

Associate of Applied Science Degree Science and Health Technologies

Radiologic Technology (9380)

Radiographers work under the supervision of qualified radiologists or physicians. Radiographers perform imaging examinations, process radiographic films, evaluate radiographic equipment, manage quality assurance, provide patient education relevant to specific imaging procedures, and apply radiation protection principles to patients, self, and others. Work settings include hospitals, specialized imaging centers, urgent care clinics, private physician offices, industry, or civil service/public health centers.

Lakeland's Radiologic Technology degree program prepares students to be competent entry-level radiographers. Upon satisfactory completion of the program requirements, graduates are eligible to apply for examination by the American Registry of Radiologic Technologists. Students convicted of any felony or misdemeanor may be prohibited from applying for the certification examination.

Students must be admitted to the Radiologic Technology program to enroll in RADT courses. Other courses may be taken prior to admission to the program.

All students enrolled in a nursing or allied health program/certificate must complete a criminal background check. In accordance with clinical site requirements, students with a criminal record may be ineligible to participate in a clinical course/rotation/practicum. Delays, for any reason, in obtaining background results may cause an interruption in the clinical rotation sequence or inability to complete program requirements. Additional background screening may be required by individual facilities.

Drug Testing may be requested in accordance with clinical affiliation requirements and/or for patient/student health and safety.

A minimum GPA of 2.0 and a "C" grade or higher is required in all science and program-specific courses for graduation.

Certificates in Computed Tomography and Magnetic Resonance Imaging are available.

ADMISSION PROCEDURES

Students must meet specific admission requirements for this program. Listed below are requirements for admission to the Radiologic Technology Program:

OPTION 1: High School Option

This option is for current high school seniors or high school graduates who apply to the program within two years of high school graduation. **Please Note: Deadlines for submission of applications may be obtained from the admissions or counseling offices.**

- Complete college application(s).
- Composite score of 21 or higher on the American College Test (ACT) or combined score of 1400 on the Scholastic Aptitude Test (SAT).
- Complete high school algebra, chemistry, and biology with a "C" grade or higher.
- An overall high school GPA of 2.5 on a 4.0 scale or equivalent.
- Meet with a counselor to review program prerequisites and requirements.

Upon successful completion of the above criteria, the applicant will be admitted into the program. Students must complete HLTH 1210 (Medical Terminology) with a "C" grade or higher prior to enrolling in their first health technology course.

OPTION 2: College Option

This option is for students who do not qualify for admission under Option 1. **Please Note: Deadlines for submission of applications may be obtained from the admissions or counseling offices.**

- Complete college application(s).
- Submit high school transcript as well as any college transcript(s).
- Successful passing score on the required program pre-admission test.
- Meet with a counselor to review program prerequisites and requirement.
- The following courses, or equivalent courses at other regionally accredited colleges, must be completed with a "C" or higher and have a minimum cumulative GPA in program applicable courses of 2.8 or higher.
 - HLTH 1210 Medical Terminology
 - BIOL 2210 Anatomy & Physiology I

NOTE: Students must meet one of these requirements to take BIOL 2210 with a "C" or higher:

1. High school biology within last five years and high school chemistry.
2. High school biology within last five years and CHEM 1100 Elementary Chemistry.
3. Biology 1200 Fundamentals of Biology for the Health Technologies.

Students are required to take the Math Placement Test and be placed into MATH 1550 or complete MATH 0950 with a "C" grade or higher.

OPTION 3: Advanced Education Option

Students pursuing this option must have an Associate of Applied Science Degree in Nursing or Allied Health, Bachelor of Science Degree in a natural science, or an Associate of Science Degree to be waived from the preadmission testing. All other Option 2 requirements apply.

First Semester:

BIOL 2210	Anatomy and Physiology I	4
ENGL 1110*	English Composition I (A)	3
OR		
ENGL 1111	English Composition I (B)	
RADT 1100	Introduction to Radiologic Technology	4
RADT 1210	Radiographic Procedures I	3
RADT 1310	Patient Care and Clinical Experience I	2

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Second Semester:

BIOL 2220	Anatomy and Physiology II	4
ENGL 1120	English Composition II	3
ITIS 1000	Introduction to Personal Computers	1
RADT 1150	Principles of Imaging I	4
RADT 1220	Radiographic Procedures II	3
RADT 1320	Clinical Experience II	2

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Summer Semester:

RADT 2050	Seminar I	1
RADT 2310	Clinical Experience III	4

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Third Semester:

PSYC 1500	Introduction to Psychology	3
RADT 2100	Special Imaging Modalities	2
RADT 2150	Radiation Physics	3
RADT 2200	Principles of Imaging II.	3
RADT 2320	Clinical Experience IV.	3

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Fourth Semester:

RADT 2280	Radiographic Pathology.	2
RADT 2330	Clinical Experience V.	3
RADT 2410	Radiation Protection and Biology.	3
SPCH 1000	Effective Public Speaking	3

OR

SPCH 1100	Effective Interpersonal Communications	
Choose course(s) from the Arts and Humanities Electives list.		3

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Summer Semester:

RADT 2340	Clinical Experience VI.	4
RADT 2450	Seminar II	2

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Program Total: 72

**English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).*

Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 1215, 1800, 2200, 2250; PHIL 1500, 2000