

MEDICAL RADIOGRAPHY PROGRAM

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<http://dixie.edu/health/radiography/>

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Program Description

Medical radiographers or radiologic technologists are allied health professionals who use their patient care and technical skills to perform diagnostic procedures using ionizing radiation. Procedures include exams of the central nervous, gastrointestinal, skeletal, respiratory, and urinary systems and may be performed in the radiology department, emergency room, or the surgical suite.

Professional competence requires radiographers to apply their knowledge in anatomy, pathology, patient positioning, radiation protection, image production, and evaluation. Employment opportunities include hospitals, clinics, physicians' offices, outpatient imaging centers, government agencies, and industry. In addition, registered radiographers may pursue additional education in advanced modalities such as sonography, nuclear medicine, interventional radiography, radiologist assistant, radiation therapy, CT, MRI, and mammography.

It is the program's philosophy that to develop professional, competent and compassionate medical radiographers requires a quality education founded on a well-rounded curriculum, including technical skills, critical thinking, and ethical and responsible behavior. Students in the program will:

1. Develop competence in clinical performance
2. Acquire critical thinking and problem-solving skills
3. Determine the importance of professional and ethical conduct
4. Develop effective communication skills

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. It consists of five semesters of academic studies with coordinated practice in area imaging departments. Clinical rotation shifts vary anywhere from 6:00 a.m. to 11 p.m. Saturday rotations will be required in the third, fourth, and fifth semesters.

Facilities

The Medical Radiography Program is located in located the Russell Taylor Health Science Center and has 6,000 square feet of dedicated classroom and lab space. This consists of two state-of-the-art classrooms, darkroom, and energized labs. The lab equipment is cutting-edge technology, including two stationary GE Proteus units, a mobile x-ray unit, Konica CR reader, and PACS. This equipment is, in most cases, exactly like the equipment the radiography students will be using at the clinical sites, which makes transferring of learning easier.

Licensure

Upon successful completion of the program, the student will be awarded an Associate of Applied Science Degree in Medical Radiography. The graduate will be eligible to apply to sit for the American Registry of Radiologic Technologists. After passing the national examination, individuals may apply for licensure for the State of Utah through the Division of Occupational and Professional Licensing.

Accreditation

The DSC 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 N. Wacker Dr. Suite 2850
Chicago IL 60606-3182
(312) 704-5300
www.jcert.org

Admissions/Application for Medical Radiography Program

To be considered for admission to any the Medical Radiography program, an applicant must first be accepted as a Dixie State College student. Then, the applicant must complete a separate application to the Medical Radiography program. Admissions to the program are competitive and based on a point system. Applicants will be evaluated on their overall GPA, academic achievement, grades in the required prerequisites for the program, the PSB Health Occupations Aptitude Exam, work experience or volunteer hours in a healthcare environment, personal references/recommendations, and observation time spent in an imaging department. Applicants must be previously admitted as students to Dixie State College. The deadline for applications is on the department website. Only complete applications will be reviewed and considered for admission. Applications and further information is available at <http://www.dixie.edu/health/radiography/admissions.php>.

After admission to Dixie State College, applicants must submit current official transcripts to the Medical Radiography Program. There is a

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seven year limit on all science courses, including anatomy, physiology, and the associated labs.

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. Applicants will be evaluated based on their overall college GPA. The eligibility requirement for admission into the Dixie State College of Utah Radiologic Technology 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. Before making application, all required prerequisite courses must be completed with at least a "C" grade (2.0 GPA). For courses not completed, applicant may submit a current semester outline showing anticipated completion. Students accepted into the program must receive a final grade for these classes consistent with admission criteria before the start of the program.

Prerequisite Courses (required for admission):

BIOL 2320/2325	Human Anatomy / Lab	3/2
BIOL 2420/2425	Human Physiology / Lab	3/1
ENGL 1010	Intro to Writing	3
ENGL 2010	Intermediate Writing	3
MATH 1050	College Algebra/Pre-Calculus	4
PSY 1010	General Psychology	3
RADT 1010	Intro to Radiography	3
One of the following:		3.0
COMM 1020	Public Speaking	3.0
COMM 2110	Interpersonal Communication	3.0

Course Prefixes

- RADT

Degrees & Certificates

- Associate of Applied Science in Medical Radiography

Associate of Applied Science in Medical Radiography

87 credits

The Associate of Applied Science in Medical Radiography degree has four basic components:

1. General Education Requirements
2. Prerequisite Requirements
3. Program Requirements
4. Discipline Core Requirements.

General Education Requirements

Complete the following:

ENGL 1010	Intro to Writing	3
ENGL 2010	Intermediate Writing	3
MATH 1050	College Algebra / Pre-Calculus	4
PSY 1010	General Psychology	3

Program Prerequisites

Complete the following:

BIOL 2320/2325	Human Anatomy / Lab	3/2
BIOL 2420/2425	Human Physiology / Lab	3/1
RADT 1010	Intro to Radiography	2

Complete **one** of the following:

COMM 1020	Public Speaking	3
COMM 2110	Interpersonal Communication	3

Core Discipline Requirements

Complete the following:

Semester I

RADT 1020	Radiographic Procedures I	5
RADT 1030	Radiographic Imaging I	3
RADT 1040	Clinical Education I	4
RADT 1050	Patient Care	2

Semester II

RADT 1120	Radiographic Procedures II	4
RADT 1140	Clinical Education II	5
RADT 1230	Radiographic Imaging II	2
RADT 1250	Advanced Patient Care	2

Semester III (Summer)

RADT 1240	Clinical Education III	7
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Semester IV

RADT 2030	Radiographic Physics	3
RADT 2040	Clinical Education IV	7
RADT 3020	Advanced Medical Imaging	3
RADT 3150	Radiobiology & Protection	3

Semester V

RADT 3240	Clinical Education V	7
RADT 3260	Radiography Seminar	3

NOTE: Students wishing to use BIOL 2320/2325 and BIOL 2420/2425 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 DSC for institutional residency.
3. Cumulative GPA 2.0 or higher.
4. Grade C or higher in each Program Prerequisite and Discipline Core Requirements course.