

# Radiologic Technology (Associate of Applied Science) - Memphis

## Associate of Applied Science Program

**Contact Hours:** 2,642.5

**Semester Credits:** 98.5

**Instructional Weeks – Full Time:** 80

**Average Time to Complete – Full Time:** 20 Months

**Program offered at:** Memphis, Tennessee

## Radiologic Technology (Associate of Applied Science) Mission Statement

The program provides and maintains a supportive learning environment and curriculum that prepares students for entry-level, diagnostic radiographer positions. The program prepares students to successfully complete the American Registry of Radiologic Technologists (ARRT) Examination and, upon successful completion of this examination, become Registered Technologists in Radiography, RT(R).

## Learning Objectives / Instructional Outcomes

### Goal 1: Students will demonstrate clinical competency.

- Student Learning Outcomes: Students will utilize proper positioning skills.
- Students will obtain radiographs of acceptable diagnostic quality.
- Students will exercise proper radiation protection.

### Goal 2: Students will develop problem-solving and critical thinking skills.

- Student Learning Outcomes: Students will be able to modify standard procedures to accommodate non-routine patient conditions.
- Students will be able to demonstrate the ability to critique images to determine diagnostic quality.

### Goal 3: Students will apply effective communication skills.

- Student Learning Outcomes: Students will demonstrate effective oral communication skills.
- Students will exercise effective written communication skills.

## Career Overview

Radiologic Technologists perform diagnostic imaging examinations on patients. They prepare patients and provide patient education for procedures. Radiologic Technologists operate the equipment to take the images and work with physicians to evaluation and determine if additional images are needed. Some technicians may prepare and administer nonradioactive materials for diagnostic procedures or assist in other specialized areas of radiology.

**In order to graduate from the Radiologic Technology (Associate of Applied Science) program, students must successfully complete the following curriculum:**

## Program Delivery

The Radiologic Technology program is delivered in a blended format. Courses will be delivered entirely online, entirely on-ground or with an appropriate blend of both online and on-ground hours in the same course. Of the

2,642.5 program hours, a maximum of 608.5 course hours (23.0%) may be offered online (including general education courses). Campuses may have the option to deliver general education courses either online or on-ground depending on local need and availability specific time, regardless of their eligibility status upon enrollment.

Course #	Course Title	Theory Hours (Ground/Online)	Lab Hours (Ground/Online)	Clinical Hours (Ground/Online)	Semester Credit Hours
MATH1320	College Algebra	45 ( 0 / 45 )	0	0	3
ENGL1310	English Composition I	45 ( 0 / 45 )	0	0	3
COMM1310	Elements of Human Communication	45 ( 0 / 45 )	0	0	3
PSYC1310	General Psychology	45 ( 0 / 45 )	0	0	3
SOCI1310	Introduction to Sociology	45 ( 0 / 45 )	0	0	3
CSCI1310	Computer Science	45 ( 0 / 45 )	0	0	3
PHIL1310	Critical Thinking	45 ( 0 / 45 )	0	0	3
BIOL1301	Anatomy & Physiology	45 ( 0 / 45 )	0	0	3
RAD120	Introduction to Radiologic Technology	37.5 ( 15 / 22.5 )	15 ( 15 / 0 )	0	3
RAD121	Patient Care in Radiology	37.5 ( 25 / 12.5 )	15 ( 15 / 0 )	0	3
RAD124	Medical Terminology	45 ( 10 / 35 )	0	0	3
RAD130	Image Production I	30 ( 20 / 10 )	0	0	2
RAD131	Radiation Physics	37.5 ( 20 / 17.5 )	15 ( 15 / 0 )	0	3
RAD135	Positioning I	30 ( 10 / 20 )	60 ( 60 / 0 )	0	4
RAD136	Clinical I	0	0	160 ( 160 / 0 )	3.5
RAD140	Image Production II	45 ( 30 / 15 )	0	0	3
RAD142	Radiation Biology	45 ( 25 / 20 )	0	0	3
RAD145	Positioning II	30 ( 15 / 15 )	30 ( 30 / 0 )	0	3
RAD146	Clinical II	0	0	160 ( 160 / 0 )	3.5
RAD255	Positioning III	30 ( 15 / 15 )	30 ( 30 / 0 )	0	3
RAD256	Clinical III	0	0	320 ( 320 / 0 )	7
RAD267	Clinical IV	0	0	310 ( 310 / 0 )	6.5
RAD270	Medical Ethics & Law	30 ( 9 / 21 )	0	0	2
RAD271	Radiological Theory	30 ( 15 / 15 )	0	0	2
RAD272	Special Radiographic Procedures/Pathology	45 ( 25 / 20 )	0	0	3
RAD277	Clinical V	0	0	330 ( 330 / 0 )	7
RAD281	Registry Review	45 ( 35 / 10 )	0	0	3
RAD286	Clinical VI	0	0	320 ( 320 / 0 )	7
<b>Total</b>		<b>877.5 (269/608.5)</b>	<b>165 (165/0)</b>	<b>1600 (1600/0)</b>	<b>98.5</b>

\* These courses may be offered entirely online or entirely on-ground at the campus.