

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.umd.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.

Associate of Applied Science - Radiologic Technology

Summary

Code	Title	Hours
Prerequisite Courses		20
Pre- or Co-requisite Courses		6
Radiologic Technology Courses		48
Total Hours		74

Degree Specific Credits: 74

Required Cumulative GPA: 2.0

Note: 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.

Prerequisite Courses

Note: These 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.

Code	Title	Hours
Complete all of the following courses:		
AHMS 144	Medical Terminology	3
BIOH 201N	Human Anatomy & Physiology I (minimum grade of 'B')	4
BIOH 211N	Human Anatomy and Physiology II (minimum grade of 'C')	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
Total Hours		20

Minimum Required Grade: C-

Pre- or Co-requisite Courses

Note: These courses can be taken either before applying or after being accepted into the program through the application process.

Code	Title	Hours
Complete all of the following courses:		
AHMS 270E	Medical Ethics	3

COMX 115S	Introduction to Interpersonal Communication	3
or PSYX 100S	Intro to Psychology	
Total Hours		6

Minimum Required Grade: C-

Radiologic Technology Courses

Note: These courses cannot be taken unless accepted into the program through the application process.

- AHXR 195 is taken Autumn Semester first year at 1 credit and Spring Semester at 4 credits.
- AHXR 295 is taken Summer Semester at 12 credits and Autumn Semester second year at 10 credits.
- For AHXR courses the minimum grade is a B.

Code	Title	Hours
Complete all of the following courses:		
AHXR 101	Patient Care in Radiology	2
AHXR 121	Radiographic Imaging I	4
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	5
AHXR 221	Radiographic Imaging II	2
AHXR 225	Radiobiology/Radiation Protctn	2
AHXR 270	Radiographic Registry Review	2
AHXR 295	Radiographic Clinical	22
Total Hours		48

Minimum Required Grade: B