

MASTER OF SCIENCE IN RADIOLOGICAL HEALTH SCIENCES, PLAN A, HEALTH PHYSICS SPECIALIZATION

¹ ERHS 555, ERHS 563 and ERHS 570 may only be used from the list if they have NOT been previously selected for the preceding requirements.

Requirements Effective Fall 2021

Code	Title	Credits
ERHS 530	Radiological Physics and Dosimetry I	3
ERHS 531	Nuclear Instruments and Measurements	2
ERHS 550	Principles of Radiation Biology	3-5
or ERHS 450	Introduction to Radiation Biology	
ERHS 561	Radiation Public Health	2
ERHS 563	Environmental Contaminant Modeling I	2
or ERHS 570	Radioecology	
ERHS 630	Radiological Physics and Dosimetry II	3
ERHS 632	Techniques in Radiation Dosimetry	1
ERHS 665	Radiochemistry	3
ERHS 693D	Research Seminar: Health Physics	1
ERHS 786	Practicum	3
Select one of the following courses:		3-4
ERHS 544/ STAT 544	Biostatistical Methods for Quantitative Data	
ERHS 555	Quantitative Methods for Radiation Safety	
STAR 511	Design and Data Analysis for Researchers I	
Select at least 3 credits from the following:		3
ERHS 446	Environmental Toxicology	
ERHS 502	Fundamentals of Toxicology	
ERHS 515	Non-Ionizing Radiation Safety	
ERHS 520	Environmental and Occupational Health Issues	
ERHS 526	Industrial Hygiene	
ERHS 527	Industrial Hygiene Laboratory	
ERHS 555	Quantitative Methods for Radiation Safety ¹	
ERHS 556	Monte Carlo Methods in Health Physics	
ERHS 563	Environmental Contaminant Modeling I ¹	
ERHS 570	Radioecology ¹	
ERHS 698	Research	
ERHS 726	Aerosols and Environmental Health	
STAR 512	Design and Data Analysis for Researchers II	
STAT 547/ CIVE 547	Statistics for Environmental Monitoring	
Thesis		
ERHS 699	Thesis	3
Program Total Credits:		32-35