

Training courses

General Machine Safety

A review of the concepts of machine safeguarding

Anyone responsible for the design, operation, or maintenance of machines needs an understanding of legal requirements, risk assessment, types of hazards, the several levels of circuit design, and available types of safety equipment and how they all come together for a complete safety solution. Let a subject matter expert for machine safety from our **tec.nicum** Group help you take a step into the world of machine safety with our general machine guarding course.

Upon completion of the Course, learners will be able to:

- List the 5 elements of the machine safeguarding process
- Identify responsible persons for machine safety and define the "General Duty Clause"
- Describe the different safeguarding requirements that apply for existing and new equipment
- Define the terms "hazard" and "risk". Identify the basic steps of the risk assessment procedure.
- Describe the conditions in which LOTO would apply
- Identify the 5 main considerations for mechanical safeguarding
- Describe the fundamental requirements for separating guards and associated devices used for safety
- Describe the fundamental requirements for non-separating guarding devices used for safety
- Explain the operations of relay/contactors which can be used for safety applications
- Explain the operations of monitoring devices which can be used for safety applications
- List and describe the 5 types of design Categories for a safety circuit
- Explain the terms "Fault Masking" and "Validation"; describe the various ways to safely wire safety outputs

tec.nicum staff are available to support all learners and answer any questions regarding a training session Monday through Friday between the hours of 8:30am & 4:45pm EST, or during any learning event.

Course information:

Duration:	7 hours (1 day)
Max Attendees:	35
Sessions:	In person Virtual (live)
CEUs:	0.6

In order to receive CEU, learner must be present for the entirety of the course (with a functioning camera for virtual event) and successfully pass the course exam with a minimum score of 80%.



tec.nicum is accredited by IACET to the **ANSI/IACET 2018-1 Standard for Continuing Education and Training**.

Disclosure of Proprietary Interest: Prior to the start of any training, it will be disclosed to participants any proprietary interest in the products, instruments, devices, services or materials discussed. In addition, the instructor will also indicate any source of compensation related to the presentation.

Intellectual Property: Schmersal, Inc. has guidelines in place to help ensure that instructors, consultants and learners have appropriate information and resources about the use of intellectual property and copy-righted materials.

Schmersal USA

115 E Stevens Avenue, Suite 208, Valhalla, NY 10595
Tel: 888-496-5142 | salesusa@schmersal.com
www.schmersalusa.com/service/tecnicum-engineering-services

Devin Murray

tec.nicum Services Manager
Tel: 914-419-3731
dmurray@schmersal.com