Radiologic Technology

Associate of Applied Science Degree

NOTE: This program is in moratorium and will not be accepting new students.

Radiologic Technologists, also referred to as Radiographers, work in a professional environment at a hospital, private office, or clinic. Radiologic Technologists are trained to perform radiologic examinations in accordance with radiation safety standards for themselves, clinical staff, and their patients. Skill sets include: patient care, positioning, operating X-ray equipment, image quality assessment, exposure parameters, and interacting with the general public, ancillary workers, healthcare workers, and physicians.

The Radiologic Technology student learns how to accurately demonstrate body structures by determining proper exposure factors, manipulating medical imaging equipment, evaluating the radiographic image quality, and providing for patient protection, safety, and comfort during radiographic procedures. Some technologists choose to specialize in computed tomography, magnetic resonance imaging, mammography, ultrasound, nuclear medicine, positron emission tomography, or radiation therapy. Some of these modalities require additional certification. The student will be introduced to these specialty areas. Radiologic Technology is an expanding field in the area of medical diagnosis and treatment. Imaging methods and procedures are updated and implemented on a regular basis.

The Radiologic Technology Program is a two-year program designed to prepare individuals with the knowledge, skills, and professional attitude necessary for successful employment as a Radiologic Technologist.

Accreditation for the Radiologic Technology Program is through Northwest Commission on Colleges and Universities coursework. This regional accrediting agency is the organization that accredits Great Falls College MSU. After completion of the program, the graduate is eligible to take a nationally recognized certification examination administered by the American Registry of Radiologic Technologists (ARRT).

The Great Falls College MSU Radiologic Technology Program is a limited enrollment program, accepting a restricted number of students each year. Interested students are urged to contact the Admissions Office, Program Director, or the Advising & Career Center Advisors for student advising specific to program admission requirements and criteria for program acceptance.

Outcomes

Graduates are prepared to:

- Employ professional judgment, problem solving, and critical thinking to identify, assess, and analyze the situation, providing quality patient care in a safe and ethical manner.
- Demonstrate effective interpersonal skills through verbal and written communication.
- Practice within the standards established by the profession.
- Demonstrate appropriate cultural, legal, ethical, and professional values.
- Practice as a qualified registered technologist in any type of patient care facility.

Estimated Cost

Estimated Resident Program Cost*

Tuition and Fees	$8,852
Application Fee	$30
Insurance	$30
Lab/Course Fees	$35
Books/Supplies	$1,167
Total	$10,114

* **Fall 2017 MUS Student Health Insurance Premiums will be changing. Please check the Health Insurance website** (http://students.gfcmsu.edu/insurance.html) **and/or Student Central for confirmed premium rates. Students will be charged an additional fee of $21 per credit for online/hybrid courses.**

Program Requirements

Many students need preliminary math, biology, and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

GFC MSU Additional Graduation Requirement

Course	Title	Credits	Grade/Sem
COLS 103	Becoming a Successful Student +	1	_____

Prerequisite Courses

Computer skills, Anatomy and Physiology I & II, and Chemistry are highly recommended.

Course	Title	Credits	Grade/Sem
AHMS 142	Intro to Medical Terminology +	1	_____
BIOH 104	Basic Human Biology & Lab **,+	4	_____
COMX 115	Intro to Interpersonal Communc +	3	_____
M 121	College Algebra (OR higher) **,+	3	_____
WRIT 101	College Writing I **,+	3	_____
Subtotal		14	_____

Program Course Requirements After Formal Acceptance

The courses below are to be taken in the order that they are listed.

Admission into the Radiologic Technology program is mandatory to qualify to take the courses below.

Course	Title	Credits	Grade/Sem
First Year			
Fall			
AHXR 105	Intro to Radiologic Technology *,+	2	_____
AHXR 130	Positioning/Procedures I *,+	2	_____
AHXR 132	Elements of Imaging I *,+	3	_____
AHXR 225	Radiobiology/Radiation Protctn *,+	3	_____
AHXR 195A	Radiographic Clinical: I *,+	7	_____
	Credits	**17**	
Spring			
AHXR 131	Radiographic Position/Prcdr II *,+	3	_____
AHXR 133	Elements of Imaging II *,+	3	_____
AHXR 101	Patient Care in Radiology *,+	2	_____
AHXR 195B	Radiographic Clinical: II *,+	8	_____
	Credits	**16**	
Summer			
AHXR 298	Radiographic Internship *,+	8	_____
	Credits	**8**	
Second Year			
Fall			
AHXR 230	Positioning/Procedures III *,+	4	_____
AHXR 233	Elements of Imaging III *,+	2	_____
AHXR 295A	Radiographic Clinical: III *,+	8	_____
	Credits	**14**	
Spring			
AHXR 231	Radiographic Position/Prcdr IV *,+	2	_____
AHXR 295B	Radiographic Clinical: IV *,+	10	_____
AHXR 270	Radiographic Registry Review *,+	2	_____
	Credits	**14**	
	Total Credits	**69**	

Total Program Credits: 82-83

* Indicates prerequisites needed.

** Placement in course(s) is determined by placement assessment.

\+ A grade of C- or above is required for graduation.