

GRADUATE CERTIFICATE IN RADIOLOGICAL AND NUCLEAR SAFETY

Department of Environmental and Radiological Health Sciences (<https://vetmedbiosci.colostate.edu/erhs/>)

This certificate allows opportunities for students and professionals (e.g., employed by the military or in the nuclear sector) who are interested in obtaining basic knowledge of radiological and nuclear safety for specific applications in their workplace to further their education and training in their individual sub-fields without having to complete the formal requirements of a comprehensive graduate degree. Completing the certificate allows the students to have this credential appear on their transcripts, which may serve as confirmation for their employer of their professional training. Also, credits earned in the course of completing the graduate certificate may be applied towards fulfillment of the requirements for a graduate degree at a later date.

[Students interested in graduate work should refer to the Graduate and Professional Bulletin.](#)

Learning Objectives

Upon successful completion, students will be able to:

1. Identify radiological and nuclear sources and their associated hazards.
2. Apply principles of radiological protection to operational tasks related to the survey or handling of radiological or nuclear sources.
3. Interpret radiological measurement data and deduce immediate radiological protection measures.
4. Explain and interpret radiological protection rules and regulations and apply them to specific radiological or nuclear sources.