# **RADIOLOGIC SCIENCES (BS)**

# Degree Requirements

Title Nequirements           General Education Requirements (p. 2)         59-60           Major Requirements (67-81 Hours)           Radiologic Science - First Year Professional Component (13 Courses, 37 Hours)           A. Fall - Complete the following:           RAD 300         Clinical Education I         2           RAD 301         Patient Care & Ethics         3           RAD 301         Patient Care & Ethics         3           RAD 312         Princ of Radiographic Exposure         4           RAD 312         Princ of Radiographic Exposure         4           B. Spring - Complete the following:         4           RAD 301         Clinical Education II         4           RAD 303         Osseous II         4           RAD 315         Contrast Media         2           RAD 315         Contrast Media         1           RAD 315         Contrast Media         1           RAD 316         Radiologic Physics         4           RAD 320         Contrast Media         1           RAD 321         Clinical Ed III         4           RAD 322         Cross-Sectional Anatomy         2           RAD 415         Diagnostic Imaging         2	<b>Degree Re</b>	quirements	
Select General Education Requirements (p. 2)  Major Requirements (67-81 Hours)  Radiologic Science - First Year Professional Component (13 Courses, 37 Hours)  A. Fall - Complete the following:  RAD 300 Clinical Education I 2  RAD 301 Patient Care & Ethics 3  RAD 307 Osseous I 4  RAD 310 Radiation Biology 2  RAD 3112 Princ of Radiographic Exposure 4  B. Spring - Complete the following:  RAD 301 Clinical Education II 4  RAD 301 Clinical Education II 4  RAD 301 Contrast Media 2  RAD 315 Contrast Media 2  RAD 318 Radiologic Physics 4  RAD 318 Radiologic Physics 4  RAD 319 Pediatric-Geriatric Rad 1  C. Summer - Complete the following:  RAD 300 Clinical Ed III 4  RAD 300 Clinical Ed III 4  RAD 320 Cross-Sectional Anatomy 2  RAD 3415 Diagnostic Imaging 2  Radiologic Sciences - Second Year Professional Component (35-36 Hours)  Select one of the following Tracks: 34-44  Track 1: General Radiography to Include One Advanced Modality. (Study of Ultrasound or Radiation Therapy is not an option in the General Radiography Track) see footnote table below (p. 2)  A. Fall - 11 hours Complete the following:  RAD 309 Osseous III 3  RAD 403 Clinical Education IV  RAD 411 Survey of Pathology  Select one of the following modalities:  a. Mammography  RAD 480 Mammography I - W  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B  b. Computed Tomography  RAD 477 Computed Tomography I  & RAD 477 Advanced Modality Clinical B  c. Magnetic Resonance Imaging  RAD 483 Magnetic Resonance Imaging  RAD 483 Magnetic Resonance Imaging  RAD 486 Vascular Radiography - W  & RAD 475 and Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography  RAD 487 Advanced Modality Clinical B  d. Vascular Radiography  RAD 488 Advanced Modality Clinical B  d. Vascular Radiography  RAD 475 and Advanced Modality Clinical B  d. Vascular Radiography  RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 476 Advanced Modality Clinical B	Code	Title	Hours
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RAD 300 Clinical Education I 2 RAD 304 Patient Care & Ethics 3 RAD 307 Osseous I 4 RAD 310 Radiation Biology 2 RAD 312 Princ of Radiographic Exposure 4 B. Spring - Complete the following: RAD 301 Clinical Education II 4 RAD 308 Osseous II 4 RAD 315 Contrast Media 2 RAD 315 Contrast Media 2 RAD 316 Radiologic Physics 4 RAD 337 Pediatric-Geriatric Rad 1 C. Summer - Complete the following: RAD 300 Clinical Ed III 4 RAD 300 Cross-Sectional Anatomy 2 RAD 315 Diagnostic Imaging 2 RAD 315 Diagnostic Imaging 2 RAD 300 Cross-Sectional Anatomy 2 RAD 301 Clinical Ed III 4 RAD 301 Cross-Sectional Anatomy 3 RAD 302 Clinical Ed III 4 RAD 303 Cross-Sectional Anatomy 3 RAD 304 Cross-Sectional Anatomy 3 RAD 305 Reneral Radiography to Include One Advanced Modality. RAD 306 Cross-Sectional Anatomy 3 RAD 307 Cross-Sectional Anatomy 3 RAD 308 Radiologic Sciences - Second Year Professional Component (35-36 Hours) Select one of the following Tracks: 34-44 Track 1: General Radiography to Include One Advanced Modality. RAD 309 Osseous III 3 RAD 309 Osseous III 3 RAD 403 Clinical Education IV RAD 309 RAD 403 Clinical Education IV RAD 309 RAD 403 Clinical Education IV RAD 411 Survey of Pathology Select one of the following modalities:  a. Mammography RAD 480 Mammography I - W RAD 470 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B b. Computed Tomography RAD 477 Computed Tomography I RAD 478 Advanced Modality Clinical B c. Magnetic Resonance Imaging I RAD 480 Magnetic Resonance Imaging I RAD 481 Advanced Modality Clinical B d. Vascular Radiography - W RAD 486 Vascular Radiography - W RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W RAD 476 Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W RAD 476 Advanced Modality Clinical B	•	e-First Year Professional Component (13 Courses,3	7
RAD 304 Patient Care & Ethics 3 RAD 307 Osseous I 4 RAD 310 Radiation Biology 2 RAD 312 Princ of Radiographic Exposure 4 B. Spring - Complete the following: RAD 301 Clinical Education II 4 RAD 308 Osseous II 4 RAD 315 Contrast Media 2 RAD 318 Radiologic Physics 4 RAD 335 Pediatric-Geriatric Rad 1 C. Summer - Complete the following: RAD 302 Clinical Ed III 4 RAD 320 Cross-Sectional Anatomy 2 RAD 415 Diagnostic Imaging 2 Radiologic Sciences - Second Year Professional Component (35-36 Hours) Select one of the following Tracks: 34-44 Track 1: General Radiography to Include One Advanced Modality. (Study of Ultrasound or Radiation Therapy is not an option in the General Radiography Track) see footnote table below (p. 2) \(^1\) A. Fall - 11 hours Complete the following: RAD 309 Osseous III 3 RAD 403 Clinical Education IV RAD 411 Survey of Pathology Select one of the following modalities: a. Mammography RAD 480 Mammography I - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B b. Computed Tomography RAD 477 Computed Tomography I & RAD 478 Advanced Modality Clinical B c. Magnetic Resonance Imaging RAD 483 Magnetic Resonance Imaging I & RAD 475 and Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 476 Advanced Modality Clinical B d. Vascular Radiography RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B	A. Fall - Complete	the following:	
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RAD 310 Radiation Biology 2 RAD 312 Princ of Radiographic Exposure 4 B. Spring - Complete the following: RAD 301 Clinical Education II 4 RAD 308 Osseous II 4 RAD 315 Contrast Media 2 RAD 318 Radiologic Physics 4 RAD 335 Pediatric-Geriatric Rad 1 C. Summer - Complete the following: RAD 302 Clinical Ed III 4 RAD 320 Cross-Sectional Anatomy 2 RAD 415 Diagnostic Imaging 2 Radiologic Sciences - Second Year Professional Component (35-36 Hours) Select one of the following Tracks: 34-44 Track 1: General Radiography to Include One Advanced Modality. (Study of Ultrasound or Radiation Therapy is not an option in the General Radiography Track) see footnote table below (p. 2) A. Fall - 11 hours Complete the following: RAD 309 Osseous III 3 RAD 403 Clinical Education IV RAD 411 Survey of Pathology Select one of the following modalities: a. Mammography RAD 480 Mammography I - W & RAD 475 and Advanced Modality Clinical B b. Computed Tomography RAD 477 Computed Tomography I & RAD 475 and Advanced Modality Clinical B c. Magnetic Resonance Imaging I & RAD 483 Magnetic Resonance Imaging I & RAD 4846 Advanced Modality Clinical B d. Vascular Radiography - W & RAD 475 and Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical B d. Vascular Radiography - W & RAD 475 and Advanced Modality Clinical B d. Vascular Radiography - W & RAD 475 and Advanced Modality Clinical B d. Vascular Radiography - W & RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W & RAD 475 and Advanced Modality Clinical B d. Vascular Radiography - W & RAD 476 Advanced Modality Clinical B d. Vascular Radiography - W & RAD 476 Advanced Modality Clinical B	RAD 304	Patient Care & Ethics	3
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Select one of the following Tracks:  Track 1: General Radiography to Include One Advanced Modality. (Study of Ultrasound or Radiation Therapy is not an option in the General Radiography Track) see footnote table below (p. 2)  A. Fall - 11 hours Complete the following:  RAD 309  Osseous III  RAD 411  Survey of Pathology  Select one of the following modalities:  a. Mammography  RAD 480  Mammography I - W  RAD 475  and Advanced Modality Clinical A  or RAD 476  Advanced Modality Clinical B  b. Computed Tomography  RAD 477  Computed Tomography I  RAD 476  Advanced Modality Clinical B  c. Magnetic Resonance Imaging  RAD 483  Magnetic Resonance Imaging I  & RAD 475  and Advanced Modality Clinical B  d. Vascular Radiography  RAD 486  Vascular Radiography - W  & RAD 475  and Advanced Modality Clinical A  or RAD 476  Advanced Modality Clinical B  d. Vascular Radiography  RAD 486  Vascular Radiography - W  & RAD 475  and Advanced Modality Clinical A  or RAD 476  Advanced Modality Clinical B			
Track 1: General Radiography to Include One Advanced Modality. (Study of Ultrasound or Radiation Therapy is not an option in the General Radiography Track) see footnote table below (p. 2)   A. Fall - 11 hours Complete the following:  RAD 309 Osseous III 3  RAD 403 Clinical Education IV  RAD 411 Survey of Pathology  Select one of the following modalities:  a. Mammography  RAD 480 Mammography I - W  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B  b. Computed Tomography  RAD 477 Computed Tomography I  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B  c. Magnetic Resonance Imaging  RAD 483 Magnetic Resonance Imaging I  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography - W  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography - W  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B			
(Study of Ultrasound or Radiation Therapy is not an option in the General Radiography Track) see footnote table below (p. 2)   A. Fall - 11 hours Complete the following:  RAD 309 Osseous III 3  RAD 403 Clinical Education IV  RAD 411 Survey of Pathology  Select one of the following modalities:  a. Mammography  RAD 480 Mammography I - W  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B  b. Computed Tomography  RAD 477 Computed Tomography I  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B  c. Magnetic Resonance Imaging  RAD 483 Magnetic Resonance Imaging I  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography - W  & RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical A  or RAD 475 and Advanced Modality Clinical A  or RAD 476 Advanced Modality Clinical B		•	34-44
RAD 309 Osseous III 3 RAD 403 Clinical Education IV RAD 411 Survey of Pathology Select one of the following modalities: a. Mammography RAD 480 Mammography I - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B b. Computed Tomography RAD 477 Computed Tomography I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B c. Magnetic Resonance Imaging RAD 483 Magnetic Resonance Imaging I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical A	(Study of Ultrasou	und or Radiation Therapy is not an option in the	
RAD 403 Clinical Education IV RAD 411 Survey of Pathology Select one of the following modalities:  a. Mammography RAD 480 Mammography I - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B b. Computed Tomography RAD 477 Computed Tomography I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B c. Magnetic Resonance Imaging RAD 483 Magnetic Resonance Imaging I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical A	A. Fall - 11 hou	rs Complete the following:	
Select one of the following modalities:  a. Mammography  RAD 480 Mammography I - W  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  b. Computed Tomography  RAD 477 Computed Tomography I  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  c. Magnetic Resonance Imaging  RAD 483 Magnetic Resonance Imaging I  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography - W  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography - W  & RAD 476 Advanced Modality Clinical B	RAD 309	Osseous III	3
Select one of the following modalities:  a. Mammography  RAD 480 Mammography I - W  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  b. Computed Tomography  RAD 477 Computed Tomography I  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  c. Magnetic Resonance Imaging  RAD 483 Magnetic Resonance Imaging I  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography - W  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B	RAD 403	Clinical Education IV	
a. Mammography  RAD 480 Mammography I - W  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  b. Computed Tomography  RAD 477 Computed Tomography I  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  c. Magnetic Resonance Imaging  RAD 483 Magnetic Resonance Imaging I  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography - W  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical A	RAD 411	Survey of Pathology	
RAD 480 Mammography I - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B b. Computed Tomography RAD 477 Computed Tomography I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B c. Magnetic Resonance Imaging RAD 483 Magnetic Resonance Imaging I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B	Select one of the	he following modalities:	
<ul> <li>&amp; RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B</li> <li>b. Computed Tomography</li> <li>RAD 477 Computed Tomography I</li> <li>&amp; RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B</li> <li>c. Magnetic Resonance Imaging</li> <li>RAD 483 Magnetic Resonance Imaging I</li> <li>&amp; RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B</li> <li>d. Vascular Radiography</li> <li>RAD 486 Vascular Radiography - W</li> <li>&amp; RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B</li> <li>d. Vascular Radiography - W</li> <li>&amp; RAD 476 Advanced Modality Clinical B</li> </ul>	a. Mammograp	phy	
b. Computed Tomography RAD 477 Computed Tomography I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B c. Magnetic Resonance Imaging RAD 483 Magnetic Resonance Imaging I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical A			
RAD 477 Computed Tomography I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B c. Magnetic Resonance Imaging RAD 483 Magnetic Resonance Imaging I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical A	or RAD 476	Advanced Modality Clinical B	
& RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B c. Magnetic Resonance Imaging RAD 483 Magnetic Resonance Imaging I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical A	·	omography	
c. Magnetic Resonance Imaging  RAD 483 Magnetic Resonance Imaging I  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B  d. Vascular Radiography  RAD 486 Vascular Radiography - W  & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B			
RAD 483 Magnetic Resonance Imaging I & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B	or RAD 476	Advanced Modality Clinical B	
<ul> <li>&amp; RAD 475 and Advanced Modality Clinical A</li> <li>or RAD 476 Advanced Modality Clinical B</li> <li>d. Vascular Radiography</li> <li>RAD 486 Vascular Radiography - W</li> <li>&amp; RAD 475 and Advanced Modality Clinical A</li> <li>or RAD 476 Advanced Modality Clinical B</li> </ul>	_		
d. Vascular Radiography RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B	& RAD 475	and Advanced Modality Clinical A	
RAD 486 Vascular Radiography - W & RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B		·	
& RAD 475 and Advanced Modality Clinical A or RAD 476 Advanced Modality Clinical B			
or RAD 476 Advanced Modality Clinical B		- · · ·	
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		·	

RAD 430	Healthcare Communication
& RAD 432	and Healthcare Human Resource Mgmt
	plete the following:
RAD 404	Clinical Education V
RAD 437	Image Analysis
RAD 496	Radiologic Sci Research I-W
	ne following modalities:
a. Mammograp	
RAD 481	Mammography II
& RAD 475	and Advanced Modality Clinical A
	Advanced Modality Clinical B
b. Computer To	5 . )
RAD 478 & RAD 475	Computed Tomography II-W and Advanced Modality Clinical A
	•
	Advanced Modality Clinical B
RAD 484	sonance Imaging Magnetic Reson Imaging II - W
8 RAD 475	and Advanced Modality Clinical A
	Advanced Modality Clinical B
d. Vascular Rad	-
RAD 487	Vascular Radiography II
& RAD 475	and Advanced Modality Clinical A
	Advanced Modality Clinical B
e. Radiology Ad	•
RAD 433	Health Care Financial Mgmt
& RAD 435	and Health Care Operations Mgt - W
C. Summer - Co	omplete the following:
RAD 405	Clinical Education VI
RAD 494	Directed Independent Study
RAD 497	Rad Science Research II
Select one of the	ne following modalities:
a. Mammograp	hy
RAD 482	Mammography III
& RAD 475	and Advanced Modality Clinical A
or RAD 476	Advanced Modality Clinical B
b. Computer To	omography
RAD 479	Computed Tomography III
& RAD 475	and Advanced Modality Clinical A
or RAD 476	Advanced Modality Clinical B
c. Magnetic Re	sonance Imaging
RAD 485	Magnetic Resonance Imaging III
& RAD 475	and Advanced Modality Clinical A
	Advanced Modality Clinical B
d. Vascular Rad	3 1 7
RAD 481	Mammography II
& RAD 475	and Advanced Modality Clinical A
	Advanced Modality Clinical B
e. Radiology Ad	
RAD 440	Radiology Management Preceptor
Track 2: Ultrasound	•
	nours; Complete the following:
RAD 417	Ultrasound Anatomy &Scanning-W
RAD 421	Ultras Physics-Instrumentation
RAD 423	Ultrasound Clinical Educ I

Total Hours		134-145
A minor is not req	uired for this degree program	0
Minor Requireme		
RAD 320	Cross-Sectional Anatomy (see footnote table below (p. 2)) $^{2}$	
RAD 497	Rad Science Research II	
RAD 454	Quality Mgt In Rad Oncology	
RAD 456	Dosimetry and Tx Planning II	
RAD 443	Clinical Education III	
	omplete the following:	
RAD 496	Radiologic Sci Research I-W	
RAD 458	Cancer Mgt in Oncology - W	
RAD 453	Prin Prac of Rad Oncology II	
RAD 455	Dosimetry and Tx Planning I	
RAD 442	Clinical Education II	
B. Spring - Con	nplete the following:	
RAD 452	Prin Pract of Rad Oncology I	
RAD 450	Patient Care in Oncology	
RAD 446	Orientation to Oncology - W	
RAD 448	Radiation Therapy Physics	
RAD 441	Clinical Education I	
A. Fall - Compl	ete the following:	
Track 3: Radiation	Therapy Only	
RAD 497	Rad Science Research II	
RAD 427	Procedural Guidelines in Ultra	
RAD 425	Ultrasound Clinical Educ III	
RAD 320	Cross-Sectional Anatomy (see footnote table below (p. 2)) $^{2}$	
C. Summer - Co	omplete the following:	
RAD 496	Radiologic Sci Research I-W	
RAD 424	Ultrasound Clinical Educ II	
RAD 418	Ultras Anat-Scan Tech-OB-GYN	
B. Spring - Con	nplete the following:	
RAD 411	Survey of Pathology (see footnote table below $(p. 2)$ ) <sup>2</sup>	/

# **Footnote**

Students who choose to complete Track 1 (Radiography to include one advanced modality) will be eligible to apply for continuation in the program to study any additional modality to include ultrasound and radiation therapy in a non-degree seeking student status. Please note that non-degree seeking students are not eligible for federal financial

# **General Education Requirements**

Code	Title	Hours
Area I - Written C	Composition	
A. Complete the	following:	
EH 101	<b>English Composition I</b>	3
B. Complete the	following:	
EH 102	<b>English Composition II</b>	3
Area II - Humani	ties & Fine Arts	

A. Co	mplet	e the	foll	lowing:
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Α.	Complete the 10	ollowing:	
	A 110	Public Speaking	3
В.	Select one of the	ne following: see footnote table below (p. 4) <sup>1</sup>	3
	EH 215	Brit Lit before 1785	
	EH 216	Brit Lit after 1785	
	EH 225	Am Lit before 1865	
	EH 226	Am Lit after 1865	
	EH 235	World Lit before 1650	
	EH 236	World Lit after 1650	
C.	Select one of th	ne following:	3
	ARH 100	Survey of Art	
	ARH 103	Art History I	
	ARH 123	Art History II	
	ARS 101	Art Appreciation	
	DRA 110	Introduction to Theatre	
	MUL 101	Introduction to Music	
D.	Select three ho	urs from the following:	3
	AFR 101	Intro to African Amer Studies	
	ARH 100	Survey of Art	
	ARH 103	Art History I	
	ARH 123	Art History II	
	ARH 203	Survey of Non-Western Art	
	ARS 101	Art Appreciation	
	CLA 110	Intro Anc Greek Roman Culture	
	DRA 110	Introduction to Theatre	
	EH 215	Brit Lit before 1785	
	EH 216	Brit Lit after 1785	
	EH 225	Am Lit before 1865	
	EH 226	Am Lit after 1865	
	EH 235	World Lit before 1650	
	EH 236	World Lit after 1650	
	LG 101	Introductory Latin I	
	LG 102	Introductory Latin II	
	LG 111	Introductory French I	
	LG 112	Introductory French II	
	LG 121	Introductory Chinese I	
	LG 122	Introductory Chinese II	
	LG 131	Introductory Spanish I	
	LG 132	Introductory Spanish II	
	LG 141	Intro Classical Greek I	
	LG 142	Intro Classical Greek II	
	LG 151	Introductory German I	
	LG 152	Introductory German II	
	LG 153	Accelerated Intro German	
	LG 171	Introductory Russian I	
	LG 171	Introductory Russian II	
	LG 172 LG 173	Accelerated Intro Russian	
	LG 173	Intermediate Latin I	
	LG 201 LG 202	Intermediate Latin II	
	LG 202 LG 211	Intermediate French I	
	LG 211	Intermediate French II	
	LG 212	Accelerated Inter French - H	
	20 210	Accounted inter French 11	

<sup>2</sup> RAD 320 and RAD 411 required if not previously completed.

LG 221	Intermediate Chinese I		C. Select one of t	he following:	4
LG 222	Intermediate Chinese II		BLY 102	Life Science II	
LG 231	Intermediate Spanish I		& 102L	and Life Science II Lab	
LG 232	Intermediate Spanish II		or BLY 122	General Biology II	
LG 234	Inter Spanish Accel -H		& 122L	and General Biology II Laboratory	
LG 241	Interm Classical Greek I		CH 101	Survey of Inorg and Org Chem	
LG 242	Interm Classical Greek II		& 101L	and Survey Inorg-Org Chem Lab	
LG 251	Intermediate German I		CH 131	General Chemistry I	
LG 252	Intermediate German II		& 131L	and General Chemistry I Lab	
LG 271	Intermediate Russian I		CH 132 & 132L	General Chemistry II and General Chemistry II Lab	
LG 272	Intermediate Russian II			, Social & Behavioral Sciences see footnote table	
LG 273	Intensive Second Year Russian		below (p. 4) 1	, Social & Benavioral Sciences see foothole table	
LGS 101	Introductory Japanese I		A. Complete the f	following:	
LGS 102	Introductory Japanese II		PSY 120	Introduction to Psychology	3
LGS 106	Introductory Arabic I		B. Select one of t	, ,,	3
LGS 107	Introductory Arabic II		HY 101	HY of Western Civilization I	U
LGS 110	Intro American Sign Language I		HY 102	HY of Western Civilization II	
LGS 111	Intro American Sign Lang II		HY 135	US History to 1877	
LGS 171	Introductory Korean I		HY 136	US History since 1877	
LGS 172	Introductory Korean II		C. Select two of t	-	6
LGS 201	Intermediate Japanese I		AN 100	Intro to Cultural Anthropology	U
LGS 202	Intermediate Japanese II		AN 101	Intro Archaeology-Bio Anthro	
LGS 206	Intermediate Arabic I		CA 100	Intro to Communication	
LGS 200	Intermediate Arabic II		CA 100		
LGS 207	Intermediate ASL I		ECO 215	Interpersonal Comm Prin of Microeconomics	
LGS 210	Intermediate ASL II		ECO 215 ECO 216	Prin of Macroeconomics  Prin of Macroeconomics	
MUL 101	Introduction to Music				
PHL 110	Introduction to Music Introduction to Philosophy		GEO 114 GEO 115	People, Places, Environment	
PHL 120	Critical Thinking		GEO 115 GS 101	World Regional Geography Intro to Gender Studies	
PHL 121	Introduction to Logic		HY 101	HY of Western Civilization I	
PHL 131	Introduction to Ethics		HY 102	HY of Western Civilization II	
PHL 231	Social Ethics		HY 135		
PHL 240	Western Philosophy: Classical			US History oince 1977	
REL 100	Intro to the Study of Religion		HY 136	US History since 1877 Global Issues	
REL 200	Old Testament/Hebrew Bible		IS 100		
REL 200			IST 201	Seasons of Life	
	Survey of the New Testament al Sciences & Mathematics		NAS 101	Intro Native American Studies	
	urs from the following:	2	PSC 130	Intro to US Government	
MA 112	Precalculus Algebra	3	PSY 250	Life Span Development	
MA 112	Precalculus Argebra  Precalculus Trigonometry		SY 109	Introductory Sociology Social Problems	
MA 115	Precal Algebra-Trigonometry		SY 112		
				fessional Required Courses	
MA 120 MA 125	Calculus and Its Applications Calculus I		A. Complete the f		
			BMD 251	Human Anatomy & Physiology I	4
MA 126	Calculus II		BMD 252	Human Anatomy & Physiology II	4
MA 227	Calculus III		B. Complete the f	-	
MA 237	Linear Algebra I			rs from the following:	4-5
MA 238	Differential Equations I		PH 104	Concepts of Physics	
B. Complete the	-	4	PH 104L	Concepts of Physics Laboratory	
BLY 101 & 101L	Life Science I and Life Science I Laboratory	4	PH 114	Physics with Algebra-Trig I	
or BLY 121	General Biology I		PH 114L	Alg-Trig Based Physics I Lab	
& 121L	and General Biology I Lab		D. Select one of t	-	3
			BUS 245	Data Analytics I	

Total Hours		56-57
ST 305	Applied Stat Health Sciences	
ST 210	Stat Reason and Application	

#### Footnote

Students must complete a 6 credit hour sequence either in literature (Area II – EH 215 & EH 216, EH 225 & EH 226, or EH 235 & EH 236) or history (Area IV – HY 101 & HY 102 or HY 135 & HY 136).

All undergraduates must complete two designated writing credit (W) courses, at least one of which must be in the student's major or minor.

# **Graduation Plan**

Multiple Degree Plans Available. Select To View Option:

## **Radiologic Sciences (BS)**

(126-153 Total Hours)

The total number of hours for the RAD degree depends on which Track is chosen by the student.

	Title	Hours
First Year Fall		
Pre-Professional Year		
EH 101	English Composition I	3
Biology	Area III, B <sup>1</sup>	4
PSY 120	Introduction to Psychology	3
Social Science	Area IV, C <sup>1</sup>	3
	Hours	13
Spring		
Pre-Professional Year		
EH 102	English Composition II	3
Biology	Area III, C <sup>1</sup>	4
MA 112	Precalculus Algebra	3
CA 110	Public Speaking	3
History	Area IV, B <sup>1</sup>	3
	Hours	16
Second Year		
Fall		
Pre-Professional Year		
BMD 251	Human Anatomy & Physiology I	4
Statistics	Area V, D <sup>1</sup>	3
History Sequence/Social Science	Area IV, C <sup>1</sup>	3
Literature	Area II, B <sup>1</sup>	3
Fine Arts	Area II, C <sup>1</sup>	3
	Hours	16
Spring		
Pre-Professional Year		
BMD 252	Human Anatomy & Physiology II	4
PH 104 & 104L	Concepts of Physics and Concepts of Physics Laboratory	4
Literature Sequence/	Area II, D <sup>1</sup>	3
Humanities		
· ·	Hours	11

<sup>&</sup>lt;sup>1</sup> See General Education Requirements

Course	Title	Hours
First Year		
Fall		
Professional Year		
RAD 300	Clinical Education I	2
RAD 304	Patient Care & Ethics	3
RAD 307	Osseous I	4
RAD 310	Radiation Biology	2
RAD 312	Princ of Radiographic Exposure	4
	Hours	15
Spring		
Professional Year		
RAD 301	Clinical Education II	4
RAD 308	Osseous II	4
RAD 315	Contrast Media	2
RAD 318	Radiologic Physics	4
RAD 335	Pediatric-Geriatric Rad	1
	Hours	15
Summer		
Professional Year		
RAD 302	Clinical Ed III	4
RAD 320	Cross-Sectional Anatomy	2
RAD 415	Diagnostic Imaging	2
	Hours	8
	Total Hours	38

At the end of the first professional year, students will be asked to make a choice on how they wish to complete the degree.

There are three tracks from which to choose to complete the second professional year.

- Track I General Radiography plus one advanced imaging modality (Vascular Imaging, CT, MRI, Mammography)
- Track 2 Ultrasound only
- Track 3 Radiation Therapy only

In addition to one of the modalities in Track 1, students may choose to add studies in Radiology Administration.

Students may also choose to complete the second professional year as described for Track 1, and then later apply for admission to any advanced modality including Ultrasound or Radiation Therapy. Please note that students with bachelor's degrees in Radiologic Sciences do not currently qualify for federal financial aid benefits when pursuing additional certifications such as Radiation Therapy.

## **Bridge Program Students**

Registered Radiographers wishing to complete a bachelor's degree in Radiologic Sciences are responsible for completing all requirements from the first and second year of the pre-professional component of the program prior to enrolling in the professional component of the Radiologic Sciences program. Upon successful completion of the bridge course, the Radiologic Sciences advisor will request for 38 hours of alternative credit (i.e. credit from the first professional year of the Radiologic Sciences program) to be added to the students' Degree Audit. Bridge student will choose either TWO advanced imaging specialties from the Second Professional Year Track I, ONE advanced imaging specialty and Radiologic Administration from the Second Professional Year Track I, the Second Professional Year for Ultrasound—Track II only, or the Second Professional Year for Radiation Therapy—Track III only. Bridge program students complete the program in 4 semesters (includes 2 summer

terms). Students participating in the bridge program may have RAD 411 waived after successfully completing RAD 491 if the student will otherwise meet the upper-division residency requirement.

#### Bridge Students Only Track 1

Track 1 + Rad Admin  General Radiography, A, and one modality, a-d, and e 1.2  Hours  Hours  48-  Spring  Professional Year  Track 1 + Rad Admin  General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin  General Radiography, A, and one modality, a-e 1  Track 1 + Rad Admin  Bridge Students  RAD 496 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours  38-  Summer  Professional Year  Track 1 - Rad Admin  General Radiography, A and one modality, a-e 1  8-  Summer  Professional Year  Track 1 - General Radiography, A and one modality, a-e 1  8-  Track 1 + Rad Admin  General Radiography, A and one modality, a-e 1  8-  Track 1 - Rad Admin  General Radiography, A, and one modality a-d, and e 1  Bridge Students  RAD 497 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only		Total Hours	118-143
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality a-d, and e 1  Bridge Students RAD 496 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 38-  Summer  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Summer  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Radiation Therapy Only 1  Bridge Students RAD 497 and two modalities from a-e, or Ultrasound 6-		Hours	26-36
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality a-d, and e 1  Bridge Students RAD 496 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 38-  Summer  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Summer  Professional General Radiography, A and one modality, a-e 1  Summer  General Radiography, A and one modality, a-e 1  Summer  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Seneral Radiography, A and one modality a-d, and e 1	Bridge Students		6-13
Summer RAD 491 Prof. Radiological Practice Hours  Second Year Fall Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality a-d, and e 1  Bridge Students RAD 496 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 38-  Summer  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Bridge Students RAD 496 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 38-  Summer  Professional Year		* ' '	12
Summer RAD 491 Prof. Radiological Practice Hours  Second Year Fall Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality a-d, and e 1  Bridge Students RAD 496 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 38-  Summer Professional Year			8-11
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality a-d, and e 1  Bridge Students RAD 496 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 38-			
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality a-d, and e 1  Bridge Students RAD 496 and two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1	Summer		55 40
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1  Bridge Students RAD 496 and two modalities from a-e, or Ultrasound 8-			38-46
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring  Professional Year  Track 1 General Radiography, A and one modality, a-e 1	Bridge Students		8-16
Summer RAD 491 Prof. Radiological Practice Hours  Second Year Fall Professional Year  Track 1 General Radiography, A and one modality, a-e 1 Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2 Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1 Hours 48- Spring Professional Year	Track 1 + Rad Admin	General Radiography, A, and one modality a-d, and e <sup>1</sup>	18
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only 1  Hours 48-  Spring	Track 1	General Radiography, A and one modality, a-e <sup>1</sup>	12
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or 8-Radiation Therapy Only 1  Hours 48-	Professional Year		
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2  Bridge Students Two modalities from a-e, or Ultrasound Only, or 8-Radiation Therapy Only 1	Spring		
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year  Track 1 General Radiography, A and one modality, a-e 1  Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1.2  Bridge Students Two modalities from a-e, or Ultrasound Only, or 8-		Hours	48-55
Summer RAD 491 Prof. Radiological Practice Hours  Second Year Fall Professional Year  Track 1 General Radiography, A and one modality, a-e 1 Track 1 + Rad Admin General Radiography, A, and one modality, a-d, and e 1,2	Bridge Students	· · · · · · · · · · · · · · · · · · ·	8-15
Summer RAD 491 Prof. Radiological Practice Hours Second Year Fall Professional Year Track 1 General Radiography, A and one modality, a-e 1			23
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year  Fall  Professional Year			17
Summer  RAD 491 Prof. Radiological Practice  Hours  Second Year Fall			
Summer  RAD 491 Prof. Radiological Practice  Hours			
Summer  RAD 491 Prof. Radiological Practice  Hours	Second Year		
Summer		Hours	6
	RAD 491	Prof. Radiological Practice	6
First Year	Summer		
	First Year		
Course Title Hou	Course	Title	Hours

<sup>&</sup>lt;sup>1</sup> See General Education Requirements

#### Track 2

Course	Title	Hours
First Year		
Summer		
RAD 491	Prof. Radiological Practice	6
	Hours	6
Second Year		
Fall		
Professional Year		
Track 2	Ultrasound Only, A <sup>1</sup>	9-13
Bridge Students	Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only <sup>1</sup>	8-15
	Hours	17-28
Spring		
Professional Year		
Track 2	Ultrasound Only, A <sup>1</sup>	12
Bridge Students	RAD 496 and <b>two</b> modalities from a-e, or Ultrasound Only, or Radiation Therapy Only <sup>1</sup>	8-16
	Hours	20-28
Summer		
Professional Year		
Track 2	Ultrasound Only, A <sup>1</sup>	9-11

Bridge Students	RAD 497 and <b>two</b> modalities from a-e, or Ultrasound Only, or Radiation Therapy Only	6-13
	Hours	15-24
	Total Hours	58-86

<sup>&</sup>lt;sup>1</sup> See General Education Requirements

	·	
Track 3		
Course	Title	Hours
First Year		
Summer		
RAD 491	Prof. Radiological Practice	6
	Hours	6
Second Year		
Fall		
Professional Year		
Track 3	Radiation Therapy Only, A <sup>1</sup>	15
Bridge Students	Two modalities from a-e, or Ultrasound Only, or Radiation Therapy Only <sup>1</sup>	8-15
	Hours	23-30
Spring		
Professional Year		
Track 3	Radiation Therapy Only, A <sup>1</sup>	16
Bridge Students	RAD 496 and <b>two</b> modalities from a-e, or Ultrasound Only, or Radiation Therapy Only <sup>1</sup>	8-16
	Hours	24-32
Summer		
Professional Year		
Track 3	Radiation Therapy Only, A <sup>1</sup>	11-13
Bridge Students	RAD 497 and <b>two</b> modalities from a-e, or Ultrasound Only, or Radiation Therapy Only	6-13
	Hours	17-26
	Total Hours	70-94

<sup>&</sup>lt;sup>1</sup> See General Education Requirements

#### Notes:

The total number of hours to complete the RAD degree is based on which Track is chosen by the student.

### **RT to BS Students**

Only (32 Total Hours)

First Semester-Summer 1

Course	Title	Hours
Summer		
RAD 491	Prof. Radiological Practice	6
	Hours	6
	Total Hours	6
Course	Title	Hours
Fall		
RAD 432	Healthcare Human Resource Mgmt	3
RAD 433	Health Care Financial Mgmt	3
RAD 428	Computed Tomography Procedures (Computed Tomography Procedures)	3
RAD 426	CT Phys Princ and Qual Cont (Computed Tomography Physical Principles and QC)	3
	Hours	12
	Total Hours	12

<sup>&</sup>lt;sup>2</sup> Will need Dean's approval for over-the-credit-hour limit override

Course	Title	Hours
Spring		
RAD 496	Radiologic Sci Research I-W	1
RAD 435	Health Care Operations Mgt - W	3
RAD 430	Healthcare Communication	3
RAD 429	Adv Sect Imag - CT and MRI Pth (Advanced Sectional Imaging of CT and MRI Pathologies)	3
	Hours	10
	Total Hours	10
Course Summer	Total Hours Title	10 Hours
Summer	Title	Hours
Summer RAD 497	Title  Rad Science Research II	Hours 1

#### **Certificate Students**

Registered Radiographers wishing to complete a certificate program in Radiology Administration, Radiation Therapy, Ultrasound, Magnetic Resonance Imaging, Computed tomography, Interventional Radiology or Mammography are responsible for completing outlined requirements for the modality certificate they are obtaining.

#### Certificate Students Only Mammography, MRI, IR, CT

(12 Total Hours)

Course	Title	Hours
Fall		
RAD 475	Advanced Modality Clinical A	2
Select one of the following	g:	2
RAD 480	Mammography I - W	
RAD 483	Magnetic Resonance Imaging I	
RAD 486	Vascular Radiography - W	
RAD 477	Computed Tomography I	
	Hours	4
Spring		
RAD 475	Advanced Modality Clinical A	2
Select one of the following	g:	2
RAD 481	Mammography II	
RAD 484	Magnetic Reson Imaging II - W	
RAD 487	Vascular Radiography II	
RAD 478	Computed Tomography II-W	
	Hours	4
Summer		
RAD 475	Advanced Modality Clinical A	2
Select one of the following	g:	2
RAD 482	Mammography III	
RAD 485	Magnetic Resonance Imaging III	
RAD 488	Vascular Radiography III	
RAD 479	Computed Tomography III	
	Hours	4
	Total Hours	12

#### **Radiology Administration**

(7 Total Hours)

Course	Title	Hours
Fall		
RAD 430	Healthcare Communication	3
RAD 432	Healthcare Human Resource Mgmt	3
	Hours	6

	Total Hours	13
	Hours	1
RAD 440	Radiology Management Preceptor	1
Summer		
	Hours	6
RAD 435	Health Care Operations Mgt - W	3
RAD 433	Health Care Financial Mgmt	3
Spring		

#### Ultrasound

(29-31 Total Hours)

Course	Title	Hours
Fall		
RAD 423	Ultrasound Clinical Educ I	5
RAD 411	Survey of Pathology	4
RAD 417	Ultrasound Anatomy &Scanning-W	4
	Hours	13
Spring		
RAD 424	Ultrasound Clinical Educ II	5
RAD 421	Ultras Physics-Instrumentation	3
RAD 418	Ultras Anat-Scan Tech-OB-GYN	3
RAD 496	Radiologic Sci Research I-W	1
	Hours	12
Summer		
RAD 425	Ultrasound Clinical Educ III	5
RAD 427	Procedural Guidelines in Ultra	3
RAD 320	Cross-Sectional Anatomy	2
RAD 497	Rad Science Research II	1
	Hours	11
	Total Hours	36

#### **Radiation Therapy**

The total number of hours for the RAD degree depends on which Track is chosen by the student.

Course	Title	Hours
Spring		
RAD 455	Dosimetry and Tx Planning I	3
RAD 442	Clinical Education II	6
RAD 453	Prin Prac of Rad Oncology II	3
RAD 458	Cancer Mgt in Oncology - W	3
	Hours	15
Summer		
RAD 443	Clinical Education III	7
RAD 456	Dosimetry and Tx Planning II	2
RAD 454	Quality Mgt In Rad Oncology	1
	Hours	10
Fall		
RAD 441	Clinical Education I	5
RAD 448	Radiation Therapy Physics	3
RAD 320	Cross-Sectional Anatomy	2
RAD 446	Orientation to Oncology - W	3
RAD 450	Patient Care in Oncology	1
RAD 452	Prin Pract of Rad Oncology I	3
	Hours	17
	Total Hours	42