

**Requirements (30 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)
___	(1)	F,Sp	HSCI 69600 Graduate Seminar*
___	(6)	F,Sp,Su	HSCI 69800 M.S. Thesis Research
___	(3)		_____ Statistics Selective – <i>select from list</i>

**Electives (3-6 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.

**Suggested 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,Sp,Su HSCI 69000 Industry Internship
- \_\_\_ (3) F NUCL 50100 Nuclear Engineering Principles
- \_\_\_ (3) Sp NRES 38001 Hazardous Waste Handling

**Suggested Arrangement of Courses:***Fall 1<sup>st</sup> year:*

<b>Credits</b>	<b>Course Name</b>
3	HSCI 31200
1	HSCI 69600
3	NUCL 50100
1-3	Elective

**8-10***Spring 1<sup>st</sup> year:*

<b>Credits</b>	<b>Course Name</b>
2	HSCI 51400
3	HSCI 51500
3	HSCI 54000
0	HSCI 69600
3	Statistics Selective

**11***Summer 1<sup>st</sup> year:*

<b>Credits</b>	<b>Course Name</b>
6	HSCI 69800

*Fall 2<sup>nd</sup> year:*

<b>Credits</b>	<b>Course Name</b>
3	HSCI 52600
2	HSCI 57400
0	HSCI 69600
3	Elective

**8***Spring 2<sup>nd</sup> year:*

<b>Credits</b>	<b>Course Name</b>
3	HSCI 53400
1	HSCI 61300
0	HSCI 69600
4	Elective

**8**