(j)(1)(i) - (ix) = Vinyl Chloride

IH09

- 29 CFR 1910.94(d)(9)(i) and (iv) = Ventilation/Open Surface Tanks - Personal Protection
- SLAC ES&H Manual, Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)

IH10

- SLAC ES&H Manual
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
- Laser Safety Officer

- 29 CFR 1910.120(q)(5) = HAZWOPER/Specialist Employees
- 29 CFR 1910.120(p)(7)(i) = HAZWOPER/TSD Facilities - New Employee
- 29 CFR 1910.120(e)(3)(iv) = HAZWOPER/Workers with 24 Hours Training Who Need Respirators

IH01

- 29 CFR 1910.1200(h) = Hazard Communication/Chemical Specific
- 29 CFR 1910.1200(h) = Hazard Communication/Employee Overview
- 29 CFR 1910.1050(l)(3)&(k)(3), (4) = Methylenedianiline
- SLAC ES&H Manual
 - Chapter 4 (Hazard Communication)
 - Section 2.4 (Personnel)
 - Section 6 (Training)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)

IH02

- 29 CFR 1910.1200(h) = Hazard Communication/Chemical Specific
- 29 CFR 1910.1200(h) = Hazard Communication/Employee Overview
- SLAC ES&H Manual
 - Chapter 4 (Hazard Communication)
 - Section 2.3 (Supervisors)
 - Section 6 (Training)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)

IH03

- SLAC ES&H Manual
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)

IH04

- SLAC ES&H Manual
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)

IH05

- 29 CFR 1910.95(k) = Occupational Noise Exposure/Training Program
- SLAC ES&H Manual,
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
 - Chapter 18 (Hearing Conservation)
 - Section 3.3 (Personnel)
 - Section 8 (Training)

IH06

- 29 CFR 1910.1025(l)(1)&(2) = Lead/Training Program
- SLAC ES&H Manual,
 - Chapter 3 (Medical), Section 3.1.3 (Criteria for "Most Exposed" Classification)
 - Chapter 5 (Industrial Hygiene Program), Section 3.3 (Personnel)
 - Chapter 20 (Lead)

- Section 4.6 (Managers and Supervisors)
 - Section 7 (Hazardous Waste)
 - Section 8 (Radioactive Waste)
- Chapter 24 (Training), Section 4.1 (Managers and Supervisors)
- Chapter 29 (Respirator Program)
 - Section 2.2 (Managers and Supervisors)
 - Section 9.1 (Respirator User's Form)
- SLAC Lock and tag Program for the Control of Hazardous Energy (SLAC-I-730-OA10Z-001), Section 10 (Training)

HWM01

- 40 CFR Part 112 = Oil Pollution Prevention
- 40 CFR Section 112.7 = Guidelines for the Preparation and Implementation of a Spill Prevention Control and Countermeasure Plan
- 40 CFR Section 125.104 = Best Management Practices Programs

HWM02

- SLAC ES&H Manual, Chapter 1 (The SLAC ES&H Program), Section 6.10 (Hazardous Waste and Materials Coordinators)

HWM03

- Procedure for the Certification of Hazardous Waste from RMMA Areas (SLAC-I-720-OA86Z-001-R04)
 - Section 9.3 (Personnel Training and Qualification)
 - Section 10 (Training)

HWM04

- Hazardous Materials Transportation Act:
 - 49 CFR 177.816(b) = Cargo Portable Tanks
 - 49 CFR 175.20 = Carriage by Aircraft
 - 49 CFR 177.800(b)(c) = Carriage by Highway
 - 49 CFR 174.7 = Carriage by Rail
 - 49 CFR 176.13 = Carriage by Vessel
 - 49 CFR 177.816(a) = Driver Training
 - 49 CFR 173.1(b) = Shippers - General
 - 49 CFR 172 (.700 - .704) = Training

HWM05

- 40 CFR 265.16(EPA) = RCRA/Hazardous Waste Personnel Training
- 29 CFR 1910.120(p)(8)(iii) = HAZWOPER/Emergency Response Program - Training
- 29 CFR 1910.120(q)(6)(i) = HAZWOPER/ERT - First Responder Awareness Level
- 29 CFR 1910.120(q)(6)(ii) = HAZWOPER/ERT - First Responder Operations Level
- 29 CFR 1910.120(q)(6)(iv) = HAZWOPER/ERT - Hazardous Materials Specialist
- 29 CFR 1910.120(q)(6)(iii) = HAZWOPER/ERT - Hazardous Materials Technician
- 29 CFR 1910.120(q)(6)(v) = HAZWOPER/ERT - On Scene Incident Commander
- 29 CFR 1910.120(e)(1)&(2) = HAZWOPER/General Training
- 29 CFR 1910.120(e)(3)(i) = HAZWOPER/Initial Training - General Site Workers
- 29 CFR 1910.120(e)(3)(ii) = HAZWOPER/Initial Training - Occasional Workers On Site
- 29 CFR 1910.120(e)(3)(iii) = HAZWOPER/Initial Training - Workers Regularly on Site
- 29 CFR 1910.120(e)(4) = HAZWOPER/Management & Supervisor Training
- 29 CFR 1910.120(q)(4) = HAZWOPER/Skilled Support Personnel

- Subsection 6.9.1 (Appointment)
- o Chapter 8 (Electrical Safety), Section 2.1 (Personnel)

GEN01

- DOE 5480.25 = Accelerator Safety Order
- 29 CFR 1910.147(c)(7) = Control of Hazardous Energy (Lockout/Tagout)/Other Employee
- 29 CFR 1910.38(a) = Employee Emergency Fire Prevention Plan/Emergency Action Plan
- 29 CFR 1910.28(b)(4) = Employee Emergency Fire Prevention Plans/Fire Prevention Plan
- 29 CFR 1910.146(g) = Permit-Required Confined Space/Affected Employee
- 29 CFR 1910.145(c) = Specifications for Accident Prevention Signs and Tags
- SLAC ES&H Manual
 - o Chapter 22 (Waste Minimization and Pollution Prevention), Section 13 (New Personnel)
 - o Chapter 23 Warning Signs and Devices, Section 8 (Training)
- SLAC Lock and Tag Program for the Control of Hazardous Energy, Section 10.3 (Types of Training)

GEN02

- SLAC ES&H Manual, Chapter 7 (Evacuation, Exit Paths, and Emergency Lighting)
 - o Section 2 (Responsibilities)
 - o Section 2.4 (Building Managers)
- SLAC Building Manager Manual (SLAC-I-720-0A03Z-001)
 - o Chapter 1 (Role), Section 3 (Qualifications), Section 5 (Training)
 - o Chapter 2 (Responsibilities)
 - Section 3 (Inspections)
 - Section 5.3 (Security)

GEN03

- SLAC ES&H Manual, Chapter 1 (The SLAC ES&H Program), Section 6.4 (Managers and Supervisors), Section 6.8 (Environment, Safety, and Health Coordinators)

GEN04

- SLAC ES&H Manual
 - o Chapter 5 (Industrial Hygiene Program), Section 7 (Training)
 - o Chapter 19 (Personal Protective Equipment), Section 15 (Training)
 - o Chapter 28 (Accidents, Injuries, and Illnesses), Section 5.2.3 (Corrective Action)
 - o Chapter 30 (Air Quality)
 - Section 2.3 (Managers and Supervisors)
 - Section 5 (Training)

GEN05

- SLAC ES&H Manual
 - o Chapter 5 (Industrial Hygiene Program), Section 3.2 (Managers and Supervisors)
 - o Chapter 8 (Electrical Safety), Section 2.2 (Managers and Supervisors)
 - o Chapter 9 (Radiological Safety)
 - Section 3.8 (Managers and Supervisors)
 - Section 8 (Training)
 - o Chapter 12 (Fire Safety), Section 3.5 (Managers and Supervisors)
 - o Chapter 13 (Traffic and Vehicular Safety), Section 2.6 (Managers and Supervisors)
 - o Chapter 20 (Lead), Section 2.4 (Managers and Supervisors)
 - o Chapter 22 (Waste Minimization and Pollution Prevention),

Distribution

- 29 CFR 1910.332(a)&(b)(i) = Electrical/Training
- 29 CFR 1910.332(b)(i)&(3) = Electrical/Training - Qualified Employee
- SLAC ES&H Manual, Chapter 8 (Electrical Safety), Section 2.1 (Personnel)

ES06

- SLAC ES&H Manual, Chapter 8 (Electrical Safety), Section 2.1 (Personnel)

ES07

- 29 CFR 1910.147(c)(7), (d), (e) & (4) = Control of Hazardous Energy (Lockout/Tagout)/Authorized Employee
- SLAC ES&H Manual, Chapter 8 (Electrical Safety), Section 2.1 (Personnel)
- SLAC Lock and Tag Program for the Control of Hazardous Energy (SLAC-I-730-0A10Z-001)
 - Section 5.2 (Authorized Employee)
 - Section 7.2 (Application of Lock and Tag)
 - Section 10.3 (Types of Training)
 - Section 10.6 (Retraining)

ES07A

- 29 CFR 1910.147(c)(7) = Control of Hazardous Energy (Lockout/Tagout)/Affected Employees
- SLAC ES&H Manual, Chapter 8 (Electrical Safety), Section 2.1 (Personnel)
- SLAC Lock and Tag Program for the Control of Hazardous Energy (SLAC-I-730-0A10Z-001)
 - Section 5.3 (Unauthorized Employee)
 - Section 8.2 (Group Lockout for One Crew)
 - Section 10.3 (Types of Training)
 - Section 10.6 (Retraining)

ES08

- SLAC ES&H Manual, Chapter 8 (Electrical Safety)
 - Section 2.2 (Personnel)
 - Section 9 (Definitions)

ES08A

- SLAC ES&H Manual, Chapter 8 (Electrical Safety)
 - Section 2.1 (Personnel)
 - Section 3.1 (Emergency Preparedness)

ES09

- SLAC ES&H Manual, Chapter 8 (Electrical Safety)
 - Section 2.1 (Personnel)
 - Section 4.2 (Hi-pot Testing)

ES10

- SLAC ES&H Manual
 - Chapter 1 (The SLAC ES&H Program), Section 6.9 (Electrical Safety Coordinators),

Environment, Safety, & Health Division, Stanford Linear Accelerator Center, Last modified: August 26, 1996



Task/Hazard Survey Regulatory Drivers

Go to: [\[Instructions\]](#) [\[Training Plan Form\]](#) [\[Catalog Index\]](#) [\[Course Schedule/Registration\]](#)

Documentation of each driver is available. Please contact [Ruth McDunn](#) (extension 3054 or mcdunn@slac.stanford.edu) for more information.

EM01

- NFPA 1600 Disaster Management Guidelines
- DOE Order 151.1, Comprehensive Emergency Management System

EM02

- NFPA 1600 Disaster Management Guidelines
- DOE Order 151.1, Comprehensive Emergency Management System

ES01

- 29 CFR 1910.332(a)&(b)(i) = Electrical/Training
- SLAC ES&H Manual, Chapter 8 (Electrical Safety), Section 2.1 (Personnel)

ES02

- 29 CFR 1910.332(a)&(b)(i) = Electrical/Training
- 29 CFR 1910.332(b)(i)&(2) = Electrical/Training - Unqualified Employee
- SLAC ES&H Manual, Chapter 8 (Electrical Safety), Section 2.1 (Personnel)

ES03

- 29 CFR 1910.332(a)&(b)(i) = Electrical/Training
- 29 CFR 1910.332(b)(i)&(3) = Electrical/Training - Qualified Employee
- SLAC ES&H Manual, Chapter 8 (Electrical Safety), Section 2.1 (Personnel)

ES04

- 29 CFR 1910.332(a)&(b)(i) = Electrical/Training
- 29 CFR 1910.332(b)(i)&(3) = Electrical/Training - Qualified Employee
- SLAC ES&H Manual, Chapter 8 (Electrical Safety), Section 2.1 (Personnel)

ES05

- 29 CFR 1910.269(a)(1)(i), (a)(2) = Electrical Power Generation, Transmission, and <http://www.slac.stanford.edu/esh/training/trainops/legals.html>

SLAC **ESH Division** **ESH Training**

Page Owner: Ruth McDunn

Yes, complete

Medical - CPR/First Aid

And, complete

OJT - Safety Watch

ES08A [Regulatory Drivers]

- Do you work in a high hazard * area?

Note ! * A high hazard area is defined as a Severe Class B Hazard Situation, such as working on equipment energized during manipulation, observation, and monitoring, with guards removed. See the SLAC ES&H Manual, Chapter 8 (Electrical Safety), Table 8.1 (Personnel Requirements) for more information.

Yes, complete

Medical - CPR/First Aid

And, complete

OJT - High Hazard Work Procedures

ES09 [Regulatory Drivers]

- Do you perform hi-pot testing * ?

Note ! * Hi-potting is a procedure used to test the insulation integrity of electrical equipment and circuits by applying voltage that is greater than the operating voltage of the equipment or circuit being tested. This is a very hazardous procedure and may only be performed under specified conditions.

Yes, complete

OJT - Hi-pot Testing

ES10 [Regulatory Drivers]

- Have you been appointed as the Electrical Safety Coordinator* for your group, department, or division?

Note ! * Electrical Safety Coordinators (ESCs) are appointed by their associate director for groups involved in any electrical or electronic work. The role of the ESC is to promote a safe work environment by discovering electrical hazards and initiating corrective actions.

Yes,

Training varies -- Complete the same electrical safety training course(s) required or recommended for the employees of the group you coordinate. For example, if you are the ESC for painters or other non-qualified electrical workers, complete **Electrical Safety for Non-electrical Workers**, Course 239.

- Do you design, specify, inspect, or engineer electrical equipment or distribution systems that carry at or above 50 volts (AC or DC)?

Job Classifications: Electrical engineers, designers, and engineers in the Controls or Power Conversion Departments.

Yes, complete

Course 256 - Grounding (Recommended training, available off-site)

Yes, complete

Course 260 - National Electric Code Training (Recommended training, available off-site)

ES07 [Regulatory Drivers]

- Do you maintain, service, or operate machinery or equipment that uses electrical or non-electrical (hydraulic, thermal, chemical, mechanical) energy?
- Are you involved in developing or writing lock and tag procedures? **Now!**
- Do you directly supervise an employee who performs any of these tasks?

Note ! * OSHA requires that this machinery or equipment be de-energized and the energy source(s) locked out before maintenance or service. SLAC has a Lock & Tag Program in place to meet this OSHA requirement.

Yes, complete

Course 157 - Lock and Tag Program for the Control of Hazardous Energy

ES07A [Regulatory Drivers]

- Do you operate any machinery or equipment that may be locked or tagged out during maintenance, but you do not apply the lock and tag yourself?

Note ! Course 136 is the first lesson in Course 157 (Lock and Tag for the Control of Hazardous Energy) so Course 157 is more than adequate to meet this training requirement.

Yes, complete

Course 136 - Lock and Tag Awareness for Affected Employees

ES08 [Regulatory Drivers]

- Do you perform Safety Watch * duties?

Note ! * Safety Watch: This is an employee whose specific duties are to observe the worker(s) and operations being performed, prevent careless acts, quickly de-energize the equipment in an emergency, and alert emergency rescue personnel.

- Development (R&D) equipment operating at or above 50 volts (AC or DC)?
- Do you perform maintenance on or installation work with such equipment?
- Do you directly supervise an employee who performs any of these jobs?

Job Classifications: Physicist; engineering physicist; engineering scientist; technicians from the Power Conversion, Controls, and Vacuum Departments; direct supervisors of these employees.

Equipment Examples: Power supplies, capacitors, modulators, lasers, ion pumps.

Yes, complete

Course 251 - Electrical Safety for R&D Equipment

And, complete

OJT - Electrical Safety, R&D Equipment Procedures

ES04 [Regulatory Drivers]

- Do you perform maintenance on or installation work with equipment that operates at or below 600 volts AC or 150 volts DC?
- Do you directly supervise an employee who performs any of these tasks?

Job Classifications: Electricians who install, maintain, or repair the described energized or de-energized systems or equipment, and their direct supervisors.

Equipment Examples: 120 and 480 volt motors, transformers, breakers, switches, distribution panels, and installation and modification of wiring.

Yes, complete

Course 243 - Electrical Safety, Low Voltage

Or, complete

Course 274 - Electrical Safety, Low and High Voltage **New!**

And, complete

OJT - Electrical Safety Procedures

ES05 [Regulatory Drivers]

- Do you perform maintenance on or installation work with equipment that operates above 600 volts AC?
- Do you operate or maintain electric power generation, control, or transformation lines or equipment?
- Do you directly supervise an employee who performs any of these tasks?

Job Classifications: High voltage electricians and their supervisors.

Equipment Examples: 12.47 kV switchgear, transformers, high voltage cables.

Yes, complete

Course 112 - Electrical Safety, High Voltage

Or, complete

Course 274 - Electrical Safety, Low and High Voltage **New!**

And, take

OJT - Electrical Safety Procedures

ES06 [Regulatory Drivers]

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Task/Hazard Survey Electrical Safety

Go to: [\[Survey Index\]](#) [\[Survey Instructions\]](#) [\[Training Plan Form\]](#) [\[Catalog Index\]](#) [\[Course Schedule/Registration\]](#)

ES01 [\[Regulatory Drivers\]](#)

- Do you use standard electrical appliances that operate at or above 50 volts AC or DC (such as office machines, computers, hand tools) under normal conditions (that is, without exposed energized electrical conductors)?

Job Classifications: Employee who uses electrical appliances but has not received any other electrical safety training at SLAC.

Yes, complete

Course 135 - Electrical Safety Awareness, Basic (Recommended Training)

Note ! Do not take Course 135 if you have completed or will complete at least one other electrical safety course at SLAC. Course 135 is *not* a prerequisite for any other electrical safety training courses.

ES02 [\[Regulatory Drivers\]](#)

- Do you work near potential electrical hazards (that is, exposed energized electrical conductors) at or above 50 volts AC or DC, but you are not a qualified electrical worker?
- Do you directly supervise an employee who performs any of these tasks?

Note ! This training applies to employees who face a risk of electric shock that is not reduced to a safe level by the electrical installation requirements.

Job Classifications: Painters, carpenters, mechanics, building managers, operators, and their supervisors.

Equipment Examples: Exposed energized electrical conductors in equipment or distribution systems such as junction boxes.

Yes, complete

Course 239 - Electrical Safety for Non-Electrical Workers

ES03 [\[Regulatory Drivers\]](#)

- Are you a physicist or scientific staff member who works with, on, or near Research and

Most Exposed Employee Medical Monitoring Program

Contact the SLAC Medical Department and confirm employee participation in the appropriate MEEMM Program.

Asbestos
Required?---YES---NO---If YES, date completed: _____

Carcinogens
Required?---YES---NO---If YES, date completed: _____

Dust Mask User
Required?---YES---NO---If YES, date completed: _____

Lasers
Required?---YES---NO---If YES, date completed: _____

Lead
Required?---YES---NO---If YES, date completed: _____

Noise
Required?---YES---NO---If YES, date completed: _____

Plating Shop
Required?---YES---NO---If YES, date completed: _____

Respirator User
Required?---YES---NO---If YES, date completed: _____

Welding
Required?---YES---NO---If YES, date completed: _____

SLAC**ESH Division****ESH Training**

Page Owner: Ruth McDunn

- 272 - National Electric Code (NEC) Workshop
Recommended?---YES---NO---If YES, date completed: _____
- 274 - Electrical Safety, Low and High Voltage
Required?---YES---NO---If YES, date completed: _____

Other Training

CPR/First Aid

Required?---YES---NO---If YES, date completed: _____

Offsite - HAZWOPER Training (job duty specific)

Required?---YES---NO---If YES, date completed: _____

Explosive-actuated Fastening Tools

Required?---YES---NO---If YES, date completed: _____

PED -- Cranes and Slings

Required?---YES---NO---If YES, date completed: _____

PED -- Powered Industrial Truck License

Required?---YES---NO---If YES, date completed: _____

SHA Dept -- Respirator Fit Testing

Required?---YES---NO---If YES, date completed: _____

On-the-job Training

Electrical Safety Procedures

Required?---YES---NO---If YES, date completed: _____

Emergency Orientation

Required?---YES---NO---If YES, date completed: _____

HazCom Work-Area Training

Required?---YES---NO---If YES, date completed: _____

Hi-pot Testing

Required?---YES---NO---If YES, date completed: _____

High Hazard Work Procedures

Required?---YES---NO---If YES, date completed: _____

Mechanical Power Press

Required?---YES---NO---If YES, date completed: _____

Personal Protective Equipment

Required?---YES---NO---If YES, date completed: _____

Power/Hand Tools

Required?---YES---NO---If YES, date completed: _____

Powered Industrial Truck

Required?---YES---NO---If YES, date completed: _____

Radiation Generating Device

Required?---YES---NO---If YES, date completed: _____

RMMA - Hazardous Waste

Required?---YES---NO---If YES, date completed: _____

RMMA - Radiological Waste

Required?---YES---NO---If YES, date completed: _____

Safety Watch

Required?---YES---NO---If YES, date completed: _____

Single/Multi-piece Rim Wheels

Required?---YES---NO---If YES, date completed: _____

Welding Fire Watch

Required?---YES---NO---If YES, date completed: _____

Woodworking Tools

Required?---YES---NO---If YES, date completed: _____

- Required?---YES---NO---If YES, date completed: _____
- 156 - Supervisor's Orientation to Occupational Safety in the DOE
(See Courses 139 and 225 for on-site training)
Required?---YES---NO---If YES, date completed: _____
- 157 - Lock & Tag Program for the Control of Hazardous Energy
Required?---YES---NO---If YES, date completed: _____
- 177 - HWMC Initial Training (see also Course 224)
Required?---YES---NO---If YES, date completed: _____
- 178 - Construction Safety in the DOE
Required?---YES---NO---If YES, date completed: _____
- 198 - Machine Guarding
Required?---YES---NO---If YES, date completed: _____
- 219 - Employee Orientation to Environment, Safety, and Health
Required?---YES---NO---If YES, date completed: _____
- 222 - Hearing Conservation (computer-based self-study)
Required?---YES---NO---If YES, date completed: _____
- 224 - HWMC Quarterly Workshops and Annual Refresher
Required?---YES---NO---If YES, date completed: _____
- 225 - Office Hazard Recognition Training
Required?---YES---NO---If YES, date completed: _____
- 237 - Radiological Control Technician Training
Required?---YES---NO---If YES, date completed: _____
- 238 - Limited Radiological Controls Assistant Training
Required?---YES---NO---If YES, date completed: _____
- 239 - Electrical Safety for Non-Electrical Workers
Required?---YES---NO---If YES, date completed: _____
- 240 - Lead Safety
Required?---YES---NO---If YES, date completed: _____
- 241 - Respirator Safety (computer-based self-study)
Required?---YES---NO---If YES, date completed: _____
- 242 - Task/Hazard Survey and Training Tools Workshop
Recommended?---YES---NO---If YES, date completed: _____
- 243 - Electrical Safety, Low Voltage
Required?---YES---NO---If YES, date completed: _____
- 244 - Atmospheric Testing Equipment for Confined Spaces
Required?---YES---NO---If YES, date completed: _____
- 245 - On-the-Job Trainer Workshop
Recommended?---YES---NO---If YES, date completed: _____
- 250 - Radiological Worker II Training, Contamination Control (RWTII)
Required?---YES---NO---If YES, date completed: _____
- 251 - Electrical Safety for R&D Equipment
Required?---YES---NO---If YES, date completed: _____
- 252 - Laser Safety Basics (computer-based self-study)
Recommended?---YES---NO---If YES, date completed: _____
- 253 - Laser Worker Safety (computer-based self-study)
Required?---YES---NO---If YES, date completed: _____
- 254 - Laser Safety for Research Staff (computer-based self-study)
Required?---YES---NO---If YES, date completed: _____
- 255 - Supervisors Orientation to Personal Protective Equipment
Required?---YES---NO---If YES, date completed: _____
- 256 - Grounding (Electrical)
Recommended?---YES---NO---If YES, date completed: _____
- 257 - Asbestos Inspector Training
Required?---YES---NO---If YES, date completed: _____
- 258 - Bloodborne Pathogens
Required?---YES---NO---If YES, date completed: _____
- 259 - Hazardous Materials Transportation Training
Required?---YES---NO---If YES, date completed: _____
- 260 - National Electric Code (NEC) Training
Recommended?---YES---NO---If YES, date completed: _____

Environment, Safety, & Health Division, Stanford Linear Accelerator Center, Last modified: August 26, 1996



ES&H Training at SLAC

Task/Hazard Survey Individual Training Plan Form

Go to: [\[Instructions\]](#) [\[Course Schedule/Registration\]](#)

Employee Name _____

Supervisor _____

Date _____

Reason For Completion

- _____ New Hire/Transfer
_____ Annual Performance Review
_____ Change in Duties/Hazard Expoure

ES&H Division Courses

- 101 - Hazard Communication Supervisor Training
Required?---YES---NO---If YES, date completed: _____
- 102 - Emergency Radio Communications Orientation
Required?---YES---NO---If Yes, Date Completed: _____
- 103 - Hazard Communication General Training
Required?---YES---NO---If YES, date completed: _____
- 104 - Emergency Management Program Orientation
Required?---YES---NO---If YES, date completed: _____
- 105 - Introduction to Hazardous Waste and Materials Management
Required?---YES---NO---If YES, date completed: _____
- 107 - Introduction to the Personnel Protection System at SLAC
Required?---YES---NO---If YES, date completed: _____
- 108 - Fire Extinguisher Training
Required?---YES---NO---If YES, date completed: _____
- 112 - Electrical Safety, High Voltage
Required?---YES---NO---If YES, date completed: _____
- 115 - General Employee Radiological Training (GERT)
Required?---YES---NO---If YES, date completed: _____
- 116 - Radiological Worker I Training (RWTI)
Required?---YES---NO---If YES, date completed: _____
- 135 - Electrical Safety Awareness - Basics
Recommended?---YES---NO---If YES, date completed: _____
- 136 - Lock and Tag Awareness for Affected Employees
Required?---YES---NO---If YES, date completed: _____
- 139 - Safety and Health Self-Inspection Training

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Task/Hazard Survey Index

Go to: [\[Instructions\]](#) [\[Training Plan Form\]](#)

The Task/Hazard Survey is presented here as a series of questions based on hazard exposure. Record positive answers to the survey questions on the ES&H Individual Training Plan Form.

- [Electrical Safety](#)
- [Emergency Management](#)
- [General Topics](#)
- [Hazardous Waste and Materials\)](#)
- [Industrial Hygiene](#)
- [Occupational Safety](#)
- [Radiological Safety](#)

SLAC **ESH Division** **ESH Training**

Page Owner: Ruth McDunn

OS15 [Regulatory Drivers]

- Do you perform workplace analysis to determine if you supervise any employees who work where hazards are present, or are likely to be present, that would necessitate use of Personal Protective Equipment (PPE) to protect the employee's eyes, face, head, feet, body, hands or from falls?

Yes, complete

Course 245 - On-the-Job Trainer Workshop (Recommended Training)

And, complete

Course 255 - Supervisors Orientation to Personal Protective Equipment (course under development)

OS16 [Regulatory Drivers]

- Have you been assigned by your supervisor to wear any type of personal protective equipment (other than a respirator, see questions IH13 and IH14 for respirator requirements) to perform any part of your job safely?

Yes, complete

OJT - Personal Protective Equipment

OS17 [Regulatory Drivers]

- Do you use power or hand-operated tools on the job?

Yes, complete

OJT - Power/Hand Tools

OS18 [Regulatory Drivers] *New!*

- Do you any operate powder-actuated fastening tool * ?

Note ! * This does not include devices designed for attaching objects to soft construction materials such as wood, plaster, far; drywall or stud welding equipment.

Yes, complete

Offsite Training - Only personnel who have received the manufacturer's training and have been licensed may operate explosive-actuated fastening tools.

SLAC**ESH Division****ESH Training**

Page Owner: Ruth McDunn

- Do you operate, maintain, or repair arc-welding or cutting equipment?
- Are you involved in testing preservative coatings before welding, cutting, or heating?
- Do you perform fire watch duties during welding, cutting, or heating operations?
- Do you directly supervise any employee who performs any of these jobs?

Yes, complete

Course 108 - Fire Extinguisher Training

And, complete

OJT - Welding Fire Watch

OS11 [Regulatory Drivers]

- Do you operate, maintain, or repair oxygen gas fuel welding or cutting equipment?
- Are you involved in testing preservative coatings before welding, cutting, or heating?
- Do you perform fire watch duties during welding, cutting, or heating operations?
- Do you directly supervise an employee who performs any of these tasks?

Yes, complete

Course 108 - Fire Extinguisher Training

And, complete

OJT - Welding Fire Watch

OS12 [Regulatory Drivers]

- Do you sharpen or tension saw blades or cutters for woodworking tools * ?

Note !

* These tools include: rip saws; crosscut table saws; circular saws; swing cutoff saws; band saws; jointers; tenoning machines; boring and mortising machines; wood shapers; planing, moulding, sticking and matching machines; profile and swinghead lathes; sanding machines; veneer cutters and other unusual woodworking machines.

Yes, complete

OJT - Woodworking Tools

OS13 [Regulatory Drivers]

- Are you directly involved in the design or maintenance of machine guards or guarding mechanisms?

Yes, complete

Course 198 - Machine Guarding (*off-site training*)

OS14 [Regulatory Drivers]

- Are you involved in direct oversight of construction projects or personnel?
- Are you involved with the negotiation of subcontracts with construction firms?

Yes, complete

Course 178 - Construction Safety in the DOE (*off-site training*)

<http://www.slac.stanford.edu/esh/training/trainops/os.html>

Yes, complete

Course 225 - Office Hazard Recognition Training

OS07 [Regulatory Drivers]

- Do you operate a powered industrial truck* to perform your work?

Note !

* A powered industrial truck is a mobile, power-propelled truck used to carry, push, pull, lift, stack, or tier material. This includes fork trucks, platform trucks, motorized hand trucks, and other specialized industrial trucks powered by electric motors or internal combustion engines.

Yes, complete

PE DEPT - Contact the Plant Engineering Department for powered industrial truck license information

And, complete

OJT - Powered Industrial Truck

OS08 [Regulatory Drivers]

- Do you operate, maintain, or inspect mechanical power-press machines?
- Do you care for, inspect, or maintain any power presses that can be use in Pressure Sensing Device Initiation mode of operation?

Note !

It is the responsibility of the employer to ensure the original and continuing competence of personnel caring for, inspecting, and maintaining power presses. The employer will train and instruct the operator in the safe method of work before starting work on any operation covered by this section. The employer will insure, by adequate supervision, that correct operating procedures are being followed.

Yes, complete

OJT - Mechanical Power Press

OS09 [Regulatory Drivers]

- Do you service single or multi-piece rim wheels on large vehicles* such as trucks, tractors, buses and off-road machines?

Note !

* Autos, trucks and vans with tires designated as "LT" are exempt from this regulation.

Yes, complete

OJT - Single/Multi-Piece Rim Wheels

OS10 [Regulatory Drivers]

1. Large enough to allow whole body entry.
2. Has poor, awkward, or otherwise limited entry or entrance.
3. Is unequipped and unsuitable for continuous human occupancy.

That is, the space is unventilated, unlighted, flooded, possesses unstable or non-horizontal walking or working surfaces, and/or lacks evacuation alarms.

A permit-required confined space (PRCS) is a confined space that also has an identified hazard (such as low oxygen content or a toxic atmosphere) that cannot be eliminated prior to entry or is created after entry from the work being performed in the space.

SLAC policy does not allow SLAC personnel to enter any permit-required confined spaces.

Yes, complete

Course 219 - Employee Orientation to Environment, Safety, and Health (*Awareness training only*)

And, complete

Course 244 - Atmospheric Testing Equipment for Confined Space Entry

OS04 [Regulatory Drivers]

- Do you directly supervise any employee who performs work within a confined space?

Yes, complete

Course 219 - Employee Orientation to Environment, Safety, and Health (*Awareness training only*)

And, complete

Course 244 - Atmospheric Testing Equipment for Confined Space Entry

OS05 [Regulatory Drivers]

- Do you have line management responsibility to perform occupational safety and health inspections for at least one physical area at SLAC that includes non-office areas?

Note ! This question may apply to building managers, line supervisors, and others with collateral safety responsibilities. If your inspection area consists exclusively of office areas, go to question OS06.

Yes, complete

Course 139 - Safety & Health Self Inspection Training

OS06 [Regulatory Drivers]

- Do you have line management responsibility* to perform occupational safety and health inspections for at least one physical area at SLAC and that area consists exclusively of offices?

Note ! * This question may apply to building managers, line supervisors, and others with collateral safety responsibilities.

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Task/Hazard Survey Occupational Safety

Go to: [\[Survey Index\]](#) [\[Survey Instructions\]](#) [\[Training Plan Form\]](#) [\[Catalog Index\]](#) [\[Course Schedule/Registration\]](#)

OS01 [\[Regulatory Drivers\]](#)

- Do you plan to use a portable fire extinguisher in the event of a fire emergency?

Yes, complete

Course 108 - Fire Extinguisher Training

Note ! Training is required only if employee plans to use a fire extinguisher in the event of a fire emergency. However, fire extinguisher training is recommended for all employees.

OS02 [\[Regulatory Drivers\]](#)

- Do you operate an overhead, gantry, crawler, locomotive or truck crane * ?
- Do you use a sling * ?

Note ! * A crane is a machine for lifting and lowering a load and moving it horizontally, with the hoisting mechanism an integral part of the machine.

Note ! * A sling is used in conjunction with other material handling equipment for movement of material by hoisting. Slings can be made from alloy steel chain, wire rope, metal mesh, natural or synthetic fiber rope, and synthetic web.

Yes, complete

PED - Contact Plant Engineering (PED) for crane and sling licensing information.

And, complete

OJT - Mobile Equipment

OS03 [\[Regulatory Drivers\]](#)

- Do you perform work in a confined space * ?

Note ! * A confined space is an enclosed space that meets all of the following criteria. It is:

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ES&H Training at SLAC

Course Catalog

Go to: [\[Catalog Index\]](#) [\[Task/Hazard Survey\]](#) [\[Course Schedule/Registration\]](#)

Fire Extinguisher Training and Demonstration Course 108

Purpose

This 30-minute course provides an orientation to the safe and proper use of portable fire extinguishers. Proper extinguisher use is demonstrated and hands-on experience is provided for participants.

Who Should Attend

Any employee who plans to use a fire extinguisher in the event of a fire must be trained. This training is required for employees (and their direct supervisors) who operate, maintain, or repair arc or oxygen gas fuel welding equipment. All personnel could benefit from this training.

Task/Hazard Survey Reference(s)

[\[OS01\]](#) [\[OS10\]](#) [\[OS11\]](#)

Instructors

[Palo Alto Fire Department](#) or e-mail to pafd@slac.stanford.edu

Class Length

30 minutes

Retraining

To maintain certification to use a fire extinguisher, refresher training is required annually. Alternate year refresher training may be accomplished by viewing a 15 minute videotape. Contact [Ruth McDunn](#) or e-mail to mcdunn@slac.stanford.edu for more information.

SLAC

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SLAC **ESH Division**

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What training have I completed?

- ☐ Individual ES&H Training History Reports
- ☐ Department ES&H Training Reports

What training do I need?

- ☐ Task/Hazard Survey

What training is available?

- ☐ Course Catalog
- ☐ Web Based Training
- ☐ Videotape Library

How do I register for a class?

- ☐ Class Schedule and Registration Form
- ☐ Text Only Class Schedule
- ☐ Text Only Registration Form

Frequently asked questions

- ☐ What type of Dosimeter do I need?

SLAC

ESH Division

ESH Training

Page Owner: Ruth McDunn

- ☐ Sep 24, 1996 -- TUE, 9:00 am - 3:00 pm IR4 - B641
- ☐ Oct 29, 1996 -- TUE, 9:00 am - 3:00 pm IR4 - B641
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

Respiratory Safety (#241)

Computer Based Training. Call Ruth McDunn for an appointment.

[\[Top of Form\]](#)

Safety and Health Self-Inspection Training (#139)

- ☒ None
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

Supervisor's Orientation to OSHA (#156)

No longer offered. See substitute courses - Safety and Health Self-Inspection Training (#139) or Office Hazard Recognition Training (#225)

[\[Top of Form\]](#)

Supervisor's Orientation to Personal Protective Equipment (#255)

- ☒ None
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

Task/Hazard Survey and Training Tools Workshop (#242)

- ☒ None
- ☐ Oct 16, 1996 -- Wed, 2:00 pm - 3:15 pm TCC-AB
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

- ☒ None
- ☐ Nov 07, 1996 -- THU, 8:30 am - 11:30 am TCC-AB
- ☐ Waiting list for future session

[Top of Form]

Machine Guarding (#198)

Offsite training only, contact Ruth McDunn for more information.

[Top of Form]

National Electric Code Training (#260)

Offsite training only, contact Ishwar Garg for more information.

[Top of Form]

National Electric Code Workshop (#272)

No sessions currently planned. Call the instructor, Ishwar Garg for more information.

[Top of Form]

Office Hazard Recognition Training (#225)

- ☒ None
- ☐ Waiting list for future sessions

[Top of Form]

On-the-job Trainer Workshop (#245)

- ☒ None
- ☐ Waiting list for future sessions

[Top of Form]

Radiological Worker II Training (Contamination Control), RWTII (#250)

- ☒ None

Laser Safety -- Basic (#252)

Computer Based Training. Call Hope Johnson for an appointment.

[Top of Form]

Laser Safety for Research Staff (#254)

Computer Based Training. Call Hope Johnson for an appointment.

[Top of Form]

Laser Worker Safety (#253)

Computer Based Training. Call Hope Johnson for an appointment.

[Top of Form]

Lead Safety (#240)

- ☒ None
- ☐ Waiting list for future sessions

[Top of Form]

Limited Radiological Controls Assistant Training (#238)

Instructor will notify those who need this course when they renew their dosimeter/picture id.

[Top of Form]

Lock and Tag Awareness Training (#136)

- ☒ None
- ☐ Nov 07, 1996 -- THU, 8:30 am - 9:45 am TCC-AB
- ☐ Waiting list for future sessions

[Top of Form]

Lock and Tag Program for the Control of Hazardous Energy (#157)

[\[Top of Form\]](#)

Hazardous Materials Transportation Training (#259)

Offsite training only, contact [Ruth McDunn](#) for more information.

[\[Top of Form\]](#)

Hazardous Waste and Materials Coordinator (HWMC) Workshops and Refresher Training (#224)

- ☒ None
- ☐ Nov 06, 1996 -- Wed, 8:30 am - 11:30 am TCC-AB
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

Hearing Conservation (#222)

Computer Based Training. Call [Ruth McDunn](#) for an appointment.

[\[Top of Form\]](#)

Introduction to Pollution Prevention and Hazardous Waste/Materials Management (#105)

- ☒ None
- ☐ Oct 02, 1996 -- WED, 8:00 am - 12:00 n TCC-AB
- ☐ Dec 04, 1996 -- WED, 8:00 am - 12:00 n TCC-AB
- ☐ Jan 08, 1997 -- WED, 8:00 am - 12:00 n TCC-AB
- ☐ Feb 12, 1997 -- WED, 8:00 am - 12:00 n TCC-AB
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

Introduction to the Personal Protection System at SLAC (#107)

- ☒ None
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

Electrical Safety, Low and High Voltage (#274)

- ☒ None
☐ Waiting list for future sessions

[\[Top of Form\]](#)

Emergency Management Program Orientation (#104)

- ☒ None
☐ Waiting list for future sessions [\[Top of Form\]](#)

Emergency Radio Communications Orientation (#102)

- ☒ None
☐ Waiting list for future sessions

[\[Top of Form\]](#)

Grounding -- Electrical (#256)

Offsite training only, contact [Ishwar Garg](#) for more information.

[\[Top of Form\]](#)

Hazard Communication General Training (#103)

- ☒ None
☐ Nov 05, 1996 -- TUE, 9:00 am - 11:00 am [TCC-AB](#)
☐ Feb 11, 1997 -- TUE, 9:00 am - 11:00 am [TCC-AB](#)
☐ Waiting list for future sessions

[\[Top of Form\]](#)

Hazard Communication Supervisor Training (#101)

- ☒ None
☐ Oct 16, 1996 -- WED, 8:30 am - 12:00 n [TCC-AB](#)
☐ Jan 23, 1997 -- THU, 8:30 am - 12:00 n [TCC-AB](#)
☐ Waiting list for future sessions

CPR/First Aid (#138)

Contact the Medical Department (ext. 2281) to register.

[\[Top of Form\]](#)

Electrical Safety Awareness -- Basic (#135)

- ☒ None
- ☐ Waiting list for future sessions

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Electrical Safety - High Voltage (#112)

No longer offered. See substitute course - [Electrical Safety, Low and High Voltage](#)

[\[Top of Form\]](#)

Electrical Safety - Low Voltage (#243)

No longer offered. See substitute course - [Electrical Safety, Low and High Voltage](#)

[\[Top of Form\]](#)

Electrical Safety for Non-Electrical Workers (#239)

- ☒ None
- ☐ Nov 13, 1996 -- WED, 8:30 am - 11:30 am [TCC-AB](#)
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

Electrical Safety for R&D Equipment (#251)

- ☒ None
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

- ☐ Oct 23, 1996 -- Wed, 8:00 am - 12:00 n (Short Version) TCC-AB
- ☐ Nov 20, 1996 -- WED, 8:00 am - 12:00 n (Short Version) TCC-AB
- ☐ Nov 26, 1996 -- TUE, 8:00 am - 5:00 pm TCC-AB
- ☐ Dec 11, 1996 -- WED, 8:00 am - 12:00 n (Short Version) TCC-AB
- ☐ Dec 16, 1996 -- MON, 8:00 am - 5:00 pm TCC-AB
- ☐ Jan 15, 1997 -- WED, 8:00 am - 12:00 n (Short Version) TCC-AB
- ☐ Jan 27, 1997 -- MON, 8:00 am - 5:00 pm TCC-AB
- ☐ Feb 05, 1997 -- WED, 8:00 am - 12:00 n (Short Version) TCC-AB
- ☐ Feb 24, 1997 -- MON, 8:00 am - 5:00 pm TCC-AB
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

All Other Courses (listed alphabetical by course name)

Index by Course # [\[101\]](#) [\[102\]](#) [\[103\]](#) [\[104\]](#) [\[105\]](#) [\[107\]](#) [\[112\]](#) [\[135\]](#) [\[136\]](#) [\[138\]](#) [\[139\]](#) [\[156\]](#) [\[157\]](#)
[\[178\]](#) [\[198\]](#) [\[222\]](#) [\[224\]](#) [\[225\]](#) [\[238\]](#) [\[239\]](#) [\[240\]](#) [\[241\]](#) [\[242\]](#) [\[243\]](#) [\[244\]](#) [\[245\]](#) [\[250\]](#) [\[251\]](#) [\[252\]](#)
[\[253\]](#) [\[254\]](#) [\[255\]](#) [\[256\]](#) [\[257\]](#) [\[258\]](#) [\[259\]](#) [\[260\]](#) [\[272\]](#) [\[274\]](#)

Asbestos Inspector Training (#257)

Offsite training only, contact [Ruth McDunn](#) for more information.

[\[Top of Form\]](#)

Atmospheric Testing Equipment for Confined Spaces (#244)

- ☒ None
- ☐ Waiting list for future sessions

[\[Top of Form\]](#)

Bloodborne Pathogens (#258)

Offsite training only, contact [Ruth McDunn](#) for more information.

[\[Top of Form\]](#)

Construction Safety in the DOE (#178)

Offsite training only, contact [Ruth McDunn](#) for more information.

[\[Top of Form\]](#)

- ☐ Jan 07, 1997 -- TUE, 3:10 pm - 5:00 pm TCC-AB
- ☐ Jan 22, 1997 -- WED, 10:10 am - 12:00 n TCC-AB
- ☐ Feb 13, 1997 -- THU, 10:10 am - 12:00 n TCC-AB
- ☐ Feb 19, 1997 -- WED, 10:10 am - 12:00 n TCC-AB
- ☐ Waiting list for future sessions

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FireExtinguisher Training (#108)

- ☒ None
- ☐ Sep 11, 1996 -- Wed, 1:30 pm - 2:00 pm FIRE
- ☐ Oct 09, 1996 -- Wed, 1:30 pm - 2:00 pm FIRE
- ☐ Nov 13, 1996 -- Wed, 1:30 pm - 2:00 pm FIRE
- ☐ Dec 11, 1996 -- Wed, 1:30 pm - 2:00 pm FIRE
- ☐ Jan 08, 1997 -- WED, 1:30 pm - 2:00 pm FIRE
- ☐ Feb 12, 1997 -- WED, 1:30 pm - 2:00 pm FIRE
- ☐ Waiting list for future sessions

[Top of Form]

General Employee Radiological Training (#115)

- ☒ None
- ☐ Sep 17, 1996 -- Tue, 8:00 am - 10:00 am TCC-AB
- ☐ Sep 26, 1996 -- Thu, 1:00 pm - 3:00 pm TCC-AB
- ☐ Oct 09, 1996 -- Wed, 8:00 am - 10:00 am TCC-AB
- ☐ Oct 30, 1996 -- Wed, 8:00 am - 10:00 am TCC-AB
- ☐ Nov 06, 1996 -- WED, 1:00 pm - 3:00 pm TCC-AB
- ☐ Nov 19, 1996 -- TUE, 8:00 am - 10:00 am TCC-AB
- ☐ Dec 03, 1996 -- TUE, 8:00 am - 10:00 am TCC-AB
- ☐ Dec 18, 1996 -- WED, 8:00 am - 10:00 am TCC-AB
- ☐ Jan 07, 1997 -- TUE, 1:00 pm - 3:00 pmm TCC-AB
- ☐ Jan 22, 1997 -- WED, 8:00 am - 10:00 am TCC-AB
- ☐ Feb 13, 1997 -- THU, 8:00 am - 10:00 am TCC-AB
- ☐ Feb 19, 1997 -- WED, 8:00 am - 10:00 am TCC-AB
- ☐ Waiting list for future sessions

[Top of Form]

Radiological Worker I Training (#116)

- ☒ None
- ☐ Sep 10, 1996 -- Tue, 8:00 am - 5:00 pm TCC-AB
- ☐ Sep 18, 1996 -- Wed, 8:00 am - 12:00 n (Short Version) TCC-AB
- ☐ Oct 15, 1996 -- Tue, 8:00 am - 5:00 pm TCC-AB

Environment, Safety, & Health Division, Stanford Linear Accelerator Center, Last modified:
September 4, 1996

ES&H Training at SLAC

Training Schedule Through February 1997 and On-line Registration Form

Text only versions of the calendar and registration form are also available.

To register, please mark your selections in the fields below and select the "Submit Form" button when you are finished.

Dates, times, and locations are subject to change. A class session may be cancelled if there are less than 10 registrants.

Form contents will be sent by E-mail to training@SLAC.Stanford.Edu.

Student Information:

e-mail address: _____

real name (first last): _____

telephone extension: _____

Submit Form

Clear Fields

Most Commonly Requested Courses

Index by Course # [\[108\]](#) [\[115\]](#) [\[116\]](#) [\[219\]](#) [Index to Other Courses](#)

Employee Orientation to ES&H (#219)

- ☒ None
- ☐ Sep 17, 1996 -- Tue, 10:10 am - 12:00 n TCC-AB
- ☐ Sep 26, 1996 -- Thu, 3:10 pm - 5:00 pm TCC-AB
- ☐ Oct 09, 1996 -- Wed, 10:10 am - 12:00 n TCC-AB
- ☐ Oct 30, 1996 -- Wed, 10:10 am - 12:00 n TCC-AB
- ☐ Nov 06, 1996 -- WED, 3:10 pm - 5:00 pm TCC-AB
- ☐ Nov 19, 1996 -- WED, 10:10 am - 12:00 n TCC-AB
- ☐ Dec 03, 1996 -- TUE, 10:10 am - 12:00 n TCC-AB
- ☐ Dec 18, 1996 -- WED, 10:10 am - 12:00 n TCC-AB

