

# RADIOLOGIC TECHNOLOGY

## What is radiologic technology?

Join one of today's most exciting career fields- Radiologic Technology. Practitioners apply modern radiographic techniques to produce medical diagnostic images.

## What you will learn

- Radiation Knowledge: Apply modern principles of radiation exposure, radiation physics, radiation protection, and radiation biology to produce medical diagnostic images.
- Medical Knowledge: Training will include medical terminology, human anatomy and physiology, pathology and radiographic positioning techniques applicable to the medical imaging field.
- Evaluation: Learn to evaluate and report malfunctioning equipment through appropriate channels. Also evaluate radiographic images for diagnostic quality, appropriateness, pathology, and additional view requirements.
- Clinical Duties: Clinical duties vary according to state law but usually include providing patients with information regarding preparation, expectations, and post-procedural care requirements. Proper care and maintenance of patient records in accordance with applicable regulations are stressed.

## Certifications preparing for

American Registry of Radiologic Technologists (ARRT) certification exam

## Type of college degree

Associate of Applied Science (two years)

## Career information

Radiologic Technology graduates will find career positions in clinics, hospitals, physician's offices, mobile units, as well as in research, public health, industry, and in the sales and service of radiographic equipment.

## Job Outlook and Pay

Median Wage (MT)*	\$53,920 yearly \$25.92 per hour
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Median Wage (US)*	\$58,440 yearly \$28.10 per hour
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\*Bureau of Labor Statistics, Office of Employment Projections, MT Dept. of Labor and Industry, Research and Analysis Bureau (projections through MT 2024 & US 2026)

\*\*For more information visit <http://www.careerinfonet.org/Occupations>.

City College entry-level wages of graduates:

**\$42,121** (2014-2017)

## Special admission procedures

Once individuals have completed the health care core prerequisite semester they will go through a competitive admissions procedure to enter the clinical portion of the radiologic tech program. Due to limited clinical/laboratory space, only 14 to 16 students once a year will be selected to continue in the program. Please see an advisor for more information.

# Radiologic Technology

(Associate of Applied Science Degree)

## Suggested Plan of Study Radiologic Technology, Associate of Applied Science Degree

<b>Prerequisite Courses</b>	<b>Credits</b>
BIOH 201 Human Anatomy & Physiology I .....	3
BIOH 202 Human Anatomy & Physiology I Lab .....	1
CAPP 120 Introduction to Computers.....	3
WRIT 122 Intro to Business Writing <b>or</b>	
WRIT 121 Intro to Technical Writing.....	3
M 114 Extended Technical Mathematics (Preferred) <b>or</b>	
M 105 Contemporary Mathematics.....	3

<b>Prerequisite Semester</b>	<b>Credits</b>
BIOH 201 .....	3
BIOH 202 .....	1
CAPP 120 .....	3
M 114 or 105 .....	3
WRIT 122 or 121.....	3
<b>Total .....</b>	<b>13</b>

**Students are chosen for the clinical portion of the Radiologic Technology program based on a competitive application process.** Students must have all prerequisite requirements successfully completed prior to the fall semester in which they wish to start. Due to limited clinical space, only 12-16 students per year will be selected to continue in the clinical portion of the program. Students must have a minimum grade point average (GPA) of 2.0 and a grade of C or better in the prerequisite courses. Please refer to the City College catalog for further details.

<b>First Semester (Fall)</b>	
AHXR 101 .....	3
AHXR 108.....	3
AHXR 150.....	3
AHXR 151 .....	1
AHXR 195A .....	5
<b>Total .....</b>	<b>15</b>

<b>Radiologic Technology Required Courses</b>	<b>Credits</b>
COMX 106 Communicating in a Dynamic Workplace.....	3
AHXR 101 Patient Care in Radiology .....	3
AHXR 108 Introduction to Radiologic Physics .....	3
AHXR 150 Radiologic Technology I.....	3
AXHR 151 Radiology I Positioning Lab .....	1
AHXR 160 Radiologic Technology II.....	4
AHXR 161 Radiology II Positioning Lab .....	1
AHXR 181 Radiology III Positioning Lab.....	1
AHXR 195 Clinical Radiology Intersession .....	1
AXHR 195A Clinical Radiology I .....	5
AHXR 195B Clinical Radiology II .....	6
AHXR 195C Clinical Radiology III.....	9
AHXR 225 Radiobiology/Radiation Practicum .....	3
AHXR 250 Radiologic Technology III .....	4
AHXR 260 Radiologic Technology IV .....	2
AHXR 270 Radiographic Registry Review.....	2
AHXR 295A Radiographic Clinical: IV .....	8
AHXR 295B Radiographic Clinical: V .....	8

<b>Intersession</b>	
AHXR 195 .....	1
<b>Total .....</b>	<b>1</b>

**Total credits required for the degree .....80**

**Recommended Prerequisite Courses:**

BIOH 211 Human Anatomy & Physiology II .....	3
PHSX 103 Our Physical World.....	3

<b>Second Semester (Spring)</b>	
AHXR 160.....	4
AHXR 161 .....	1
AHXR 195B .....	6
AHXR 225 .....	3
<b>Total .....</b>	<b>14</b>

<b>Third Semester (Summer)</b>	
AHXR 181 .....	1
AHXR 195C .....	9
<b>Total .....</b>	<b>10</b>

<b>Fourth Semester (Fall)</b>	
AHXR 250.....	4
AHXR 295A .....	8
COMX 106 .....	3
<b>Total .....</b>	<b>15</b>

<b>Fifth Semester (Spring)</b>	
AHXR 260 .....	2
AHXR 270 .....	2
AHXR 295B .....	8
<b>Total .....</b>	<b>12</b>