



# PureSafety®

»»» **Beyond Compliance**

## ONLINE SAFETY COURSES FOR THE **Semiconductor Industry**

### **Semiconductor Fab Worker Safety (FSE)**

Your company's foremost goal is protection of your health and safety during performance of your job. In addition, customers expect that all vendor field personnel will be trained on common hazards found in the fab and the specific hazards associated with your company's equipment. This course is intended for all fab workers including Field Service Engineers (FSE), Application Engineers, installation teams, and direct and contract personnel who work in a semiconductor fab environment.

**Length: 65 Minutes**

### **Semiconductor Electrical Safety Awareness**

Both Semiconductor Equipment and Materials International (SEMI) safety guidelines and electrical safety regulations of various countries require that semiconductor equipment manufacturers incorporate electrical safety into the design of their equipment. This course is designed to provide you with an understanding of the safe work practices necessary to protect you from electric shock, secondary injuries associated with electric shock, fires and arc flashes when working on systems operating between 50 and 600 volts.

**Length: 86 Minutes**

### **Semiconductor Hazardous Energy**

Semiconductor fabrication facilities and equipment manufacturing facilities are complex workplaces containing nearly every type of hazardous energy. Anyone who works in such a facility must understand the hazardous energy types found there and the facility's lockout/tagout program to protect themselves from those hazards. This course explains the types of hazardous energy typically found in semiconductor facilities and the reasons they necessitate a lockout/tagout program. The learner will also gain an understanding of key OSHA lockout/tagout requirements and an appreciation for the importance of following facility-specific lockout/tagout policies and procedures.

**Length: 54 Minutes**

### **Semiconductor Environmental, Health & Safety (EHS) at Work**

This course explains EHS and how it applies to you in the semiconductor industry. It provides general safety precautions, reviews manufacturing hazards, gives procedures in the case of an emergency and teaches you how to properly report an accident. In addition, it describes the company EHS policy and philosophy, as well as your role and responsibilities related to EHS.

**Length: 60 Minutes**

### **Semiconductor Chemical Safety, 2 Parts**

Improper use of chemicals can result in serious injury or death. To be able to store, handle, and use chemicals safely, it is important to fully understand the hazardous properties associated with them. This 2-part course describes how chemical safety can be accomplished through engineering, administrative and personal protective equipment controls and following key emergency procedures and practices.

**Length: 180 Minutes**

### **Ergonomics for Semiconductor Maintenance and Service**

Ergonomics is the scientific study of human work. The goal of ergonomics is to reduce work-related musculoskeletal disorders by adapting the work to fit the person, instead of forcing the person to adapt to the work. Following ergonomic principles can prevent many repeated trauma disorders, which currently account for three-quarters of the occupational illnesses and injuries in the semiconductor industry. This course offers an overview of the common ergonomic issues associated with semiconductor facilities. Learners will come away from the course equipped to identify common musculoskeletal disorders, use common ergonomic strategies in their daily work, and work with other appropriate parties to improve the ergonomics of their workplace.

**Length: 51 Minutes**