

# RADIOGRAPHY

Radiographers perform a variety of radiographic (X-ray) examinations on nearly every organ or body region utilizing radiographic and digital imaging equipment and computers. The radiographer comes in contact with patients of all ages and various levels of health, ranging from the patient requiring a routine check-up to the severely injured trauma patient. The radiographer must meet the health care needs of the patient while providing them with excellent service to meet the physician's diagnostic needs. Radiographers also have the opportunity to expand their careers through additional education and clinical experience in subspecialty areas such as vascular imaging, mammography, radiation therapy, computed tomography and magnetic resonance imaging. The radiographer is an integral part of the health care team, utilizing skills, talents and education to meet the patient's needs in an efficient and professional manner.

## Program Description

The Radiography program is designed to educate students in the science of radiography. Students are instructed in the classroom and at multiple clinical facilities. Upon completion of the program, graduates are awarded an Associate in Applied Science degree and are eligible to take the American Registry of Radiologic Technologists registry examination.

## Mission

The Radiography program provides the health care community with educated, professionally competent, entry-level radiographers.

## Learning Goals and Objectives

**Goal 1.** To prepare competent, entry-level radiographers in the cognitive (knowledge) and psychomotor (skills) learning domains.

**Outcome 1.1:** Student is able to apply knowledge in anatomical technique selection and EI evaluation.

**Outcome 1.2:** Student will demonstrate positioning skills for a given examination.

**Outcome 1.3:** Student is able to recognize imaging errors and describe corrective action.

**Goal 2.** Demonstrate a commitment to professional ethics, attitudes, and behaviors.

**Outcome 2.1:** Student explains the importance of ethics in the Radiography profession.

**Outcome 2.2:** Student models professional ethics, behaviors and attitudes when in the lab and clinical setting.

**Goal 3.** Apply theoretical knowledge and critical thinking to clinical practice.

**Outcome 3.1:** Student will apply critical thinking skills to classroom and lab applications.

**Outcome 3.2:** Student exhibits synthesis of coursework, clinical skills, and experiential learning to demonstrate proficiency in the health care setting.

**Goal 4.** Communicate effectively and respectfully with the patient and members of the healthcare team.

**Outcome 4.1:** Student will effectively utilize oral communication with patients and other members of the healthcare team in the lab and clinical setting.

**Outcome 4.2:** Student will utilize effective written communication.

## Associate Requirements

Code	Title	Hours
<b>General Education</b>		
BIO 175	A&P for Nursing & Allied Health	4
BIO 175L	A&P Nursing & Allied Health Lab	0
CSS 101	College Studies Seminar	3
MAT 112	College Algebra	3
PSY 100	Introductory Psychology	3
BIO 176	A&P Nursing & Allied Health II	4
BIO 176L	A&P Nursing & Allied Health II Lab	0
ENG 101	Craft of Language	3
SOC 270	Special Topics	3
INT 103	Methods of Patient Care	1
PHL 490	Ethical & Legal Dimen Hlth Sci	1
HSC 390	Medical Terminology	1
free elective		3
<b>Radiography</b>		
RAD 101	Radiographic Procedures I	4
RAD 122C	Clinical Practice I Clinical	0
RAD 122	Clinical Practice I Lab	3
RAD 131	Radiologic Science I	2
RAD 123	Radiographic Procedures II	4
RAD 104	Clinical Practice II	3
RAD 132	Radiologic Science II	3
RAD 221	Adv Radiographic Procedures I	4
RAD 222C	Clinical Practice III Clinical	0
RAD 222	Clinical Practice III Lab	5
RAD 223	Adv Radiographic Procedures II	4
RAD 233	Radiologic Science III	1
RAD 224	Clinical Practice IV	5
RAD 240	Radiation Biology	1
NMT 195	Cross-Sectional Anatomy	1
<b>Total Hours</b>		<b>69</b>

## Typical Course Sequence

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
BIO 175 & 175L	A&P for Nursing & Allied Health and A&P Nursing & Allied Health Lab	4
CSS 101	College Studies Seminar	3
RAD 101	Radiographic Procedures I	4
RAD 122 & 122C	Clinical Practice I Lab and Clinical Practice I Clinical	3
RAD 131	Radiologic Science I	2
INT 103	Methods of Patient Care	1

## 2 Radiography

HSC 390	Medical Terminology	1
<b>Hours</b>		<b>18</b>
<b>Spring</b>		
BIO 176 & 176L	A&P Nursing & Allied Health II and A&P Nursing&Allied Hlth II Lab	4
ENG 101	Craft of Language	3
RAD 123	Radiographic Procedures II	4
RAD 104	Clinical Practice II	3
RAD 132	Radiologic Science II	3
<b>Hours</b>		<b>17</b>
<b>Second Year</b>		
<b>Fall</b>		
PSY 100	Introductory Psychology	3
RAD 221	Adv Radiographic Procedures I	4
RAD 222 & 222C	Clinical Practice III Lab and Clinical Practice III Clinical	5
RAD 233	Radiologic Science III	1
MAT 112	College Algebra	3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
Elective		3
RAD 223	Adv Radiographic Procedures II	4
SOC 270	Special Topics	3
PHL 490	Ethical & Legal Dimen Hlth Sci	1
RAD 224	Clinical Practice IV	5
RAD 240	Radiation Biology	1
NMT 195	Cross-Sectional Anatomy	1
<b>Hours</b>		<b>18</b>
<b>Total Hours</b>		<b>69</b>