

MEDICAL IMAGING & RADIATION SCIENCES (MS)

Contacts

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Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/health-professions/departments-programs/medical-imaging-radiation-sciences/degrees-programs/ms-programs/ms-radiologic-imaging-sciences.html>)

Program Description

The field of Medical Imaging and Radiation Sciences is rapidly growing, and the learning curve never ends. This profession requires highly-skilled and flexible practitioners, as well as proficient, qualified directors, administrators and educators.

Tracks

- Computed Tomography (CT)
- Invasive Cardiovascular Technology (ICVT)

Curriculum: 1 Year, Credits 44-50

Computed Tomography (CT): 44 Credits

Code	Title	Credits
Semester 1		
RS 510	RS Research I	2
RS 520	RS Research II	2
RS 690	Capstone I	1
RSC 500	CT Physics & Instrumentation	3
RSC 501		2
RSC 512		4
RSC 531	CT Procedures I	3
RSC 533		1
Semester 2		
RS 691	Capstone Project II	1
RSC 502		2
RSC 513		6
RSC 532	CT Procedures II	3
RSC 534		1
Semester 3		
RS 660	Seminar	2
RS 692	Capstone III	1
RSC 514		8
RSC 773		2
Total Credits		44

ICVT for Cardiac Sonographer: 49 Credits

Code	Title	Credits
Semester 1		
RS 510	RS Research I	2
RS 520	RS Research II	2
RS 690	Capstone I	1
RS 531		6
RS 538		3
RS 541		2
RS 557		3
Semester 2		
RS 691	Capstone Project II	1
RSI 513	Radiobiology & Health Physics	2
RSI 532	Clinical Invasive II	6
RSI 539	Invasive Procedures II	3
RSI 542	Radiographic Physics & Inst I	2
RSI 558	Invasive Principles II	3
Semester 3		
RS 660	Seminar	2
RS 692	Capstone III	2
RSI 533	Clinical Invasive III	8
RSI 583	Invasive Review Seminar	2
Total Credits		50

ICVT for Radiographers: 48 Credits

Code	Title	Credits
Semester 1		
RS 510	RS Research I	2
RS 520	RS Research II	2
RS 690	Capstone I	1
RSI 502	Noninvasive Test Prin & Proced	1
RSI 511	Cardiovascular Physiology	2
RSI 531	Clinical Invasive I	6
RSI 538	Invasive Procedures I	3
RSI 557	Invasive Principles I	3
Semester 2		
RS 691	Capstone Project II	1
RS 512		2
RSI 532	Clinical Invasive II	6
RS 539		3
RS 558		3
Semester 3		
RS 660	Seminar	2
RS 692	Capstone III	1
RSI 533	Clinical Invasive III	8
RSI 583	Invasive Review Seminar	2
Total Credits		48

ICVT for Vascular Sonographers: 50 Credits

Code	Title	Credits
Semester 1		
RS 510	RS Research I	2

Code	Title	Credits
RS 520	RS Research II	2
RS 690	Capstone I	1
RSI 502	Noninvasive Test Prin & Proced	1
RSI 531	Clinical Invasive I	6
RSI 538	Invasive Procedures I	3
RSI 541	Radiographic physics & inst I	2
RSI 557	Invasive Principles I	3
Semester 2		
RS 691	Capstone Project II	1
RSI 513	Radiobiology & Health Physics	2
RSI 532	Clinical Invasive II	6
RSI 539	Invasive Procedures II	3
RSI 542	Radiographic Physics & Inst I	2
RSI 558	Invasive Principles II	3
RSI 583	Invasive Review Seminar	2
Semester 3		
RS 660	Seminar	2
RS 692	Capstone III	1
RSI 533	Clinical Invasive III	8
RSI 583	Invasive Review Seminar	2
Total Credits		52