

### Why Be Certified?

Promote and maintain a high level of safety awareness.

Increase technical knowledge and operational efficiency.

Protect management and supervisory personnel from liability.

Meet regulatory requirements.

Prevent accidents.

### Who Should Be Certified?

Government and contract employees who work with or in the presence of explosives, ammunition, weapon systems, or explosive components.

Managers, supervisors, and other individuals whose actions and decisions have an impact on explosives safety.

Employees of companies that have or may be seeking government contracts that require explosives certification.

Anyone who falls under the provisions of AMC-Reg 350-4, ATEC-Reg 385-1, NAVSEA OP5, AF-Manual 91-201, DOD 4145.26-M, OSHA CFR 29, DOT CFR 49, and other safety regulations.

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**Course ID: 404**

**Course Name: Advanced Explosives Safety- Rockets/Missiles**

**Course Length: 40 Hours**

This five-day course features practical applications and exercises. Mishap cases studies are examined in sufficient detail to identify and evaluate safe workplace procedures and precautionary measure when working with rockets, missiles, warheads, motors, high and low explosive materials, safe and arm devices, igniters, seekers, thermal batteries and other explosive components. It includes the core topics from the #101 & #203 Course:

- Characteristics and Hazards of Ammunition and Explosives
- Explosive Effects
- Classification Systems and Hazard Divisions
- Storage Principles and Storage Compatibility
- Fire and Chemical Hazard Symbols
- Fire Protection at Explosives Facilities
- Transporting and Handling Explosives
- Industrial Safety and Explosives
- Personal Protective Clothing and Equipment
- Material Handling Equipment
- Explosives Operations Safety
- Static Electricity and Electrostatic Discharge (ESD)
- Standard Operating Procedures
- Initiators
- Munition Characteristics & Safety Precautions
- Hazards of Electromagnetic Radiation to Ordnance
- Range Safety & RDTE Operations
- Procedures & Precautions at Test & Assembly Areas

Additional Topics Covered in the #404 course:

- Requirements Common to RDT&E Missions
- Explosives Laboratory Safety (Preparation, Mixing & Cutting)
- Rocket & Missile Characteristics & Precautions
- Rocket & Missile Assembly & Disassembly
- Rockets, Missiles and Component Testing (Static, Flight, Electrical, Dynamic, Sled, Environmental & Functional Tests)
- Selected Missiles & Rockets
- Successful Explosives Site Visits
- Mishap Case Studies (Cause, Contributing Factors & Precautionary Measures)

### Contact Us For Dates, Locations and Cost

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