Health Physics Graduate Program
M.S. (Thesis) in Health Physics

Plan of Study

FIRST YEAR
Fall Semester

_____ (1) GRAD 612 - Responsible Conduct in Research*
_____ (3) HSCI 312 - Radiation Science Fundamentals
_____ (3) HSCI 534 - Applied Health Physics
_____ (2) HSCI 574 - Medical Health Physics
_____ (0) HSCI 696 – Graduate Seminars
_____ (3) NUCL 501 – Nuclear Engineering Principles
_____ (3) STAT 511 – Statistical Methods* ♣

Spring Semester

_____ (1) HSCI 514 - Radiation Instrumentation Laboratory*
_____ (3) HSCI 526 - Principles of HP & Dosimetry*
_____ (3) HSCI 540 - Radiation Biology
_____ (3) HSCI 551 - Health Effects of Non-ionizing Radiation
_____ (1) HSCI 696 - Graduate Seminars
_____ (3) NUCL 503 - Radioactive Waste Management

Summer Semester

_____ (6) HSCI 698 – Research MS Thesis

* - required course
♣ - STAT 512 – Applied Regression Analysis may be substituted
+ - HSCI 312 – Radiation Science Fundamentals is required only for those students who have not had equivalent previous coursework.

A minimum of 24 coursework credit hours with no more than 6 credit hours at the 300 or 400 level is required for the M.S. degree. Required courses are indicated by the symbol * other courses are suggested. At least 6 credit hours of coursework must be selected from the suggested HSCI coursework grouping 438, 534, 551 and 574. The student’s advisory committee may approve alternative coursework in a plan of study that will assist the student in their thesis research, including independent study projects under the guidance of a faculty member. Completion of the M.S. thesis is a major requirement for this degree.

Note: Graduate courses taken while registered as a graduate student at Purdue University may be considered for fulfilling the plan of study requirements only if the student has received grades of C or better. For courses at the 300 or 400 level taken as a graduate student or courses that represent either undergraduate or graduate excess credit or transfer credit, grades of B or better are required for fulfilling plan of study requirements.