



RADIOLOGIC TECHNOLOGY • Associate in Science

ACCREDITED BY THE JOINT REVIEW COMMITTEE ON EDUCATION IN RADIOLOGIC TECHNOLOGY/BEDFORD CAMPUS - DAY, STARTS FALL SEMESTER ONLY

✓	COURSE #	COURSE TITLE	CREDITS	PREREQUISITES
_____	RAD 101	Introduction to Radiologic Technology	3	ENG 060 or higher placement
_____	RAD 102	Radiologic Positioning I	3	ENG 060 or higher placement. Corequisite: RAD 103
_____	RAD 103	Clinical Practicum I	3	Corequisite: RAD 102
_____	RAD 104	Radiologic Physics	3	TMA 080
_____	RAD 105	Radiologic Positioning II	3	RAD 102. Corequisite: RAD 107
_____	RAD 106	Principles of Radiographic Quality	3	RAD 101, RAD 103
_____	RAD 107	Clinical Practicum II	3	RAD 103. Corequisite: RAD 105
_____	RAD 108	Clinical Practicum III (Summer)	6	RAD 107
_____	RAD 201	Advanced Radiographic Procedures	3	RAD 106, RAD 105
_____	RAD 202	Fundamentals of Radiobiology	3	RAD 106, RAD 104
_____	RAD 203	Clinical Practicum IV	4	RAD 108
_____	RAD 204	Topics in Radiography	4	RAD 202
_____	RAD 206	Clinical Practicum V	4	RAD 203
_____	TMA 080	Technical Math and Physics	3	
_____	ENG 101	English Composition I	3	C- in ENG 071 or eligible for ENG 101 and placement above or successful completion of ENG 060
_____	ENG 102	English Composition II: An Introduction to Literature	3	ENG 101
_____	BIO 231	Anatomy and Physiology I	4	Placement above 75 in CPT reading test and completion of or current enrollment in ENG 101. Completion of BIO 120 or BIO 131, or high school biology & chemistry within the last 5 years.
_____	BIO 232	Anatomy and Physiology II	4	BIO 231
_____	PSY 101	Introduction to Psychology	3	Eligible for ENG 101 and ENG 060 or higher placement
_____	_____	Social Science Elective or		
_____	_____	Humanities Elective	3	
			68	

Special Requirements for Radiologic Technology: Students must receive a C or better in all courses within the area of specialization as well as BIO 231 and BIO 232 to remain in the program. Additional coursework may be required based on college placement testing. Students are urged to meet with their academic advisor for proper course sequencing. Science courses being applied to this program must have been completed within five years of entering the program. Individuals convicted of a crime may not be eligible to take the ARRT Certification Exam or for Licensure.

Students enrolled in the Radiologic Technology program must demonstrate a satisfactory level of performance in clinical settings in order to remain in the program. See page 169 for additional information.

Program Description:

The Radiologic Technology Associate in Science degree program reflects the combined efforts of educators and health care professionals in preparing students for entry into a professional specialty that is an important part of the health care delivery system. Program graduates are eligible for the national certification examination of the American Registry of Radiologic Technologists, licensing in the state of Massachusetts, and immediate entry into the radiology workforce. Students are provided a background in the technical skills necessary to produce quality radiographs used for diagnosis of disease and injury by radiologists and other physicians. Emphasis is placed on radiation safety principles and procedures, as well as concepts and theory. That knowledge is reinforced and put into practice through clinical experience in an area hospital. Theory is taught in logical sequence, guiding students through patient-centered activities related to producing radiographs. While in the program, students are given an opportunity to investigate other imaging modalities, such as computed tomography, magnetic resonance imaging, diagnostic medical sonography, nuclear medicine and radiation therapy. Many Radiologic Technology graduates continue their education, pursuing additional professional credentials.

Career and Transfer Outlook:

Program graduates, following licensure and registration, are prepared for immediate entry into employment as radiographers in hospitals, clinics, physicians' offices, mobile radiography companies and industrial radiography. With additional training, graduates may seek employment in computer tomography (CT), magnetic resonance imaging (MRI), ultrasonography, special procedure radiography, radiation therapy and management. Students may transfer many of their credits to a baccalaureate program, especially the general education courses.

Helpful Hints:

Most successful students will also have completed college-level coursework, especially English Composition I (ENG 101), and Anatomy & Physiology I (BIO 231), which may be taken concurrently.

Program Outcomes:

Graduates of the Radiologic Technology program are prepared to:

- Perform entry-level radiographer positions;
- Demonstrate the importance of professional development and life-long learning;
- Demonstrate effective written and oral communication skills;
- Demonstrate effective problem-solving and critical-thinking techniques.

Continued on next page



Note: In order for a student to be eligible to participate in an academic, community or clinical program that involves potential unsupervised contact with children, the disabled, or the elderly, the student may be required to undergo a Criminal Offender Record Information (CORI) check and/or a Sex Offender Registry Information (SORI) check. See page 151 for details.

Requirements After Admission

- Submit the Student Health Record form, provided by Middlesex Community College, to the Health Service Office. Required documentation of health status includes a completed physical examination, proof of immunization against measles, mumps, rubella, tetanus-diphtheria and Hepatitis B (three-dose vaccine series). Documentation of immune titer for varicella is also required.
- Earn and submit current certification in CPR at the Health Care Provider level which is valid for the entire academic year and renewed annually.

Standard/Technical Skills Notice:

To view a list of standard and/or technical skills required for performing duties in various health career fields, visit the Middlesex Community College Health Division website (www.middlesex.mass.edu) or the Student Information Centers. These skills are not conditions for admission to MCC programs, but do indicate abilities and characteristics necessary for successful completion of college Health programs, and to perform the duties of the career upon graduation.

RADIOLOGIC TECHNOLOGY • Associate in Science (cont.)

Admission to Radiologic Technology

Required Course Prerequisites

- High school or college Algebra II

Required Grade

B or higher

Required Testing

- Current scores on the college placement test of ENG 071, MAT 080 and a reading score of 68. Testing must be completed before the admission deadline.

Required Documents

- Radiologic Technology Admission Requirements Certification Form
- Radiology Technology Supplemental Admission Application
- Admission Application
- Radiologic Technology Final Observation Report, documenting four hours observation in a radiology department

Admission Notes

- Currently enrolled MCC students applying to Radiologic Technology are required to have at least a cumulative 2.0 GPA.
- The Admission Committee may consider other factors such as academic history and give preference to Massachusetts residents.
- Non-Massachusetts residents will be admitted on a space-available basis only.

Deadline

- Priority consideration is given to complete applications, which include all requirements, submitted by December 7. Applications received after this date will be considered on a space-available basis.