



National Aeronautics and
Space Administration



NASA Safety Training Center

The NASA Safety Training Center (NSTC) at Johnson Space Center was established in May 1991 by the NASA Headquarters Office of Safety and Mission Assurance to provide up-to-date and high-quality NASA-specific safety training on location to NASA centers, or simultaneously to multiple centers through video teleconferencing in the pursuit of the ultimate goal of safe operations for NASA. The NSTC provides safety, as well as, mission success and mission unique training that enables personnel to meet uniform engineering and technical requirements for processes, procedures, practices, and methods that have been endorsed as a standard for NASA programs and projects.

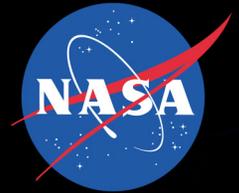
With more than 20 years of experience training NASA personnel, the NASA Safety Training Center provides training using standards unique and unobtainable from any other sources, and is now being offered commercially in an effort to share knowledge, expertise, and best practices.

The NSTC courses are designed for those involved as test operations team members or engineers who design, plan, and execute hazardous operations, as well as for safety, quality, reliability, and maintenance professionals who may manage, review, design, or oversee such activities.

Employees are a company's most valuable resource. Education and training are investments that protect those resources, enhance on-the-job safety, enable a higher level of mission success, and promote a safe and healthy working environment.



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FEATURED COURSES

System Safety Fundamentals

Instructs the student in the fundamentals of system safety management and hazard analysis of hardware, software, and operations. Basic concepts and principles of the analytical process are stressed.

System Safety Workshop

Teaches the fundamentals of hazard recognition and analysis for hardware and operations. Basic hazard concepts and the basics of the analytical process are stressed. The student is introduced to NASA publications that require and guide safety analysis, and to general reference texts on subject areas covered.

System Safety Engineering

Builds on the knowledge of the safety professional or the engineering supervisor/manager to advance their skills in techniques supporting hazard discovery, assessment, and control. The course includes descriptions of methods for establishing and managing a system safety program. It also provides techniques in hazard analysis and reliability calculations.

Facility System Safety

Provides attendees with an understanding of how system safety applies to facility acquisition, modification, and operations.

Explosive Safety Management and Engineering

Provides an overview of the requirements for NASA explosive safety programs and their management as defined in NASA-STD-8719.12, "Safety Standard for Explosives, Propellants, and Pyrotechnics," as well as basic explosive safety engineering principles, concepts, and requirements.

Control Team/Crew Resource Management

Provides awareness of human factors related problems that too often result in mishaps, and offers recommendations and procedures for eliminating these problems. This course places an emphasis on safety risk assessment, crew/team coordination, and decision-making in crisis situations.

ISS Payload Safety Review and Analysis

Provides an understanding of payload safety as it relates to the overall International Space Station (ISS) payload integration process, how the ISS payload safety review process works, and the roles and responsibilities of the various players in the ISS payload safety review process.

Situational Awareness

Instructs students in the basic tenets and practices of situational awareness, and how they apply to hazardous operations in NASA in order to promote the best proactive safety techniques.

CONTACT INFORMATION

Elmer Johnson p. 281.483.2084 email: elmer.r.johnson@nasa.gov
<http://www.nasa.gov/centers/johnson/capabilities/safety/index.html>