

# RADIOLOGIC TECHNOLOGY (A.A.S.)

## APC — 0628

This rigorous program of study provides the student with the essential qualifications for obtaining an Associate's degree in Radiologic Technology. Graduates will be eligible to take the American Registry of Radiologic Technologists examination for certification and New York State licensure.

The program prepares Radiologic Technologists to utilize their knowledge of human anatomy, radiographic procedures, and radiation safety to provide quality diagnostic radiographic films, for the purpose of diagnosis and treatment of injury and disease. Radiologic Technologists work in hospitals, clinics, private imaging centers, and medical physician offices.

Students attend lecture and laboratory classes on campus and practical clinical experience in area hospitals.

### PROGRAM LEARNING OUTCOMES

Students will be able to:

- 1) Develop clinical competency in the performance of basic radiologic procedures.
- 2) Demonstrate problem-solving and critical thinking skills.
- 3) Cultivate and promote good communication skills, with patients, staff, and others.
- 4) Establish a role as a medical imaging professional. Develop moral, ethical, and legal principles of professionalism.

#### FIRST YEAR

RAD 101 Introduction to Radiologic Technology .. 2	RAD 102 Patient Care I..... 2
RAD 110 Radiographic Procedures I ..... 3	RAD 111 Radiograph Procedures II..... 3
RAD 120 Clinical Experience I ..... 4	RAD 121 Clinical Experience II ..... 4
RAD 130 Radiographic Physics I ..... 3	RAD 131 Radiographic Physics II ..... 3
BIO 181 Anatomy and Physiology I..... 4	BIO 182 Anatomy & Physiology II ..... 4
16	16

#### SUMMER

RAD 122 Clinical Experience III ..... 7

#### SECOND YEAR

RAD 202 Patient Care II..... 2	RAD 211 Advanced Radiographic Procedures II .. 2
RAD 210 Advanced Radiographic Procedures I .. 2	RAD 212 Sectional Anatomy..... 1
RAD 220 Clinical Experience IV..... 6	RAD 221 Clinical Experience V ..... 6
RAD 231 Quality Management..... 2	RAD 230 Radiologic Health..... 3
ENG 103 English I..... 3	SOC 125 Behavioral Statistics ..... 3
PSY 101 Introduction to Psychology ..... 3	ENG 104 English II..... 3
18	18

1. Prerequisites: High School Algebra and Intermediate level Algebra, High School Biology and either High School Chemistry or High School Physics with Lab or equivalent. A grade of "B-" required for all pre-requisite courses.

2. A medical examination is required annually. All students must meet the physical and emotional requirements as stated on the health form. All students must be certified in American Heart Association adult and pediatric cardiopulmonary resuscitation (CPR) prior to admission to the program.

3. To qualify for the next sequential radiology course, the student must earn a grade of "C" or higher in radiology courses, pass the clinical portion, and earn a grade of "C" or higher in BIO 181 and BIO 182.

4. **Upon admission or readmission to the Radiologic Technology program, prior FM credit or transfer credit will not be granted for college level Anatomy and Physiology I and II if the courses were taken more than seven years ago.**

5. Some courses meet at clinical hospital sites.

A minimum of 75 credits are required to complete this program, which must include 20 credits of Liberal Arts and Sciences.