

# Health Studies: Radiologic Technology

## Associate in Applied Science Degree

This program provides students with the knowledge and skills necessary to perform radiologic technologist services. The radiologic technologist is a health professional who administers ionizing radiation (X-rays) to produce images for diagnostic, therapeutic and research purposes. The radiologic technologist operates imaging equipment, provides patient care and radiation protection, positions the patients for examination, selects technical factors for image acquisition, and maintains quality control and patient records. The radiologic technologist is in demand in hospitals, physicians' offices, clinics, government, education, industry, and research.

Graduates of the AAS Health Studies: Radiologic Technology program are eligible to sit for the examination of the American Registry of Radiologic Technologists for certification and New York State licensure. Passing the credentialing exam is necessary to receive a license to practice as an entry-level radiologic technologist in New York State.

Graduates may continue their education in areas such as sonography, nuclear medicine, cardiovascular interventional services, computed tomography (CT), magnetic resonance imaging (MRI), mammography, quality assurance management, research, education, radiation therapy, bone densitometry, and positron emission tomography (PET).

The Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182; Phone 312-704-5300. The JRCERT is recognized by the United States Department of Education as the national accreditation agency of programs for radiologic technology.

### Total Credit Hours: 72

#### First Semester

CF100 College Foundations Seminar	1.0
BI216 Human Anatomy & Physiology 1	4.0
MA110 Elementary Statistics	3.0
RT100 Patient Care I / Ethics	1.0
RT101 Fundamentals of Radiology	2.0
RT102 Radiographic Procedures / Pathology I	3.0
RT103 Clinical Education Fundamentals	3.0

#### Second Semester

BI217 Human Anatomy & Physiology 2	4.0
RT104 Patient Care II / Pharmacology & IV Therapy	1.0
RT105 Image Production & Evaluation II	2.0
RT106 Radiographic Procedures / Pathology II	3.0
RT107 Clinical Education Intermediate I	5.0

#### Third Semester

RT108 Clinical Education Intermediate II	8.0
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#### Fourth Semester

EN101 English 1: Composition	3.0
PY101 Introduction to General Psychology	3.0
RT109 Radiation Biology I	2.0
RT200 Advanced Procedures / Sectional Anatomy	1.0
RT201 Image Production & Evaluation II	2.0
RT202 Clinical Education Advanced	6.0

#### Fifth Semester

EN102 English 2: Ideas and Values in Literature	3.0
RT203 Radiographic Physics	2.0
RT204 Radiation Biology II	2.0
RT205 Advanced Imaging Procedures / Pathology	1.0
RT207 Clinical Education Mastery	7.0

Admission to this program is conditional upon meeting medically required clearance of the Allied Health essential functions.

- An interview is required for admission; please contact the Health Professions Department.
- Students are required to meet the prerequisites prior to taking the first Radiologic Technology (RT) course. Students must have a GPA of 2.80 or greater in order to be considered for admission into the Radiologic Technology program. Students who deviate from the objectives of the Health Studies: Radiologic Technology program as outlined in the Program Student Policy Handbook and Program Clinical Policy Handbook will be dismissed from the Health Studies: Radiologic Technology program and ineligible to return to the program.
- A minimum RT didactic grade of 80 or better is required, a minimum RT clinical freshman grade of 80, and a minimum RT clinical senior

grade of 85 are required to remain in the Radiologic Technology program. If the student receives less than a "B" grade in the RT courses they will be dismissed from the program. Any student who has been unsuccessful in one radiology course with a grade of "C," "D," "F," or "W" will be dismissed and are not eligible to reapply to the radiology program at MVCC. This does not include applicants who had a break in sequence due to medical leave. A minimum grade of "C," 70 or higher, is required in all other non-Radiologic Technology courses.

- Students who are unsuccessful in Anatomy & Physiology 1 and 2 (BI216 and BI217) while in the radiology program will be dismissed from the radiology program and are not eligible to reapply to the radiology program.
- Clinical assignments may include rotations that require travel within and outside the Utica/Rome area. A driver's license is required. Students must provide their own transportation to and from assigned healthcare agencies for clinical.
- Professional liability and accident insurance, available through the College, is required and payable at registration.
- Students are required to purchase a photo ID to be worn at all times during clinical.
- Students must follow the uniform code requirement outlined in the Clinical Policy Handbook. Identified items (nametag, photo ID, uniform, hemostat, bandage scissors, and radiation monitor badge) are required for clinical sessions.
- Credit by Examination and/or Credit for Experiential Learning are not options for students who have been unsuccessful in any RT or Human Anatomy & Physiology course.
- Students may be subject to criminal background checks and/or blood screening tests at their own cost.
- Upon successful completion of the Health Studies: Radiologic Technology program and additional requirements, students may be eligible to take the American Registry of Radiologic Technologist (ARRT) Certification Examination. Graduation from the Health Studies: Radiologic Technology program does not guarantee success on credentialing exams.
- Students are responsible for fees associated with application for licensure.
- Passing the ARRT credentialing exam is necessary to receive a license to practice as an entry-level radiologic technologist in NYS.
- If an applicant has charges pending or a felony and/or misdemeanor, a license may be delayed or denied by the applicable state licensing board.

### **Prerequisites:**

### **Minimum qualifications:**

High school diploma or its equivalent AND the most recent of the following:

- A current overall college GPA of 2.80 (minimum of 12 or more credits)
- High school average of 85
- Math: An SAT math score of 500 or higher OR an ACT math score of 19 or higher OR an appropriate math placement test score OR a grade of "C" or better in MVCC MA090, MA091, MA110, MA108, MA115, or comparable mathematics course taken within seven years.
- Chemistry: High school chemistry with a lab and a final grade of 75 or higher taken within seven years OR a grade of "C" or better in CH111 and CH112 or CH131 or equivalent taken within seven years.
- Biology: High school biology with a lab and a final grade of 75 or higher taken within seven years OR a grade of "C" or better in an equivalent college biology course with a lab taken within seven years.

**Please note:** If you have successfully completed BI216 or BI217 at MVCC with a grade of "C" or higher or completed an approved

college-level Anatomy & Physiology course taken within seven years at another college, you may be exempt from the Biology and Chemistry requirement for consideration of entry in to the radiology program.

**IMPORTANT NOTE:** Applicants may have no more than one repeat ("D," "F," or "W") in any of the above prerequisite college courses within five years of applying to the Radiology Program.

Applicants who have received a "D", "F", or "W" for any of the following courses at MVCC or at any other college will be ineligible to apply to the radiology program.

- BI216 Human Anatomy & Physiology 1
- BI217 Human Anatomy & Physiology 2
- Any Radiology course

Any student who has been unsuccessful in one radiology course or Human Anatomy & Physiology 1 and 2 will be dropped from the program. Any student who has been unsuccessful at another college/ radiology program will not be eligible for admission to the radiology program.

Prerequisites can be taken at other colleges. Consult the Radiology Program Coordinator or Clinical Coordinator to find out if those classes meet the minimum criteria.

**IMPORTANT NOTE:** Applicants may have no more than one repeat (F, D or W) in any of the above prerequisite college courses within five years of applying to the radiology program.

### **Transfer or Returning Students:**

Transfer application deadline is March 1 for Fall term radiology courses and Oct. 1 for Spring term radiology courses. Transfer applicants are applicants with transfer credit for Radiology Course(s) from another college and must apply, meeting all program and prerequisite criteria, and will be considered on an individual basis.

### **Readmission Applicants:**

Readmission only includes applicants who had a break in sequence due to medical leave. Readmission Application Deadlines: March 1 for Fall term radiology courses and Oct. 1 for Spring term radiology courses. Readmission into the Radiology Program and/or Radiology Course(s) requires approval of the Program Coordinator, and is on a space-available basis.

1. Notify Program Coordinator in writing requesting readmission indicating course and semester for which readmission is sought. Send letters to: Mary Kate LaPaglia, MAE, RT (R) (M), Payne Hall 350A, 1101 Sherman Drive, Utica, NY 13501.
2. Radiology students who were unsuccessful (F, D, or W) in any radiology course must re-apply using the Radiology Program Application.
3. Science credits earned more than seven years prior to the start of the student's first Radiology semester will not satisfy program or prerequisite course requirements.