

RADIOLOGIC TECHNOLOGY - A.A.S.

College of Applied and Technical Studies

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www.kent.edu/cats

Description

The Associate of Applied Science degree in Radiologic Technology educates students on how to perform diagnostic imaging procedures. Medical imaging is a branch of health care delivery that utilizes x-rays and other energy forms to aid in the diagnosis and treatment of medical conditions. Through a blend of classroom education at the university and clinical education at a hospital, students learn anatomy, patient positioning, examination techniques, radiation safety, basic patient care and imaging equipment operation.

Graduates are eligible to take the certification examination administered by the American Registry of Radiologic Technologists (ARRT) to become registered radiologic technologists.

Fully Offered At:

- Ashtabula Campus
- Salem Campus

Accreditation

The A.A.S. degree in Radiologic Technology is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, and the Regional Academic Center in Twinsburg, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

For more information on admissions, contact the Regional Campuses admissions offices.

Program Learning Outcomes

Graduates of this program will be able to:

1. Utilize critical thinking and problem-solving skills effectively in the practice of radiologic technology.
2. Communicate effectively in oral and written form with patients families and members of the health care team.
3. Perform radiographic procedures successfully and consistent with entry-level requirements of a registered radiologic technologist.
4. Determine the value of professional growth and development and to conduct themselves in a professional manner.

University Requirements

All students in an applied or technical associate degree program at Kent State University must complete the following university requirements for graduation.

NOTE: University requirements may be fulfilled in this program by specific course requirements, please see Program Requirements for details.

Code	Title	Credit Hours
	Destination Kent State: First Year Experience	1
	Course is not required for students with 25 transfer credits, excluding College Credit Plus, or age 21+ at time of admission.	
	Kent Core (see table below)	15
	Total Credit Hour Requirement	60
	Some associate degrees require students to complete more than 60 credit hours.	

Kent Core Requirements

Kent Core Composition (KCMP)	3
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA)	3
Kent Core Social Sciences (KSS)	3
Kent Core Basic Sciences (KBS/KLAB)	3
Total Credit Hours:	15

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements (courses count in major GPA; min C grade required in all courses)		
RADT 14003	INTRODUCTION TO RADIOLOGIC TECHNOLOGY	2
RADT 14005	CLINICAL EDUCATION I	1
RADT 14006	RADIOGRAPHIC PROCEDURES I	1
RADT 14015	CLINICAL EDUCATION II	3
RADT 14018	IMAGING EQUIPMENT	2
RADT 14021	RADIOGRAPHIC PROCEDURES II	4
RADT 14024	RADIOGRAPHIC PROCEDURES III	4
RADT 14025	CLINICAL EDUCATION III	3
RADT 14034	IMAGE ACQUISITION AND PROCESSING	2
RADT 14085	CLINICAL EDUCATION IV	2
RADT 24008	RADIOBIOLOGY AND RADIATION PROTECTION	3
RADT 24016	IMAGING PHYSICS	3
RADT 24015	CLINICAL EDUCATION V	3
RADT 24025	CLINICAL EDUCATION VI	3
Additional Requirements (courses do not count in major GPA)		
AHS 14016	PATIENT CARE MANAGEMENT	2
AHS 24010	MEDICAL TERMINOLOGY	1-3
or HED 14020	MEDICAL TERMINOLOGY	
AHS 24014	ADVANCED IMAGING	2
AHS 24028	RADIOLOGIC PATHOLOGY	3
BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) (min C grade) ¹	3
BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) (min C grade) ¹	3
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3

or CHEM 10055	MOLECULES OF LIFE (KBS)	
MATH 11009	MODELING ALGEBRA (KMCR)	3-4
or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Kent Core Composition		3
Kent Core Humanities and Fine Arts		3
Minimum Total Credit Hours:		66

¹ Students who have completed BSCI 21010 and BSCI 21020 (or ATTR 25057 and ATTR 25058, or EXSC 25057 and EXSC 25058) may use these courses in place of BSCI 11010 and BSCI 11020, but the courses must have been completed within the past five years prior to admission to the program.

Progression Requirements

To be able to register for Radiologic Technology (RADT) courses, students must be admitted to technical study. Admission is selective due to the limited number of students approved for each clinical education setting. Admission criteria are the following:

- Minimum 2.75 high school GPA (minimum 2.75 overall GPA for applicants previously or currently attending a college)
- Completion of high school or college-level algebra course (or MATH 00022) with minimum C grade
- Completion of high school or college-level biology course with minimum C grade
- Completion of high school or college-level chemistry course with minimum C grade
- Minimum four hours of job shadowing (eight hours preferred)
- Submission of a Radiologic Technology application
- Interview

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

- A minimum grade of C grade is required in most courses; view the program requirements to see specific courses.

Roadmap

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Summer 1		Credits
AHS 24010 or HED 14020	MEDICAL TERMINOLOGY or MEDICAL TERMINOLOGY	1-3
RADT 14003	INTRODUCTION TO RADIOLOGIC TECHNOLOGY	2
RADT 14005	CLINICAL EDUCATION I	1
RADT 14006	RADIOGRAPHIC PROCEDURES I	1
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Credit Hours		6
Semester One		
AHS 14016	PATIENT CARE MANAGEMNT	2
BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	3
! RADT 14015	CLINICAL EDUCATION II	3
! RADT 14018	IMAGING EQUIPMENT	2
! RADT 14021	RADIOGRAPHIC PROCEDURES II	4
Credit Hours		14
Semester Two		
BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	3
CHEM 10050 or CHEM 10055	FUNDAMENTALS OF CHEMISTRY (KBS) or MOLECULES OF LIFE (KBS)	3
RADT 14034	IMAGE ACQUISITION AND PROCESSING	2
! RADT 14024	RADIOGRAPHIC PROCEDURES III	4
! RADT 14025	CLINICAL EDUCATION III	3
Credit Hours		15
Summer 2		
RADT 14085	CLINICAL EDUCATION IV	2
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		8
Semester Three		
AHS 24014	ADVANCED IMAGING	2
MATH 11009 or MATH 11010	MODELING ALGEBRA (KMCR) or ALGEBRA FOR CALCULUS (KMCR)	3-4
! RADT 24008	RADIOBIOLOGY AND RADIATION PROTECTION	3
! RADT 24015	CLINICAL EDUCATION V	3
RADT 24016	IMAGING PHYSICS	3
Credit Hours		14
Semester Four		
AHS 24028	RADIOLOGIC PATHOLOGY	3
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
! RADT 24025	CLINICAL EDUCATION VI	3
Credit Hours		9
Minimum Total Credit Hours:		66