

Course Information

Directors Office

Teaching Org. Contact Colleen Myrick, Ext. 4-4558

Summary

This course provides a high-level overview of requirements placed on nuclear/radiological safety-related software (aka 830 Software) development and use. The course will discuss additional considerations and best practices for software developed in-house within each of the DOE Order 414 Software Work Activities. The class will apply this information via working through real-world case studies. Contact the SQA Office (sqa-manager@llnl.gov) or Vicki Pope, LLNL SQA Manager (pope13@llnl.gov, ext 2-3426) if you have any questions about who should take the course.

Objectives

Upon completion of this course, the student will:

- Understand and apply DOE compliance requirements for nuclear/radiological safety-related software (830 Software).
- Understand safety issues with software.
- Be able to apply software safety design best practices to real world applications to address those issues.
- Understand the process for adding acquired 830 Software to the LLNL 830 Software Inventory.

Required For	Designers, developers, testers, and evaluators of the quality of in-house developed nuclear/radiological safety-related software (830 Software)		
Required By	DOE O 414.1D, Quality Assurance, Attachment 4, Safety Software and 10 CFR 830 Nuclear Safety Management, Part A, Quality Assurance Requirements		
Repeat Frequency	One Time Only		
Refresher	None		
Prerequisites	Course	Title	
	CA0750-W	Software Quality Assurance Awareness	
Alternates	Course	Title	Inactive
	EC4063	Software Safety Engineering Practices	02-29-16
	Hide Inactive		
Duration	4 hrs		
Instruction Type	Instructor Led Training (ILT)		
Cost	No Cost		
Max Enrollment	30		