

Course Title: Machine Guarding & Hazards

Course Duration: 1.0 Hours

Course Description: Students will:

- Identify sources of amputation hazards
- Describe available protection and safeguarding methods
- Identify hazardous machine components and motions
- Interpret OSHA's role and standards

Topics include:

- Cause of Machine Accidents
- Hazardous Motions
- Protection Methods
- Preventive Methods
- Safeguarding Methods
- Protection from Robot Movement
- Examples

Course Outline:

Introduction/Covered Items <ul style="list-style-type: none">• Course description/Objectives	5 minutes
Causes of Machine Accidents <ul style="list-style-type: none">• Common discrepancies of accident causes• Hazardous Machine Components• Hazardous Motions	15 minutes
Hazardous Activities <ul style="list-style-type: none">• Injuries/Amputations• Sources of injuries	10 minutes
Protection Methods <ul style="list-style-type: none">• Safeguarding• Tools• Devices & Guards	10 minutes
Guards <ul style="list-style-type: none">• Types of Guards• Description & types of guards	20 minutes
Machine Safety Responsibilities <ul style="list-style-type: none">• Management• Supervisors• Employees• OSHA Standards	15 minutes
Conclusion <ul style="list-style-type: none">• Summary & closing remarks	5 minutes

Time Schedule: 1.0-1.25 hours

Training Methodology & Evaluation: This course is an in-person class. The students will gain knowledge on Machine Guarding, injury & amputation exposure, the different types of guarding, and how to be safe.

Instructor Bio/Credentials: The course will be given by the City Safety Manager/Regulatory Specialist, Brian Warren. Brian is currently the Lead Chair of the City of Pendleton Safety Committee and has ran safety meetings and safety committees in the public and private sector for over 20 years. He is certified as a Safety Trained Supervisor by the Board of Certified Safety Professionals, a member of the Blue Mountain Occupational Safety & Health Conference, a member of the American Society of Safety Professionals, a member of the National Association of Safety Professionals and has given OESAC approved courses to municipalities and at conferences.