3M Science. Applied to Life.™

Qualified Person
Training

Course description:

The Qualified Person training provides the fall protection knowledge necessary to design and put into place fall protection systems including anchor systems, horizontal systems and vertical systems.

While this is a very intensive program—which deals with the engineering and design issues of fall protection—it should be noted that it is not a structural engineering degree program, which requires years of study and practice to complete. Structural building design necessary for building structural analysis, while discussed as a necessary component, is not taught as a component of the curriculum. We include a section on contracting necessary resources so that those individuals who are not structural engineers or who do not have those resources within their company can complete the design process.

Duration:

4 days (up to 32 hours)

Recommended attendance:

Professional engineers, designers and/or safety professionals or other key personnel that may be required to design and implement fall protection systems on site. This course will include design and engineering calculations, which will require a significant level of mathematic and physics background. It is recommended that participants have some form of design and/or engineering background.

Learn more:

To learn more about our training and consultative services, call **800-328-6146** or visit **3M.com/FallProtection**

Form 9701386 Rev B

Topics discussed:

OSHA regulations relating to fall protection

- Fall protection theory and practice
- Development and implementation of fall protection plans and programs
- Role of the Qualified Person
- Hazard identification and assessment
- Legislation and standards relevant to design
- Due diligence and design liability
- Understanding your limitations and choosing the right professionals
- Clearance calculations
- Swing fall
- Vertical fall arrest systems, consideration and calculations
- Design requirements for single point anchorages
- Vertical shock absorption
- Horizontal fall arrest systems
- Pre-engineered systems
- Horizontal lifelines vs. horizontal beam and trolley
- Sag and pre-tension
- Calculation of anchorage requirements
- Horizontal anchorage design considerations
- Inline energy absorption
- Beam and trolley design consideration