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 and 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. 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: 87

Required Cumulative GPA: 2.0

Catalog Year: 2018-2019

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 applications prior to applying to the Radiologic 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. Taking and passing CAPP 120

Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prerequisite Courses</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Pre- or Co-requisite Courses</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Radiologic Technology Courses</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>87</td>
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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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AHMS 144</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BIOH 201N</td>
<td>Human Anat Phys I (equiv 301) (minimum grade of 'B')</td>
<td>4</td>
</tr>
<tr>
<td>CAPP 120</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>M 115</td>
<td>Probability and Linear Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>or M 121</td>
<td>College Algebra</td>
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<tr>
<td>SCN 175N</td>
<td>Integrated Physical Science I</td>
<td>3</td>
</tr>
<tr>
<td>WRIT 101</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>or WRIT 121</td>
<td>Intro to Technical Writing</td>
<td></td>
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<td></td>
<td>Total Hours</td>
<td>19</td>
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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. Along
with BIOH 211N, students must register for the BIOH 212N lab section. These must be passed with a minimum grade of ‘B’.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AHMS 270E</td>
<td>Medical Ethics</td>
<td>3</td>
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<tr>
<td>BIOH 211N</td>
<td>Human Anat Phys II (equiv 311) (minimum grade of ‘B’)</td>
<td>4</td>
</tr>
<tr>
<td>COMX 115S</td>
<td>Introduction to Interpersonal Communications</td>
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Total Hours 10

**Radiologic Technology Courses**

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AHXR 100</td>
<td>Intro to Diagnostic Imaging</td>
<td>2</td>
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<tr>
<td>AHXR 101</td>
<td>Patient Care in Radiology</td>
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<td>AHXR 121</td>
<td>Radiographic Imaging I</td>
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<td>AHXR 140</td>
<td>Radiographic Methods</td>
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<td>AHXR 141</td>
<td>Radiology Lab</td>
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<td>AHXR 160</td>
<td>Radiographic Methods II</td>
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<td>AHXR 161</td>
<td>Radiographic Methods II Lab</td>
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<td>AHXR 195</td>
<td>Radiographic Clinical: I</td>
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<td>AHXR 221</td>
<td>Radiographic Imaging II</td>
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<td>AHXR 225</td>
<td>Radiobiology/Radiation Protctn</td>
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<tr>
<td>AHXR 240</td>
<td>Pathology and Image Analysis</td>
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<td>AHXR 270</td>
<td>Radiographic Registry Review</td>
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<tr>
<td>AHXR 295</td>
<td>Radiographic Clinical: II</td>
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Total Hours 58

Minimum Required Grade: B