



Weapons Knowledge Management: Safeguard knowledge, empower the future

NFO is coordinated by the LANL Weapons Knowledge Management (WKM) program, which specialize in capturing, preserving, and making accessible technical expertise and professional know-how related to the nuclear weapons mission.



WKM strengthens knowledge retention and transfer by capturing critical expertise through interviews and documentaries, designing engaging learning activities, and developing structured onboarding and offboarding programs that sustain essential capabilities across the workforce.

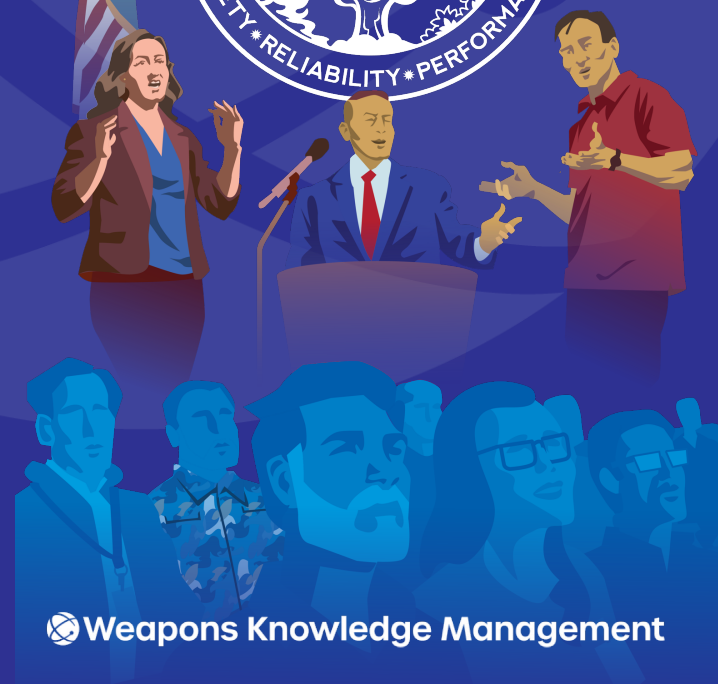


Nuclear Fundamentals Orientation (NFO)

Laying foundations of nuclear weapons knowledge for today's national security workforce



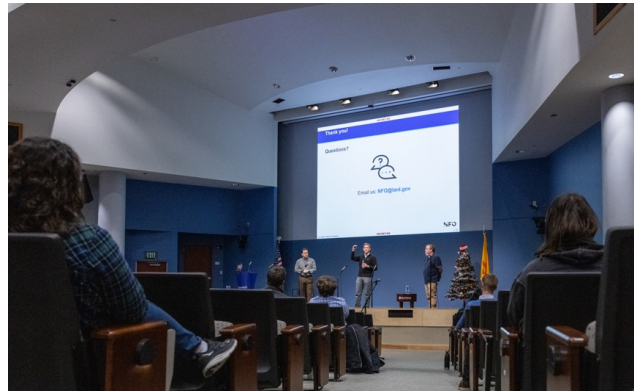
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What is NFO?

Nuclear Fundamentals Orientation (NFO) is a three-module curriculum that provides a comprehensive introduction to the LANL Weapons programs, the U.S. Nuclear Security Enterprise, and nuclear weapons design, engineering, and production fundamentals.

NFO was originally developed in 2019 to help Los Alamos National Laboratory answer a critical need for knowledge transfer and retention across its current workforce.

Now, NFO helps new employees and existing employees across the Nuclear Security Enterprise to understand how their work fits within the broader network of weapons organizations, people, and functions.



NFO Curriculum Overview

Module 1 (Virtual) covers LANL's history, the Nuclear Security Enterprise (NSE), the LANL Weapons Program's key directorates (Physics, Engineering, and Production), and the key security principles.

Module 2 (Virtual) focuses on stockpile stewardship, nuclear weapons science, materials, design, testing, the U.S. nuclear stockpile, and the weapons lifecycle.

Classified Module 3 (in-person) delves deeper into the topics covered in Modules 1 and 2, offering face-to-face interactions with subject matter experts. Modules 1 and 2 are prerequisites to Module 3.

Each module is taught over **3 half-day sessions, from 8:00 a.m. to 12:00 p.m.**, and is offered quarterly.



Who should participate in NFO?

Modules 1 and 2 may be attended by anyone in the Nuclear Security Enterprise (NSE). NFO is encouraged for anyone interested in the fundamental mission of LANL, the NSE at large, and how these organizations coordinate efforts.

Module 3 is only taught in-person at LANL. It is open to US citizens holding a DOE Q Clearance (or equivalent).

