

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

Department of Environmental and Radiological Health Sciences

Health physics is the discipline associated with using radiation for the benefit of society. This includes applying scientific principles as well as practical knowledge to ensure that these benefits are obtained without unreasonable risks to humans or the environment. The profession has evolved into a necessary part of all applications that involve radiation, including the use of radiation in medical and industrial settings. Sources of radiation range from naturally occurring radioactivity to man-made sources of radiation, such as reactors. Successful professionals in health physics have broad backgrounds in physics, biology, and instrumentation, and understand risks and risk analysis.

The required course work is structured to provide a sound foundation in the basic skills essential to the health physics profession. Students may concentrate on specific areas of interest through a wide selection of elective courses. The formal course work is supplemented by laboratory exercises, field trips, and research.

The M.S. in Radiological Health Sciences, Plan A, Health Physics Specialization is accredited by the Applied Sciences Accreditation Commission of ABET (<https://www.abet.org/>).