Health Physics Graduate Program
Graduate Core Curriculum for
Ph.D. in Health Physics

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 - Seminar in Health Sciences
____ (3)  NUCL 503 - Radioactive Waste Management

Summer Semester

____ (6)  HSCI 699 – Doctoral Thesis Research

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

A minimum of 24 coursework credit hours with no more than 6 credit hours at the 300 or 400 level is required for the Ph.D. 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 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.

A total of 90 residency hours is required for the Ph.D. degree. These residency hours may be any combination of course credit hours or research credit hours. Up to 30 hours may be credited for an M.S. degree upon recommendation of the Ph.D. graduate student's advisory committee and this may include all required coursework and the clinical internship if the equivalent has recently been taken. No more than 6 credit hours of coursework at the 300 or 400 level is allowed to form part of the student's Ph.D. degree plan of study.
Completion of the Ph.D. 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.