

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.

Professional Licensure/Certification (PLC) Requirements

The curriculum for programs at Dixie State University customarily leading to licensure have been designed to meet the educational licensure/certification requirements in Utah as well as to prepare students to apply for licensure exams in the State of Utah. The licensure boards in each state are responsible for establishing the requirements for licensure/certification for their state. Requirement may vary state to state and may change at any time. Students who intend to use their DSU degree to secure licensure in any state other than Utah will need to review the professional licensure disclosures in that state pertaining to their program and consult with the state professional licensing board. For more information, visit the State Authorization and Professional Licensure (<https://academics.dixie.edu/state-authorization/>) web page and select your program, or speak to the director of your program.

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.jcert.org (<https://www.jcert.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

Code	Title	Hours
General Education Requirements		
ENGL 1010 or ENGL 1010D	Introduction to Writing (EN) Introduction to Writing (EN)	3
ENGL 2010	Interm Writing Selected Topics: (EN)	3
MATH 1040 or MATH 1030 or MATH 1050	Introduction to Statistics (MA) (preferred) Quantitative Reasoning (MA) College Algebra / Pre-Calculus (MA)	3-4
PSY 1010 or PSY 1100	General Psychology (SS, GC) Human Development Through Lifespan (SS, GC)	3
Code Title Hours		
Program Prerequisites		
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5
BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
COMM 1020 or COMM 2110	Public Speaking Interpersonal Communication (SS, GC)	3
RADT 1010	Intro to Radiography	2
Code Title Hours		
Core Discipline Requirements		
(Admission to DSU Medical Radiography AAS program required)		
Semester I		
RADT 1020	Radiographic Procedures I	5
RADT 1030	Radiographic Imaging I	3
RADT 1040	Clinical Education I (ALPP)	4
RADT 1050	Patient Care	2
Semester II		
RADT 1120	Radiographic Procedures II	4
RADT 1140	Clinical Education II (ALPP)	5
RADT 1230	Radiographic Imaging II	2
RADT 1250	Advanced Patient Care	2
Semester III (Summer)		
RADT 1240	Clinical Education III (ALPP)	7
Semester IV		
RADT 2030	Radiographic Physics	3
RADT 2040	Clinical Education IV (ALPP)	7
RADT 3020	Advanced Medical Imaging	3
RADT 3150	Radiobiology and Protection	3
Semester V		
RADT 3240	Clinical Education V (ALPP)	7
RADT 3260	Radiography Seminar	3

NOTE: Students wishing to use BIOL 2320/BIOL 2325 and BIOL 2420/BIOL 2425 to fulfill the General Education Life Sciences requirement must also take BIOL 1300 Evolution & Ecology (1).

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

		Hours
RADT 1010	Intro to Radiography	2
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5
ENGL 1010 or ENGL 1010D	Introduction to Writing (EN) or Introduction to Writing (EN)	3
PSY 1010 or PSY 1100	General Psychology (SS, GC) or Human Development Through Lifespan (SS, GC)	3
MATH 1040 or MATH 1030 or MATH 1050	Introduction to Statistics (MA) or Quantitative Reasoning (MA) or College Algebra / Pre-Calculus (MA)	3
Hours		16

Spring Semester

BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
COMM 1020 or COMM 2110	Public Speaking or Interpersonal Communication (SS, GC)	3
ENGL 2010	Intern Writing Selected Topics: (EN)	3
Hours		10

2nd Year

Fall Semester

RADT 1020	Radiographic Procedures I	5
RADT 1030	Radiographic Imaging I	3
RADT 1040	Clinical Education I (ALPP)	4
RADT 1050	Patient Care	2
Hours		14

Spring Semester

RADT 1120	Radiographic Procedures II	4
RADT 1140	Clinical Education II (ALPP)	5
RADT 1230	Radiographic Imaging II	2
RADT 1250	Advanced Patient Care	2
Hours		13

Summer Semester

RADT 1240	Clinical Education III (ALPP)	7
Hours		7

3rd Year

Fall Semester

RADT 2030	Radiographic Physics	3
RADT 2040	Clinical Education IV (ALPP)	7
RADT 3020	Advanced Medical Imaging	3
RADT 3150	Radiobiology and Protection	3
Hours		16

Spring Semester

RADT 3240	Clinical Education V (ALPP)	7
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RADT 3260	Radiography Seminar	3
Hours		10
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