

MAJOR IN HEALTH PHYSICS

Health Physics is the science of radiation safety. Health physicists work in industry and medical and research facilities to protect people and the environment from natural and man-made sources of radiation while also ensuring society can obtain the benefits of radiation with minimal risks. Students will begin their studies with foundational science courses including physics, biology, math, and chemistry. Health physics courses will provide a sound foundation in the basic skills essential to the health physics profession. All students in the Health Physics major will complete a professional internship for academic credit.

Learning Objectives

Upon successful completion of this program, students will be able to:

1. Identify, formulate, and solve broadly defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to health physics.
2. Demonstrate effective communication of health consequences, and risk management to workers and the public.
3. Understand the impact of solutions to contemporary public health issues in a global and societal context.
4. Apply techniques, skills, and modern scientific and technical tools necessary for professional practice of health physics.