RADIOLOGIC AND IMAGING SCIENCES, MASTER OF SCIENCE

Degree Requirements

Code	Title	Hours
RIS 501	Radiologic and Imaging Sciences I	3
RIS 502	Radiologic and Imaging Sciences II	3
RIS 503	Radiologic and Imaging Sciences III	3
RIS 510	RIS Research Methods and Data Analysis	3
RIS 511	Informatics in Radiologic Imaging Sciences	3
RIS 590	Practicum	3
RIS 597	Directed Reading	3
RIS 598	Directed Research	3
RIS 599	Capstone Project	3
Select one of the following Tracks:		9
Education Track:		
RIS 530	Pedagogy and Andragogy in RIS	
RIS 531	Radiologic and Imaging Sciences Program Administration	
RIS 532	RIS Academic Program Accreditation	
Computed Tomography Track:		
RIS 540	CT Physics, Instrumentation and Procedures	
RIS 541	Advanced Topics in CT	
RIS 542	CT Clinical Applications	
Management Track:		
RIS 520	Radiologic Management I	
RIS 521	Radiologic Management II	
RIS 522	Clinical Practice Accreditation	
MRI Track:		
RIS 550	MRI Physics & Instrumentation	
RIS 551	Advanced Topics in MRI	
RIS 552	MRI Clinical Applications	
PET/CT Track:		
RIS 570	PET/CT Physics and Instrumentation	
RIS 571	PET Radiopharmaceuticals	
RIS 572	PET/CT Clinical Applications	
Radiation Therapy Track:		
RIS 580	Radiation Therapy Physics and Treatment Planning	
RIS 581	Principles and Practices of Radiation Therapy I	
RIS 582	Principles and Practices of Radiation Therapy II	
Ultrasound Track:		
RIS 560	Ultrasound Physics and Instrumentation	
RIS 561	Advanced Topics in Ultrasound	
RIS 562	Ultrasound Clinical Applications	
Total Hours		**36**

Program Outcomes

The MS degree in Radiologic and Imaging Sciences is designed to teach students to:

1. Critically read and comprehend scientific literature in radiologic and imaging sciences.
2. Evaluate research design and statistical analyses tools reported in the scientific literature.
3. Express graduate-level professional ideas orally.
4. Demonstrate a general knowledge base of radiologic and imaging sciences.
5. Describe in detail the current knowledge in one discipline within radiologic and imaging sciences.
6. Write manuscripts for submission to scholarly journals.
7. Demonstrate the ability to integrate graduate-level theoretical, analytical, research and practical skills into professional practice.