

# Hazard Analysis and Risk Assessment for Hazardous Operations



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## Why Hazard Analysis Training?

- Create and maintain a safe environment in which to work.
- Identify and eliminate or control hazards in a timely manner.
- Instill in employees a sense of safety consciousness.
- Prevent accidents that might cause injury to personnel or damage to equipment and property.
- Meet employer obligations and protect management and supervisory personnel from liability.
- Abide by regulatory requirements.

## Who Should Attend This Training?

- Managers, supervisors, and employees who are responsible for hazard analysis and risk management.
- Personnel who write, implement, use, or manage Standing Operating Procedures (SOP) that support hazardous operations, processes, procedures, or projects.
- Employees of companies that have or may be seeking government contracts that require knowledge of hazard analysis and risk assessment.
- Individuals who are proactive in hazard elimination and control.
- Anyone affected by training requirements found in regulations such as DAP 385-64, AF-M 91-201, NAVSEA OP5, OSHA CFR 29, DOT CFR 49, AMC-R 700-107, ATEC-R 385-1, and DOD 4145-26.M.

## Amtec Course # 502 (2 Days)

*Hazard analysis is a step-by-step assessment of an operation, procedure, or process for the purpose of identifying hazardous conditions, recommending control methods, and defining risk. This course offers valuable information to assist in the elimination or control of inherent and potential hazards. These subjects are included in the program of instruction:*

- ◆ Regulatory Requirements
- ◆ Hazard Analysis Work Group (HAWG)
- ◆ Hazard Analysis Objectives
- ◆ Steps in the Hazard Analysis Process
- ◆ Identification and Assessment of Hazards
- ◆ Hazardous Materials and Components
- ◆ Environmental Effects
- ◆ Hazards Caused by Tools and Equipment
- ◆ The Human Factor
- ◆ Proper Approach to Hazard Analysis
- ◆ Hazard Probability and Severity
- ◆ Hazard Control Methods
- ◆ Hazard Analysis Formats
- ◆ Tailoring Hazard Analysis
- ◆ Preliminary Hazard Analysis (PHA)
- ◆ System Hazard Analysis (SHA)
- ◆ Subsystem Hazard Analysis (SSHA)
- ◆ Operating Hazard Analysis (OHA)
- ◆ Job Hazard Analysis (JHA)
- ◆ Qualitative and Quantitative Analysis
- ◆ Risk Assessment
- ◆ Risk Assessment Codes (RAC) Matrix
- ◆ Implementing Corrective Actions
- ◆ Managing Risk
- ◆ Practical Exercises
- ◆ Accident Case Studies

## Amtec Advantages

- **Training tailored to fit specific missions and training requirements.** Separate modifications of this course are available. Each is designed to address a different type of hazardous operation. You may choose from the following:
  - Rockets, Missiles, and Components
  - Artillery, Mortars, and Small Devices
  - Propellants and Pyrotechnics
  - Chemicals & Chem Surety Material
  - Workplace Hazards (OSHA)
- **Practical exercises and accident case studies.** Attendees will conduct hazard analyses and risk assessments for typical hazardous operations. Past accidents are analyzed and discussed.
- **Excellent training aids.** Each attendee is provided a 3-ring binder that coincides with the computer-projected presentation. Videotapes and hands-on training aids enhance the lecture and discussions.
- **Flexible class schedules.** Classes can be conducted at or near your facility, or you may elect to attend a class that has already been scheduled by Amtec.
- **Experienced instructors.** With an average of 32 years of experience, the Amtec staff has conducted numerous hazard analyses and risk assessments. The instructors have an appreciation for the responsibilities of technicians, supervisors, and managers.
- **Cost Effective.** Exceptional training at reasonable prices.

## Contact Amtec Corporation

- Arrange for training at your facility or a nearby location.
- Receive information about other training locations and class schedules.
- Select a modified version of Amtec Course # 502 that will meet specific needs.
- Request an organization work-study to develop a program of instruction for a tailored course.
- Learn more about regulatory requirements for hazard analysis and risk assessment, as directed by DOD, DOE, OSHA, NASA, and other agencies.
- Call or e-mail to discuss prices, group rates, and training dates.
- Receive information about the following Amtec training that is also available:
  - Explosives Certification Training
  - Explosives Safety Refresher
  - Hazardous Materials Training
  - Counter-Terrorism Training

### Call, Write, Fax, or E-Mail

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