

RADIOLOGIC TECHNOLOGY A.A.S.

A Radiologic Technologist (Radiographer) uses critical thinking and independent judgment to obtain diagnostic medical images while providing quality patient care and minimizing radiation exposure. Technologists are employed in acute care settings, ambulatory care settings, physicians offices, in education, and in management or sales positions. With additional education and training, radiographers may be employed in radiation therapy, computed tomography, mammography, magnetic resonance imaging, diagnostic medical ultrasound, nuclear medicine, special vascular imaging, and cardiac catheterization.

The Radiologic Technology program is approved by the American Registry of Radiologic Technologists (ARRT) and accredited by the Northwest Association of Schools and Colleges. When all requirements for the associate of applied science degree are completed, the student will be eligible to take the national certification examination administered by the American Registry of Radiologic Technologists. Upon successful completion of this examination, the student becomes a Registered Radiologic Technologist, R.T. (R) ARRT.

Program Requirements

The Associate of Applied Science in Radiologic Technology requires students to successfully complete the Pre-Radiology prerequisite courses prior to applying to the program. Students admitted to the University of Montana may enroll in the Pre-Radiology prerequisite courses. Once accepted into the program, students will complete the A.A.S. in 16 months, graduating at the end of the second fall semester.

Students must pass BIOH 201N with a minimum grade of B and have a minimum cumulative GPA of 2.75 in all course work, including prerequisite courses, to apply to the Radiologic Technology program. A course may be attempted a maximum of two times. As some courses are offered autumn or spring semester only, it is important to obtain advising with the Program Director or Clinical Coordinator each semester prior to registration.

Application to the program is required spring semester in the year prior to the autumn semester program start. Students may apply while enrolled in the Pre-Radiology prerequisite courses with acceptance to the program to be determined after spring grades are finalized. Students who apply twice to the program and are not accepted are strongly encouraged to contact Career Services (<http://www.umt.edu/career/>) for counseling toward another degree.

The program classes begin autumn semester each year with the majority of classroom courses completed in the first two semesters. Clinical education will begin at the end of the first semester. A twelve-week summer session between the first and second years includes clinical rotations of 400 hours (40 hours/week for 10 weeks). The autumn semester of the second year also requires 400 hours of clinical instruction.

Students entering the program are required to rotate to clinical sites outside the Missoula area on a periodic basis. These rotations will take place during any term or session beginning the spring semester of the program. These sites may include, but are not limited to, Ronan,

Hamilton, Plains, and Polson, Montana. Transportation and housing are the student's responsibility.

GENERAL ASSOCIATE OF APPLIED SCIENCE REQUIREMENTS

Additional requirements for graduation can be found on the Degree/Certificate Requirements for Graduation page (<https://catalog.umt.edu/academics/graduation-requirements/>).

Unless otherwise noted in individual program requirements, a minimum grade point average of 2.00 in all work attempted at the University of Montana-Missoula is required for graduation. Please see the Academic Policies and Procedures page (<https://catalog.umt.edu/academics/policies-procedures/>) for information on how your GPA is calculated.

Courses taken to satisfy the requirements of a major, minor, or certificate program must be completed with a grade of C- or better unless a higher grade is noted in the program requirements.

ASSOCIATE OF APPLIED SCIENCE - RADIOLOGIC TECHNOLOGY

- Students must complete the pre-requisite core before applying to the Radiologic Technology Program or be in the process of completing the pre-requisite core during the Spring Semester. Applications are due on or around April 1st.
- BIOH 201N must be passed with a minimum grade of B.
- All AHXR courses must be passed with a minimum grade of B.
- Students must have a minimum GPA of 2.75 in all course work including prerequisite courses to apply to the Radiologic Technology program.

Course Requirements

Code	Title	Hours
Prerequisite Courses ¹		
Complete all of the following courses:		
AHMS 144	Medical Terminology	3
BIOH 201N	Human Anatomy & Physiology I	4
BIOH 211N	Human Anatomy and Physiology II	4
M 115 or M 121	Probability and Linear Mathematics College Algebra	3
PHSX 105N or CHMY 121N	Fundamentals of Physical Science Introduction to General Chemistry	3
WRIT 101 or WRIT 121	College Writing I Introduction to Technical Writing	3
Pre- or Co-requisite Courses ²		
Complete all of the following courses:		
AHMS 270E	Medical Ethics	3
COMX 115S or PSYX 100S	Introduction to Interpersonal Communications Intro to Psychology	3
Radiologic Technology Courses		
Complete all of the following courses:		
AHXR 101	Patient Care in Radiology	2
AHXR 121	Radiographic Imaging I	4

2 Radiologic Technology A.A.S.

AHXR 140	Radiographic Methods	4
AHXR 141	Radiology Lab	1
AHXR 160	Radiographic Methods II	3
AHXR 161	Radiographic Methods II Lab	1
AHXR 195	Radiographic Clinical: I (taken Autumn Semester first year at 1 credit and Spring Semester at 4 credits)	5
AHXR 221	Radiographic Imaging II	2
AHXR 225	Radiobiology/Radiation Protctn	2
AHXR 270	Radiographic Registry Review	2
AHXR 295	Radiographic Clinical (taken Summer Semester at 12 credits and Autumn Semester second year at 10 credits.)	22
Total Hours		74

1

The prerequisite courses are taken before applying to the Radiologic Technology program. Along with BIOH 201N, students must register for the BIOH 202N lab section. These must be passed with a minimum grade of B. Students must also have a minimum cumulative GPA of 2.75 in all course work including prerequisite courses to apply to the Radiologic Technology program.

2

The pre- or co-requisite courses can be taken either before applying or after being accepted into the program through the application process.