

ALLIED HEALTH | ASSOCIATE OF SCIENCE: RADIOLOGIC TECHNOLOGY

Mission/Philosophy

The Radiologic Technology Program strives to graduate students who are qualified in the use of ionizing radiation. In preparation for the American Registry of Radiologic Technologist Examination, students learn academic theory on campus and then apply their knowledge of radiographic procedures in the affiliate clinical education centers. To help meet the increasing demands of health care, the department strives to recruit and educate students to perform a vital role as allied health professionals within communities. Program graduates will have technical and communication skills, understanding and empathy for all patient populations, and a realization of the importance and responsibility to life-long learning within an advancing profession. By fulfilling its mission, the Radiologic Technology Program improves the quality of medical care provided throughout the region.

Program Goals

Upon completion of the Associate of Science degree in Radiologic Technology, FHSU graduates will:

- **Students will be clinically competent.**
 - Outcome 1: Students will recall positioning procedures.
 - Outcome 2: Students will provide patient care.
- **Students will demonstrate communication skills.**
 - Outcome 1: Students will communicate effectively with diverse populations.
 - Outcome 2: Students will demonstrate both written and oral communication skills.
- **Students will develop critical thinking.**
 - Outcome 1: Students will adapt standard procedures to non-routine patients.
 - Outcome 2: Students will critique images to determine diagnostic quality.

Radiologic Technology Program Effectiveness Data (<https://www.fhsu.edu/alliedhealth/program-outcomes/index/>)

Clinical Assignment

When the student accepts their position in the program, they must review and agree to the terms outlined in the Student Acknowledge of Clinical Internship. Students will be notified of clinical placement after successful completion of the first summer semester. Most students will relocate for clinical experiences. Clinical experience requires the students to work 38 hours a week in the second year of the program. Shifts will include rotations in different patient areas to interface the student with a variety of radiographic examinations. Shifts are primarily day shifts, but will include evening off-shifts on occasion. Overnight and weekend shifts are not scheduled. Students work an 8.5-hour day alongside registered technologists fulfilling the clinical objectives established by the program. Students are responsible for finding transportation and housing on their own.

Clinical affiliates include:

- Abilene, Kansas
- Colby, Kansas
- Dodge City, Kansas
- Garden City, Kansas
- Great Bend, Kansas
- Hays, Kansas
- Kansas City, Kansas
- Liberal, Kansas
- Ottawa, Kansas
- Olathe, Kansas
- Paola, Kansas
- Salina, Kansas
- Sterling, Colorado
- Wichita, Kansas

Prior to attending clinical experience, students will be expected to complete the following:

- Background Check,
- Drug Screening,
- Health Assessment with Immunization history,
- TB skin test,
- CPR certification, and
- Various other safety trainings relative to MRI scanners, HIPAA, and OSHA.

Students are responsible for associated costs. Estimations of these program costs can be located within the R.T. Program Brochure.

Students must have proof of health insurance and liability insurance to advance to clinical rotation. Students are responsible for these associated costs. Estimations of these program costs can be located within the R.T. Program Brochure.

Curriculum

General Education

All undergraduate degrees require completion of the Kansas Systemwide General Education (<https://catalog.fhsu.edu/general-education/>).

Courses identified with ^{GE} on this page may satisfy a general education requirement in addition to the identified degree requirement. Students who apply a degree requirement to satisfy a general education requirement will typically add an equal number of hours to the the university elective category. This flexibility may allow you to complete a minor or certificate within the 120 hour degree. Transfer students and students majoring in programs with approved exceptions (<https://www.fhsu.edu/general-education/documents/fhsu-gen-ed-transfer-exceptions-explainer1.pdf>) are especially encouraged to select these courses in completing General Education requirements to maximize the likelihood of completing the degree with 120 credit hours.

Code	Title	Hours
General Education		34-35

Specified Program Prerequisites

These courses must have an earned "C" or higher final course grade for R.T. program application.

Code	Title	Hours
BIOL 100	Human Biology	3
BIOL 102	Laboratory Experiences in Biology	1
BIOL 230	Anatomy and Physiology I	3
BIOL 230L	Anatomy and Physiology I Laboratory	1
BIOL 231	Anatomy and Physiology II	3
BIOL 231L	Anatomy and Physiology II Laboratory	1
BIOL 245	Medical Terminology	2
COMM 100	Fundamentals of Oral Communication	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
MATH 110	College Algebra	3
Total Hours		26

Department/Major Requirements Program Completion

The Associate of Science in Radiologic Technology requires the curriculum completion of:

Code	Title	Hours
Total Prerequisite Credits		26
R.T. Program Major Credits		47
Other General Education Credits		18
Total Hours		91

Degree Requirements

All associate degrees require:

GPA of 2.0 on FHSU courses & 2.0 on all coursework (Higher program requirements prevail over the 2.0 when set)

A minimum of 15 hours earned from FHSU with a grade of D, C, B, or A

Degree Maps

Course	Title	Hours
First Year		
Summer		
RAD 260	Orientation to Radiologic Techniques	1
RAD 262 & 262L	Radiographic Procedures I and Radiographic Procedures I Laboratory	3
RAD 265	Patient Care in Medical Imaging I	1
RAD 363	Principles of Radiographic Exposures I	1
Hours		6
Fall		
RAD 263 & 263L	Radiographic Procedures II and Radiographic Procedures II Laboratory	5
RAD 266	Patient Care in Medical Imaging II	1
RAD 364	Principles of Radiographic Exposure II	2
RAD 365	Special Procedures in Radiology	1
RAD 373	Radiologic Pathology	1
Hours		10
Spring		
RAD 261	Radiologic Safety	1
RAD 300	Radio-Biology	1
RAD 372	Applied Biophysics in Radiology	2
RAD 264 & 264L	Radiographic Procedures III and Radiographic Procedures III Laboratory	4
RAD 368	Seminar in Radiology	1
Hours		9

Second Year		
Summer		
RAD 330	Clinical Experience I	4
RAD 340	Advanced Radiology Seminar I	2
Hours		6
Fall		
RAD 331	Clinical Experience II	6
RAD 340	Advanced Radiology Seminar I	2
Hours		8
Spring		
RAD 332	Clinical Experience III	6
RAD 342	Advanced Radiology Seminar III	2
Hours		8
Total Hours		47

Academic Degree Maps are term-by-term sample course plans that specify milestones, courses, and special requirements that are necessary for facilitating on-time completion. Degree Maps are *examples* and are not prescriptive. Individualized choices such as concentration options, transfer credits, optional minors, advisory programs (certificates), etc. can alter the recommended coursework. Course offerings are subject to change. Students should consult with their academic advisors for additional guidance on course planning.

To determine courses to take in the directed choices (often listed as Program Elective Course) and directed elective course blocks see the overview tab for courses. To locate approved courses in General Education areas (Undergraduate Programs) see the general education section (<https://catalog.fhsu.edu/general-education/>) of the catalog.

The undergraduate course maps typically advise the most efficient route for students to complete the general education requirements. Courses that are required in the major may be listed as fulfilling relevant general education requirements. This will result in more open elective course hours in some maps than is listed on the degree overview page.

Additional Admission Requirements Program Application

The Radiologic Technology program accepts student applications and materials for program admission by January 31 each year. With successful completion of the program, the student is eligible for the national Radiography certification exam by the American Registry of Radiologic Technologists (ARRT).

To be eligible to apply for the R.T. program, the student must possess a minimum of a cumulative 2.75 college GPA and successful completion of program prerequisite courses with an earned grade of "C" or higher. Students may meet prerequisite completion by showing concurrent registration in those courses in the semester they apply.

Visit our website (<https://www.fhsu.edu/alliedhealth/academic-programs/asdegree/>) to download more information relative to the program layout, prerequisites, and application requirements.

After submission of the application materials by the deadline, the most qualified students will interview for a position within the program. Each interviewee has a 15-minute interview with the R.T. Faculty Advisory Committee. Interview Score Card (<https://www.fhsu.edu/alliedhealth/academic-programs/asdegree/interview-score-card.pdf>) Students are notified of their acceptance by mid to late March and will begin the program curriculum sequence in June. The number of students admitted

into this program is restricted by the availability of clinical experiences at clinical affiliate hospitals across the state of Kansas and Colorado.

Program Acceptance

Once a student is accepted into the program, the student falls into a curriculum sequence of radiologic science courses followed by clinical experience. Students will complete 3 semesters of on-campus (didactic) coursework to prepare the student for clinical rotation that takes place during the second year, last 3 semesters, of the program.