

### Contacts

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### Overview

A Radiologic Technologist (Radiographer) uses critical thinking to obtain diagnostic medical images while providing quality patient care and minimizing radiation exposure. Technologists are employed in acute care settings, physicians' offices, education and management.

The Radiologic Technology program is approved by the American Registry of Radiologic Technologists (ARRT), and when all requirements for the Associate of Applied Science (AAS) degree are completed, the student will be eligible to take the national certification examination. Upon successful completion of this exam, the student becomes a Registered Radiologic Technologist, R.T. (R) ARRT. Additional education and training leads to careers in radiation therapy, computed tomography (CT), mammography, magnetic resonance imaging (MRI), ultrasound, nuclear medicine, and vascular and cardiac imaging.

### Program Requirements & Application Process

Applying to the program requires successful completion of the prerequisite courses. **Students must pass BIOH 201N and BIOH 202N with a minimum grade of 'B' and have a minimum cumulative GPA of 2.75 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 each semester prior to registration.

Program applications are submitted on-line each Spring (late April deadline) prior to the Autumn semester program start. Students may apply while enrolled in the prerequisite courses, and decisions about interviewing candidates are made after grades are posted in early May. Admission is competitive, and students are **strongly encouraged to gain some healthcare experience as a CNA, EMT, Phlebotomist, etc.** before applying. This experience is rewarded in the application process.

Once accepted into the Program, students will complete the AAS Degree in 16 months, graduating at the end of the second Fall semester. The majority of classroom (didactic) courses are completed in the first two semesters. ***The Program offers separate enrollment tracks for students willing & able to spend April - November at health facilities in either Great Falls or Bozeman.*** Inquire for details.

### The Clinical Experience & Professionalism

Clinical education begins at the end of the first semester with a limited rotation. After Spring Break, however, students begin their intensive clinical training in health facilities, with 30-40 hours/week spent in western Montana hospitals and clinics. Students are also required to rotate to clinical sites outside the Missoula area, including Ronan, Hamilton, Plains, Ronan, and Polson, Montana. Transportation and housing are the student's responsibility. ***Given the complexity of scheduling meaningful student rotations, using a limited number of facilities, it is impossible to work around outside jobs unless employers are very flexible.***

**Because students are placed in facilities for direct patient care experiences, our expectations for professionalism are extremely high!** Punctuality, appearance, demonstrating empathy, and using appropriate communication and behavior are critical to success, and feature prominently in student assessment and grading.

While working on prerequisite courses, students declare a Pre-Radiologic Tech major. Radiologic Technology program applications are accepted on-line every April for autumn semester admission. Applicants can apply while in their final semester of completing prerequisite courses. **Program Prerequisites:**

- ▶ All courses are required. A minimum grade of 'C-' is required with one exception -- BIOH 201N-BIOH 202N requires a minimum grade of 'B'.
- ▶ A minimum cumulative GPA of 2.75 is required for eligibility to formally apply to the program.

	<b>20 Credits</b>	<b>Semester/Year</b>	<b>Grade</b>
AHMS 144 - Medical Terminology	3 Credits	_____	_____
BIOH 201N - Human Anat Phys I with BIOH 202N - Human Anat and Phys I Lab	4 Credits	_____	_____
BIOH 211N - Human Anat Phys II with BIOH 212N - Human Anat Phys II Lab	4 Credits	_____	_____
M 115 - Probability and Linear Math <b>OR</b> M 121 – College Algebra	3 Credits	_____	_____
SCN 175N - Integrated Physical Science I <b>OR</b> CHMY 121N – Intro to General Chem.	3 Credits	_____	_____
WRIT 101 – College Writing	3 Credits	_____	_____
<b>Pre or Co-requisites (taken before or during Program): 6 Credits</b>			
AHMS 270E - Medical Ethics	3 Credits	_____	_____
COMX 115S - Interpersonal Communication <b>OR</b> PSYX 100S – Intro to Psychology	3 Credits	_____	_____

- ▶ All program courses are required. A minimum grade of 'B' is required for all "AHXR" courses.
- ▶ AHXR 195: taken 1<sup>st</sup> year Autumn term at 1 credit, Spring term at 4 credits, and Summer at 12 credits = 17 credits.
- ▶ AHXR 295 is taken 2<sup>nd</sup> year Autumn term at 10 credits.

**Program Courses:**

<b>Fall Semester Program Year 1</b>	<b>12 Credits Total</b>
AHXR 101 – Patient Care	2 Credits
AHXR 121 - Radiographic Imaging I	4 Credits
AHXR 140 - Radiologic Methods I	4 Credits
AHXR 141- Radiologic Methods I Lab	1 Credit
AHXR 195 - Radiographic Clinical I	1 Credit
<b>Spring Semester Program Year I</b>	<b>12 Credits Total</b>
AHXR 160 - Radiologic Methods II	3 Credits
AHXR 161- Radiologic Methods II Lab	1 Credit
AHXR 195 - Radiographic Clinical: I	4 Credits
AHXR 221 - Radiographic Imaging II	2 Credits
AHXR 225 - Radiobiology/Radiation Protection	2 Credits
<b>Summer Session (12 weeks)</b>	<b>12 Credits Total</b>
AHXR 195 - Radiographic Clinical: II	12 Credits
<b>Fall Semester Program Year II</b>	<b>12 Credits Total</b>
AHXR 270 - Radiographic Registry Review	2 Credits
AHXR 295 - Radiographic Clinical III	10 Credits

<b>SUMMARY</b>	<b>Total Program Courses: 48 Credits</b>
	<b>Pre- and Co-requisites: 26 Credits</b>
	<b>Total A.A.S. Degree 74 Credits</b>