



SU-470

Genie™ Basic Operation



DESCRIPTION

Mirion's SU-470-4 training course was designed to provide introductory-level instruction for using Genie software to perform typical gamma spectroscopy measurements. This course starts with a short review of basic gamma spectroscopy concepts, common Genie measurement applications, and the Windows operating system environment. It then covers the use of the Genie MCA Definition, Certificate File, Nuclide Library, and QA File editors. This course emphasizes use of the interactive Genie software environment for performing spectral data acquisition, system calibration, spectral file analysis, and reporting of measurement results. Approximately 65% of this 4-day course will be presented in lecture format, with the remaining 35% allocated for group discussion and practical exercises.

HOW YOU WILL BENEFIT

Attendees who complete this course will gain familiarity and proficiency with the basic operational features of Mirion's Genie software and evaluation of reported measurement results. This knowledge will enable attendees to use Genie software with improved productivity, accuracy, and confidence. Supervisors and managers will benefit from the improved competence and confidence gained by course attendees, ensuring a more efficient and defensible analytical process for their gamma spectroscopy measurement program.

WHO SHOULD ATTEND

This course is intended for technical and supervisory personnel responsible for performing and reviewing gamma spectroscopy measurements using Genie software, but who are not yet familiar with basic Genie software operations.

COURSE CONTENT

- Course introduction
- Windows XP/7 requirements
- Basic Genie architecture
- Gamma spectroscopy review
- Acquisition hardware setup
- MCA View/Control operation
- Certificate File Editor
- Nuclide Library Editor
- System energy, shape and efficiency calibrations
- Sample parameter editing
- Manual analysis and analysis sequence editing
- Choosing the correct analysis steps and algorithms
- Quality Assurance Editor

PREREQUISITES

Attendees should have a basic understanding of the Windows operating system environment and familiarity with fundamental gamma spectroscopy concepts. In addition, prior completion of Mirion's GP-301 Applied Principles of Gamma Spectroscopy course (or equivalent training) is strongly recommended.

To register, visit
www.mirion.com/na-courses