

# Radiologic Technology

## Associate in Applied Science

### Program supervised by:

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Radiologic Technology involves the use of modern equipment to produce optimal images for a radiologist to interpret for the diagnosis and treatment of disease. A radiologic technologist operates x-ray equipment, provides patient care and radiation protection, positions the patient, selects technical factors for radiographic quality, produces and processes radiographs, maintains quality control, and maintains records.

A radiologic technologist may continue their education in areas such as Sonography, Interventional Cardiology, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Mammography, Departmental Administration, Quality Assurance Management, Research, Education, Radiation Therapy, Bone Densitometry, Nuclear Medicine, and Positron Emission Tomography (PET).

BCC's Radiologic Technology program consists of two years of combined academic and clinical education, the equivalent of 21 calendar months. Clinical education is provided in cooperating hospitals.

Upon completion of the academic and clinical competencies required for the program, the graduate is eligible to sit for the examination of the American Registry of Radiologic Technologists for certification and New York State licensure.

**SEQUENCE OF COURSES:** This model is a two-year course schedule for students meeting all program requirements and deciding to pursue full-time study. Schedules will be redesigned for those requiring preparatory courses or those deciding to pursue part-time study.

### FIRST YEAR Credits

#### Fall Semester

BIO 131	Human Biology I .....	4
ENG 110	College Writing I .....	3
RAD 100 <sup>1</sup>	Introduction to Clinical Education.....	4
RAD 101	Image Production & Evaluation I .....	3
RAD 103	Positioning I .....	2
RAD 110	Patient Care.....	1
RAD 115	Radiation Protection I .....	1
		<b>18</b>

#### Spring Semester

BIO 132	Human Biology II .....	4
CST 105	Computer Applications .....	3
PSY 110	General Psychology.....	3
RAD 102w	Image Production and Evaluation II .....	4
RAD 104	Positioning II .....	2
RAD 132	Clinical Education II.....	2
		<b>18</b>

#### Summer I

RAD 133	Summer Clinical Education III .....	4
RAD 214	Sectional Anatomy.....	1
RAD 216	Imaging Modalities.....	1
		<b>6</b>

### SECOND YEAR

#### Fall Semester

RAD 204	Advanced Positioning .....	1
RAD 201	Radiographic Equipment & Maintenance .....	3
RAD 220	Radiologic Pathology .....	2
RAD 230 <sup>1</sup>	Clinical Education IV .....	4
ENG 220	Communicating About Ideas & Values .....	3
RAD 211	Pharmacology for Radiographers .....	1
		<b>14</b>

#### Spring Semester

	Social Science elective .....	3
RAD 225w	Advanced Imaging Procedures .....	3
RAD 232	Clinical Education V .....	3
RAD 245	Radiobiology.....	2
RAD 250	Quality Assurance.....	2
RAD 295	Seminar in Radiography.....	2
		<b>15</b>

The Associate or Science Degree Program in Radiologic Technology at Broome Community College is accredited with the Joint Review Committee on Education in Radiologic Technology (JRCERT); 20 N. Wacker Drive, Suite 2850; Chicago, IL 60606-3182; 312-704-5300; www.jrcert.org

**For important general information regarding Health Science curricula, see pages 11 and 23.**

<sup>1</sup> Two 40 hour weeks of clinical education during January. Successful achievement is a GRADUATION REQUIREMENT.

**GRADUATION REQUIREMENTS: 71 CREDITS**

**Academic Programs**