

RADIOLOGIC SCIENCES (BS) - MAMMOGRAPHY

Degree Requirements

Code	Title	Hours
General Education Requirements		
Select General Education Requirements (p.)		59-60
Major Requirements (67-81 Hours)		
<i>Radiologic Science -First Year Professional Component (13 Courses, 37 Hours)</i>		
A. Fall - Complete the following:		
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	3
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
<i>Radiologic Sciences -Second Year Professional Component</i>		<i>34-44</i>
A. Fall - 11 hours Complete the following:		
RAD 309	Osseous III	
RAD 403	Clinical Education IV	
RAD 411	Survey of Pathology	
RAD 480 & RAD 475	Mammography I - W and Advanced Modality Clinical A	
or RAD 476	Advanced Modality Clinical B	
B. Spring - Complete the following:		
RAD 404	Clinical Education V	
RAD 437	Image Analysis	
RAD 481 & RAD 475	Mammography II and Advanced Modality Clinical A	
or RAD 476	Advanced Modality Clinical B	
RAD 496	Radiologic Sci Research I-W	
C. Summer - Complete the following:		
RAD 405	Clinical Education VI	
RAD 482 & RAD 475	Mammography III and Advanced Modality Clinical A	
or RAD 476	Advanced Modality Clinical B	
RAD 494	Directed Independent Study	
RAD 497	Rad Science Research II	

Minor Requirements

A minor is not required for this degree program	0
Total Hours	132-143

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.

Course	Title	Hours
First Year		
Fall		
Pre-Professional Year		
EH 101	English Composition I	3
Biology	Area III, B ¹	4
PSY 120	Introduction to Psychology	3
Social Science	Area IV, C ¹	3
Hours		13
Spring		
Pre-Professional Year		
EH 102	English Composition II	3
Biology	Area III, C ¹	4
MA 112	Precalculus Algebra	3
CA 110	Public Speaking	3
History	Area IV, B ¹	3
Hours		16
Second Year		
Fall		
Pre-Professional Year		
BMD 251	Human Anatomy & Physiology I	4
Statistics	Area V, D ¹	3
History Sequence/Social Science	Area IV, C ¹	3
Literature	Area II, B ¹	3
Fine Arts	Area II, C ¹	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/Humanities	Area II, D ¹	3
Hours		11
Total Hours		56

¹ 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	3	
RAD 318	Radiologic Physics	4	
RAD 335	Pediatric-Geriatric Rad	1	
Hours		16	
Summer			
Professional Year			
RAD 302	Clinical Ed III	4	
RAD 320	Cross-Sectional Anatomy	2	
RAD 415	Diagnostic Imaging	2	
Hours		8	
Total Hours		39	

Bridge Students Only Track 1 - Mammography

Course	Title	Hours
First Year		
Summer		
RAD 491	Prof. Radiological Practice	6
Hours		6
Second Year		
Fall		
Professional Year		
Hours		0
Total Hours		6

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.