

NORTHERN



AMENDED 2015-16 Catalog (Revised 1/2/16)

Technical Certificate

RADIATION CONTROL TECHNICIAN

This certificate is designed to provide entry-level skills required for employment in the nuclear industry. This program provides the technical skills to conduct radiation surveys, interpret survey data, and assess personnel protection requirements for the protection of human health.

Qualified radiation protection technicians work at Department of Energy (DOE) National Laboratories, medical facilities, research laboratories, nuclear power plants under the direction of the Nuclear Regulatory Commission (NRC) medical facilities, and industries that work with radioactive material. In addition to specialized classroom and laboratory instruction, students are required to complete supervised field experience.

GENERAL EDUCATION (7 CR)

Area I. Communications (3 cr)

ENG 111 English Composition (3)

Area II. Mathematics (4 cr)

MATH 130 Intermediate Algebra (4)

PROGRAM REQUIREMENTS (25 CR)

ES 134 OSHA Health and Safety (3)

RDPR 233 Radiation Biology (3)

RDPR 234 Introduction to Radiation Science & Technology (4)

RDPR 238 Introduction to Radiation Protection (4)

RDPR 242 Problems in Radiation Protection (4)

RDPR 243 Practical Radiological Programs and Sampling Methods (4)

RDPR 250 Supervised Field Experience (3)

TOTAL CREDITS: 32