

## Radiologic Technology (Associate of Applied Science)

<b>Associate of Applied Science Degree</b> 2,642.5 Contact Hours 98.50 Semester Credits 80 Instructional Weeks – Full Time	Program offered at: Memphis, Tennessee
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### 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 competently perform entry-level radiologic procedures.

Students will produce quality diagnostic images.

Students will exercise proper radiation protection.

Students will practice proper patient care.

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

Students will be able to modify standard procedures to accommodate patient conditions.

Students will be able to adjust radiographic factors to produce optimal quality images.

Goal 3: Students will apply effective communication skills.

Students will communicate effectively with patients.

Students will exercise effective written communication skills.

Goal 4: Students will exhibit professional values.

Students will display professionalism.

Students will demonstrate understanding of ethical behavior.

### 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 evaluate 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:**

Course #	Course Title	Theory Hours	Lab Hours	Clinical Hours	Semester Credit Hours
MATH1320	College Algebra	45			3.00
ENGL1310	English Composition I	45			3.00
COMM1310	Elements of Human Communication	45			3.00
PSYC1310	General Psychology	45			3.00
SOCI1310	Introduction to Sociology	45			3.00
CSCI1310	Computer Science	45			3.00
PHIL1310	Critical Thinking	45			3.00
BIOL1301	Anatomy & Physiology	45			3.00
RAD120	Introduction to Radiologic Technology	37.5	15		3.00
RAD121	Patient Care in Radiology	37.5	15		3.00
RAD124	Medical Terminology	45			3.00
RAD130	Image Production I	30			2.00
RAD131	Radiation Physics	37.5	15		3.00
RAD135	Positioning I	30	60		4.00
RAD136	Clinical I			160	3.50
RAD140	Image Production II	45			3.00
RAD142	Radiation Biology	45			3.00
RAD145	Positioning II	30	30		3.00
RAD146	Clinical II			160	3.50

RAD255	Positioning III	30	30		3.00
RAD256	Clinical III			320	7.00
RAD266	Clinical IV			400	8.50
RAD270	Medical Ethics & Law	30			2.00
RAD271	Radiological Theory	30			2.00
RAD272	Special Radiographic Procedures/Pathology	45			3.00
RAD276	Clinical V			240	5.00
RAD276	Registry Review	45			3.00
RAD286	Clinical VI			320	7.00
	<b>Subtotals</b>	<b>877.5</b>	<b>165</b>	<b>1,600</b>	<b>98.50</b>