

Requirements (27 credits)

- ___ (3) F HSCI 31200 Radiation Science Fundamentals^
- ___ (2) Sp HSCI 51400 Radiation Instrumentation Laboratory
- ___ (3) Sp HSCI 51500 Introduction to Nuclear and Radiological Source Security
- ___ (3) F HSCI 52600 Principles of Health Physics & Dosimetry
- ___ (3) Sp HSCI 53400 Applied Health Physics
- ___ (3) Sp HSCI 54000 Radiation Biology
- ___ (2) F HSCI 57400 Medical Health Physics
- ___ (1) Sp HSCI 61300 Professionalism and Professional Development in Health Sciences AND CITI Responsible Conduct of Research (RCR) training
OR GRAD 61200 Responsible Conduct Of Research (F, Sp)
- ___ (3) F,SpSu HSCI 69000 Health Physics Internship
OR HSCI 59000 Independent Topics (Research)
- ___ (1) F,Sp HSCI 69600 Graduate Seminar*
- ___ (3) _____ Statistics Selective – *select from list*

Electives (6 Credits)

___ () _____ ___ () _____ ___ () _____

F=Fall, Sp=Spring, Su=Summer

*All students are required to take HSCI 69600 for credit once and for 0 credit all remaining fall and spring semesters.

^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. The student's advisory committee may approve alternative coursework in a plan of study that will assist the student in their research, including independent study projects under the guidance of a faculty member.

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.

Statistics Selectives

- ___ (3) Sp HSCI 52500 Statistics for Health Sciences
- ___ (3) F,Sp,Su STAT 51100 Statistical Methods
- ___ (3) F,Sp,Su STAT 51200 Applied Regression Analysis

Suggested Electives

- ___ (2) F HSCI 31300 Principles of Radiation Detection & Measurement – **Recommended**
- ___ (3) Sp HSCI 52000 Risk Assessment In Environmental Health
- ___ (2) Sp HSCI 54400 Exposure Assessment In OEHS
- ___ (4-5) Sp HSCI 54600 Industrial Hygiene Engineering Control
- ___ (3) F HSCI 54700 Fundamentals of Epidemiology
- ___ (3-4) Sp HSCI 54800 Industrial Hygiene Instrumentation Techniques
- ___ (3) Sp HSCI 55100 Physical Agents in Environmental Health
- ___ (3) F HSCI 55200 Introduction to Aerosol Science
- ___ (3) F HSCI 56000 Toxicology
- ___ (1) F HSCI 62500 Grant Writing for Health Sciences
- ___ (3) F NUCL 50100 Nuclear Engineering Principles
- ___ (3) Sp NRES 38001 Hazardous Waste Handling

Suggested Arrangement of Courses:*Fall 1st year:*

Credits	Course Name
3	HSCI 31200
1	HSCI 69600
3	NUCL 50100
1-3	Elective

8-10*Spring 1st year:*

Credits	Course Name
2	HSCI 51400
3	HSCI 51500
3	HSCI 54000
0	HSCI 69600
3	Statistics Selective

11*Summer 1st year:*

Credits	Course Name
3	HSCI 69000

Fall 2nd year:

Credits	Course Name
3	HSCI 52600
2	HSCI 57400
0	HSCI 69600
3	Elective

8*Spring 2nd year:*

Credits	Course Name
3	HSCI 53400
1	HSCI 61300
0	HSCI 69600
4	Elective

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