Upon entry into the program, students are expected to have completed the equivalent of two semesters of anatomy and physiology. Students that have not completed prior course work in anatomy and physiology are required to complete one of the following options: BIOL 301 and 302 or BIOL 203 and 204 or BMS 510 (Gross Anatomy) or equivalent.

The following plan of study is for incoming students with a minor in Physics. For those students who do not have a physics minor, an alternative plan of study (Medical Physics Graduate Program - Plan of Study for MS (thesis) Degree in Therapeutic Radiological Physics, with a minor in Physics) which includes the necessary physics courses should be followed.

**FIRST YEAR**

**Fall Semester**

- (4) BIOL 203 - Human Anatomy & Physiology I
- (3) HSCI 312 - Radiation Science Fundamentals
- (3) STAT 511 - Statistical Methods
- (1) HSCI 696 - Seminar in Health Sciences (initial student seminar)
- (3) HSCI 526 - Principles of Health Physics and Dosimetry
- (2) HSCI 313 - Principles of Radiation Detection and Measurement

**Spring Semester**

- (4) BIOL 204 - Human Anatomy & Physiology II
- (2) HSCI 514 - Radiation Instrumentation Laboratory
- (3) HSCI 540 - Radiation Biology
- (3) HSCI 570 - Introduction to Medical Diagnostic Imaging
- (3) HSCI 572 - Radiation Oncology Physics
- (1) HSCI 696 - Seminar in Health Sciences (attending)
- (2) Principles of Radiation Detection and Measurement

**Summer Semester**

- (6) HSCI 690 - Radiation Therapy (RT) Clinical Rotation I

**SECOND YEAR**

**Fall Semester**

- (2) HSCI 574 - Medical Health Physics
- (1) HSCI 696 - Seminar in Health Sciences (initial student seminar)
- (2-3) [Medical Physics Electives]*

**Spring Semester**

- (6) HSCI 698 - Research MS Thesis

* MS thesis students are encouraged to take an additional 2-3 credit hours of coursework related to their thesis or HSCI 698 Research MS Thesis in their second year.

**Notes:** Students are required to enroll in HSCI 696 Seminar in Health Sciences spring and fall semesters while in the graduate program. However, only 1 credit hour applies towards the completion of the required coursework.