

# RADIOLOGIC TECHNOLOGY A.A.S.

Anne Delaney, Director

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 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 degree 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.

**Students must pass BIOH 201N-202N 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 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 second semester. A ten-week summer clinical rotation is required between the first and second years and consists of 40 hour per week of clinical instruction. The Autumn semester of the second year will also be dedicated to 40 hours per week 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 Summer semester of the program. These sites may include, but are not limited to, Ronan, Hamilton, Plains, Ronan, and Polson, Montana. Transportation and housing are the student's responsibility.

## Associate of Applied Science - Radiologic Technology

### Missoula College

Degree Specific Credits: 83

Required Cumulative GPA: 2.0

### Catalog Year: 2017-2018

**Note:** It is preferred that students have the prerequisite core completed by the end of the semester in which they intend to apply to the program (i.e. applying to the program in the spring and completing the core by the end of that spring semester.) Students must also prove competence with computer technology prior to application to the Radiology Technology Program in one of the following three ways:

1. Acceptable transfer credit for CAPP 120,
2. Passing challenge exam for CAPP 120, or
3. Take and pass CAPP 120

## Summary

Radiologic Technology Prerequisite Courses	13
Math Requirement	3
Writing Requirement	3
Radiologic Technology Courses	68
Total Hours	87

## Radiologic Technology Prerequisite Courses

**Rule:** All courses required

**Note:** Students must pass BIOH 201N/BIOH 202N 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.

AHMS 144	Medical Terminology	3
BIOH 201N	Human Anat Phys I (equiv 301) (minimum grade of 'B')	4
CAPP 120	Introduction to Computers	3
SCN 175N	Integrated Physical Science I	3
Total Hours		13

Minimum Required Grade: C-

### Math Requirement

**Rule:** Take either

M 115	Probability and Linear Mathematics	3
or M 121	College Algebra	
Total Hours		3

Minimum Required Grade: C-

### Writing Requirement

**Rule:** Take either

WRIT 101	College Writing I	3
or WRIT 121	Intro to Technical Writing	
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Total Hours		3

Minimum Required Grade: C-

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## Radiologic Technology Courses

**Rule:** All courses required

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

- AHXR 195 is taken Spring Semester at 2 credits and Summer at 12 credits.
- AHXR 295 is taken Autumn Semester at 12 credits and second year Spring at 8 credits.
- For AHXR courses the minimum grade is a B.

AHMS 270E	Medical Ethics	3
AHXR 100	Intro to Diagnostic Imaging	3
AHXR 121	Radiographic Imaging I	4
AHXR 140	Radiographic Methods	3
AHXR 141	Radiology Lab	1
AHXR 221	Radiographic Imaging II	3
AHXR 195	Radiographic Clinical: I	14
AHXR 225	Radiobiology/Radiation Protctn	2
AHXR 240	Radiological Methods II	2
AHXR 241	Radiology Lab II	1
AHXR 270	Radiographic Registry Review	2
AHXR 295	Radiographic Clinical: I	20
BIOH 211N	Human Anat Phys II (equiv 311)	4
COMX 115S	Introduction to Interpersonal Communications	3
PSYX 100S	Intro to Psychology	3
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Total Hours		68

Minimum Required Grade: C-