

## MS Curriculum and Academic Plan for Medical Physics Specialization

<b>FIRST FALL SEMESTER</b>		<b>CREDITS</b>
BME 6535	Radiological Physics, Measurements and Dosimetry	3
BME 6590	Medical Physics	3
BME 6533	Radiological Anatomy	3
<i>Total:</i>		<i>9</i>
<b>FIRST SPRING SEMESTER</b>		
BME 6591	Therapeutic Radiological Physics I	3
ENU 6657	Diagnostic Radiological Physics I	3
ENU 5626	Radiation Biology	3
<i>Total:</i>		<i>9</i>
<b>FIRST SUMMER SEMESTER</b>		
BME 6592	Therapeutic Radiological Physics II	3
	<b>Elective Course Offerings**</b>	
ENU 6652	Diagnostic Radiological Physics III	3
<i>Total:</i>		<i>3-6</i>

<b>SECOND FALL SEMESTER</b>		
ENU 5658	Imaging System Analysis	3
BME 6936	Biomedical Engineering Seminar	1
BME 6505	Diagnostic Radiological Physics II	3
	<b>Elective Course Offerings**</b>	
BME 6593	Therapeutic Radiological Physics III	3
		<i>Total: 7-10</i>
<b>SECOND SPRING SEMESTER</b>		
ENU 6636	Medical Radiation Shielding and Protection	3
ENU 6659	Nuclear Medicine Physics	3
BME 6936	Biomedical Engineering Seminar	1
BME 6971 or BME 6907	Masters Research* Non-thesis Research Projects*	3
	<b>Elective Course Offerings**</b>	
ENU 6623	Radiation Dosimetry	3
		<i>Total: 10-13</i>
<b>Total Hours</b>		<b>41 min</b>

\* A minimum of 3 hours of either Masters Research or Non-Thesis Research must be completed as part of the graduate program. It is suggested that students begin their research in the first summer, but may be varied at the discretion of the student's research advisor and supervisory committee. It is anticipated that most students will register for additional research credits throughout their academic program.

\*\*Students must complete one of the Elective Course Offerings