

# RADIATION SAFETY BASICS

*Training offered by A-P-T Research, Inc.*

The Radiation Safety Basics course is a 1-day training course that is designed as an RSO refresher or an introductory course for a safety professional or a supervisor/manager. The goal of this course is to improve your knowledge about radiation safety. The topics covered in this course include:

- Introduction to Health Physics
- Radiation Fundamentals and Sources
- Contamination Control
- Radiation Protection Standards and Guidelines
- Personnel Dosimetry
- Radiation Detection Instruments
- Biological Effects of Ionizing Radiation
- Medical and Industrial Uses of Radiation
- Nuclear Power Systems

## Instructor

Keith Rose is a Health Physicist with the Safety Engineering and Analysis Center (SEAC) in Huntsville, AL. He is a graduate of the University of North Alabama with a Bachelor of Science in Biology and attended graduate studies at Georgia Institute of Technology. Mr. Rose has over 30 years experience in the Health Physics field. He worked at the Tennessee Valley Authority for over 10 years before transferring to Redstone Arsenal. At Redstone Arsenal he served as a Physicist and Health Physicist for the U.S. Army Test, Measurement, and Diagnostic Equipment Activity before accepting a position with the U.S. Army Aviation and Missile Command (AMCOM) Safety Office. Mr. Rose was responsible for the AMCOM Aviation, Missile, and Operational Radiation Safety Programs worldwide. He has worked to solve Radiation Safety issues for the Army and the FBI since retiring from the Army. Mr. Rose is board certified by the American Board of Health Physics.



## Course Duration and Format

The course is 8 hours over 1 day, with about 6 hours of lecture and time for students to complete workshop problems or review course materials with the instructor. Class size will be limited to 30 attendees. Attendees of this course will typically be awarded up to 0.5 Continuing Education Units (CEU) upon completion of this course.



## Safety Engineering and Analysis Center

The APT Safety Engineering and Analysis Center (SEAC) is conveniently located in Cummings' Research Park near Redstone Arsenal in Huntsville, AL.

## Where

The A-P-T Research, Inc. Safety Engineering & Analysis Center in Huntsville, AL, webcast, or customer location as requested.

## Schedule & Cost

Offered on a regular basis. Visit [www.apr-research.com/training](http://www.apr-research.com/training) for specific dates and prices.

## Contact Information

Melissa Emery  
 Emma Montgomery  
 256.327.3373  
[training@apt-research.com](mailto:training@apt-research.com)

## Other Courses Available

- System Safety Engineering
- Software System Safety Engineering
- Explosives Safety
- Managing Risk for Multiple Disciplines
- Reliability Engineering
- IMESA/R Software
- SAFER Software
- Counter-IED Training & Training Devices

For information on other training classes offered by APT, visit [www.apr-research.com/training](http://www.apr-research.com/training).

It is the policy of A-P-T Research, Inc. that those leading a learning event (instructors, guest lectures, etc.) disclose proprietary interest in any products, services, instruments, devices or materials discussed during a learning event. This includes any source of third-party compensation. Leaders of a learning event are required to disclose this information in the form of a verbal announcement at the beginning of the learning event.