Health Physics (Radiation Protection) Graduate Program
M.S. in Health Physics

M.S. Thesis Recommended Plan of Study (30 credits required)

Fall Semester

(1) GRAD 612 - Responsible Conduct in Research*

(3) HSCI 312 - Radiation Science Fundamentals^

(3) HSCI 515 - Introduction to Nuclear and Radiological Source Security*

(2) HSCI 574 - Medical Health Physics*

(0) HSCI 696 - Graduate Seminar*

(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 534 - Applied Health Physics*

(3) HSCI 540 - Radiation Biology*

(3) HSCI 551 - Physical Agents in Environmental Health

(1) HSCI 696 - Graduate Seminar*

Summer Semester

(6) HSCI 698 – M.S. Thesis Research

(35) TOTAL

* - required course

♣ - STAT 512 – Applied Regression Analysis may be substituted for STAT 511

^ - HSCI 312 – Radiation Science Fundamentals is required only for 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. 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, and it is expected that at least one scholarly publication is produced from research results.

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.