Medical Radiography, AAS

Program Description
This is a two-year, full-time program that prepares students to enter the health care profession as a competent entry-level radiographer. Professional competence is achieved through a blend of theoretical and practical coursework which includes didactic and clinical experience at cooperating hospitals, clinics, and doctors’ offices.

Licensure
The program is competency based and follows the American Society of Radiologic Technologists Curriculum Guide. Graduates are eligible to apply to take the American Registry of Radiologic Technologists certification. All students who have passed the national examination may apply for licensure for the State of Utah through the Division of Occupational and Professional Licensing.

Accreditation
The DSU Medical Radiography Program is accredited through the Joint Review Committee on Education in Radiologic Technology (JRCERT), the national accrediting agency for radiography programs which assures that programs follow standards to maintain academic excellence. JRCERT may be contacted at:

Joint Review Committee on Education in Radiologic Technology
20 North Wacker Drive, Suite 2850
Chicago IL 60606-3182
Phone: 312-704-5300
Email: mail@jcert.org
www.jrcert.org

Admission Requirements
To be considered for admission to the Medical Radiography program, an applicant must first be accepted as a Dixie State University student. The applicant must also complete a separate application to the Medical Radiography program. Admission to the program is competitive and based on a point system. Applicants will be evaluated on their academic achievement including overall GPA, prerequisite course grades and work experience or volunteer hours in a healthcare setting that has direct contact with patients. The top 20-25 highest-scoring applicants will be selected for interviews, which will be conducted by the Medical Radiography Selection Committee. Of the applicants interviewed, the top twelve to fourteen highest-scoring students will be selected for admission into the Medical Radiography program with up to five additional students to be selected as alternates. The number of students selected is dependent on the number of clinical spots available. The deadline for applications is on the department website. Incomplete applications will not be reviewed or considered for admission. Applications and further information are available on the website (https://health.dixie.edu/radiography/program-admissions/) (following this link will take you out of the University Catalog).

Required for Admission:
Complete applications must include official transcripts listing final grades in the following courses: BIOL 2320 and BIOL 2325; BIOL 2420 and BIOL 2425; ENGL 1010 and ENGL 2010; MATH 1030, 1040 or 1050; PSY 1010 or PSY 1100; RADT 1010; and either COMM 1020 or COMM 2110. Science courses must be taken within the past seven years (BIOL 2320/25 and BIOL 2420/25).

A crucial element for student success in a rigorous Medical Radiography program is the capability of academic achievement. A student’s history of academic performance is indicative of future academic achievement. The eligibility requirement for admission into the Dixie State University Medical Radiography Program is a cumulative GPA of 2.7 for all Medical Radiography prerequisite courses. Prerequisite and support courses for the program provide students with a solid foundation of knowledge and are essential for success in the program. All required prerequisite courses must be completed with at least a “C” grade or higher prior to submission of application.

Program Curriculum
86 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Requirements</td>
<td>Introduction to Writing (EN)</td>
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Note: ENGL 1010 (catalog.dixie.edu/search/?P=ENGL%201010/)
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 1010D</td>
<td>Introduction to Writing (EN)</td>
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<td>ENGL 2010</td>
<td>Interim Writing Selected Topics: (EN)</td>
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<tr>
<td>MATH 1040</td>
<td>Introduction to Statistics (MA) (preferred)</td>
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<tr>
<td>or MATH 1030</td>
<td>Quantitative Reasoning (MA)</td>
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<td>or MATH 1050</td>
<td>College Algebra / Pre-Calculus (MA)</td>
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<td>PSY 1010</td>
<td>General Psychology (SS, GC)</td>
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<tr>
<td>or PSY 1100</td>
<td>Human Development Through Lifespan (SS, GC)</td>
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**Program Prerequisites**

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 2320</td>
<td>Human Anatomy</td>
<td>5</td>
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<tr>
<td>&amp; BIOL 2325</td>
<td>Human Anatomy Lab</td>
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<tr>
<td>BIOL 2420</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 2425</td>
<td>Human Physiology Lab</td>
<td></td>
</tr>
<tr>
<td>COMM 1020</td>
<td>Public Speaking</td>
<td>3</td>
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<tr>
<td>or COMM 2110</td>
<td>Interpersonal Communication (SS, GC)</td>
<td></td>
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<tr>
<td>RADT 1010</td>
<td>Intro to Radiography</td>
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**Core Discipline Requirements**

(Admission to DSU Medical Radiography AAS program required)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Semester I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADT 1020</td>
<td>Radiographic Procedures I</td>
<td>5</td>
</tr>
<tr>
<td>RADT 1030</td>
<td>Radiographic Imaging I</td>
<td>3</td>
</tr>
<tr>
<td>RADT 1040</td>
<td>Clinical Education I (ALPP)</td>
<td>4</td>
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<tr>
<td>RADT 1050</td>
<td>Patient Care</td>
<td>2</td>
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<tr>
<td>Semester II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADT 1120</td>
<td>Radiographic Procedures II</td>
<td>4</td>
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<tr>
<td>RADT 1140</td>
<td>Clinical Education II (ALPP)</td>
<td>5</td>
</tr>
<tr>
<td>RADT 1230</td>
<td>Radiographic Imaging II</td>
<td>2</td>
</tr>
<tr>
<td>RADT 1250</td>
<td>Advanced Patient Care</td>
<td>2</td>
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<tr>
<td>Semester III (Summer)</td>
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<tr>
<td>RADT 1240</td>
<td>Clinical Education III (ALPP)</td>
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Semester IV

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>RADT 2030</td>
<td>Radiographic Physics</td>
<td>3</td>
</tr>
<tr>
<td>RADT 2040</td>
<td>Clinical Education IV (ALPP)</td>
<td>7</td>
</tr>
<tr>
<td>RADT 3020</td>
<td>Advanced Medical Imaging</td>
<td>3</td>
</tr>
<tr>
<td>RADT 3150</td>
<td>Radiobiology and Protection</td>
<td>3</td>
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Semester V

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Hours</th>
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<tbody>
<tr>
<td>RADT 3240</td>
<td>Clinical Education V (ALPP)</td>
<td>7</td>
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<tr>
<td>RADT 3260</td>
<td>Radiography Seminar</td>
<td>3</td>
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</table>

NOTE: Students wishing to use BIOL 2320 and BIOL 2420 to fulfill the General Education Life Sciences requirement must also take BIOL 1300 (Evolution & Ecology).  

Graduation Requirements

1. Complete a minimum of 87 college-level credits (1000 and above).
2. Complete at least 20 lower-division credits at DSU for institutional residency.
3. Cumulative GPA 2.0 or higher.
4. Grade C or higher in each General Education, Program Prerequisite, and Discipline Core Requirements course.

Graduation Plan

1st Year

Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADT 1010</td>
<td>Intro to Radiography</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 2320</td>
<td>Human Anatomy and Human Anatomy Lab</td>
<td>5</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Introduction to Writing (EN) or Introduction to Writing (EN)</td>
<td>3</td>
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<tr>
<td>PSY 1010</td>
<td>General Psychology (SS, GC) or Human Development Through Lifespan (SS, GC)</td>
<td>3</td>
</tr>
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</table>

Hours 2, 5, 3, 3, 3
MATH 1040
(catalog.dixie.edu/search/?P=MATH%201040/)
or MATH 1030
(catalog.dixie.edu/search/?P=MATH%201030/)
or MATH 1050
(catalog.dixie.edu/search/?P=MATH%201050/)
Introduction to Statistics (MA) or Quantitative Reasoning (MA)
or College Algebra / Pre-Calculus (MA)

Spring Semester
BIOL 2420
(catalog.dixie.edu/search/?P=BIOL%202420/)
Human Physiology and Human Physiology Lab
& BIOL 2425
(catalog.dixie.edu/search/?P=BIOL%202425/)
COMM 1020
(catalog.dixie.edu/search/?P=COMM%201020/)
or COMM 2110
(catalog.dixie.edu/search/?P=COMM%202110/)
Public Speaking or Interpersonal Communication (SS, GC)
ENGL 2010
(catalog.dixie.edu/search/?P=ENGL%202010/)
Interm Writing Selected Topics: (EN)

2nd Year
Fall Semester
RADT 1020
(catalog.dixie.edu/search/?P=RADT%201020/)
Radiographic Procedures I
RADT 1030
(catalog.dixie.edu/search/?P=RADT%201030/)
Radiographic Imaging I
RADT 1040
(catalog.dixie.edu/search/?P=RADT%201040/)
Clinical Education I (ALPP)
RADT 1050
(catalog.dixie.edu/search/?P=RADT%201050/)
Patient Care

Spring Semester
RADT 1120
(catalog.dixie.edu/search/?P=RADT%201120/)
Radiographic Procedures II
RADT 1140
(catalog.dixie.edu/search/?P=RADT%201140/)
Clinical Education II (ALPP)
RADT 1230
(catalog.dixie.edu/search/?P=RADT%201230/)
Radiographic Imaging II
RADT 1250  
(catalog.dixie.edu/search/?P=RADT%201250/)  
Advanced Patient Care  
2

**Summer Semester**

RADT 1240  
(catalog.dixie.edu/search/?P=RADT%201240/)  
Clinical Education III (ALPP)  
7

**3rd Year**

**Fall Semester**

RADT 2030  
(catalog.dixie.edu/search/?P=RADT%202030/)  
Radiographic Physics  
3

RADT 2040  
(catalog.dixie.edu/search/?P=RADT%202040/)  
Clinical Education IV (ALPP)  
7

RADT 3020  
(catalog.dixie.edu/search/?P=RADT%203020/)  
Advanced Medical Imaging  
3

RADT 3150  
(catalog.dixie.edu/search/?P=RADT%203150/)  
Radiobiology and Protection  
3

**Spring Semester**

RADT 3240  
(catalog.dixie.edu/search/?P=RADT%203240/)  
Clinical Education V (ALPP)  
7

RADT 3260  
(catalog.dixie.edu/search/?P=RADT%203260/)  
Radiography Seminar  
3

**Total Hours**

86

**Medical Radiography Program Learning Outcomes**

At the successful conclusion of this program, students will be able to:

1. Develop competence in clinical performance.
2. Demonstrate critical thinking and problem-solving skills.
3. Practice professional and ethical conduct.
4. Develop effective communication skills