RADIOLOGIC TECHNOLOGY - A.A.S.

College of Applied and Technical Studies
www.kent.edu/cats

About This Program

The Radiologic Technology associate degree at Kent State provides students with the foundational knowledge and practical skills needed for a career in radiologic technology. With a combination of classroom instruction and clinical experience, students will be well-prepared to work in a variety of healthcare settings. Read more...

Contact Information

- Ashtabula Campus:
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  - **Theresa Hootman** | thootma1@kent.edu | 330-964-4252
- Salem Campus:
  - **Sherry DeWitt** | sdewitt@kent.edu | 330-337-4227
  - **Kelly Dragomir, M.A. R.T. (R)(CT)** (Radiologic Technology, CT, and MRI) | kadragom@kent.edu | 330-337-4129
- Speak with an Advisor
  - Ashtabula Campus
  - Salem Campus
- Chat with an Admissions Counselor

Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - Ashtabula Campus
  - Salem Campus

Examples of Possible Careers and Salaries*

Diagnostic medical sonographers

- 16.8% much faster than the average
- 74,300 number of jobs
- $75,920 potential earnings

Magnetic resonance imaging technologists

- 7.0% faster than the average
- 38,700 number of jobs
- $74,690 potential earnings

Medical dosimetrists, medical records specialists, and health technologists and technicians, all other

- 8.5% much faster than the average
- 341,600 number of jobs
- $44,090 potential earnings

Radiation therapists

- 7.1% faster than the average
- 18,500 number of jobs
- $86,850 potential earnings

Radiologic technologists and technicians

- 6.7% faster than the average
- 212,000 number of jobs
- $61,900 potential earnings

Accreditation

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

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www.jrcert.org/find-a-program/

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

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 Twinsburg Academic Center, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

Some programs may require that students meet certain requirements before progressing through the program. For programs with progression requirements, the information is shown on the Coursework tab.

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

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 14016	PATIENT CARE MANAGEMENT	2
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
RADT 24014	ADVANCED IMAGING	2
RADT 24028	RADIOLOGIC PATHOLOGY	3
RADT 24048	RADIOGRAPHIC TECHNIQUES	3
Additional Requirements (courses do not count in major GPA)		
AHS 24010	MEDICAL TERMINOLOGY	1-3
or HED 14020	MEDICAL TERMINOLOGY	
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
MATH 11009	MODELING ALGEBRA (KMCR)	3-4
or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
UC 10001	FLASHES 101	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 2.750 high school GPA (minimum 2.750 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 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 program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

First Year

	Summer		**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
		Credit Hours	**5**
	Fall Semester		
	BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	3
!	RADT 14015	CLINICAL EDUCATION II	3
	RADT 14016	PATIENT CARE MANAGEMENT	2
!	RADT 14018	IMAGING EQUIPMENT	2
!	RADT 14021	RADIOGRAPHIC PROCEDURES II	4
	UC 10001	FLASHES 101	1
		Credit Hours	**15**
	Spring Semester		
	BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	3
	MATH 11009 or MATH 11010	MODELING ALGEBRA (KMCR) or ALGEBRA FOR CALCULUS (KMCR)	3-4
!	RADT 14024	RADIOGRAPHIC PROCEDURES III	4
!	RADT 14025	CLINICAL EDUCATION III	3
	RADT 14034	IMAGE ACQUISITION AND PROCESSING	2
		Credit Hours	**15**

Second Year

	Summer		
	RADT 14085	CLINICAL EDUCATION IV	2
	Kent Core Requirement		3
	Kent Core Requirement		3
		Credit Hours	**8**
	Fall Semester		
!	RADT 24008	RADIOBIOLOGY AND RADIATION PROTECTION	3
	RADT 24014	ADVANCED IMAGING	2
!	RADT 24015	CLINICAL EDUCATION V	3
	RADT 24016	IMAGING PHYSICS	3
		Credit Hours	**11**
	Spring Semester		
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
!	RADT 24025	CLINICAL EDUCATION VI	3
	RADT 24028	RADIOLOGIC PATHOLOGY	3

RADT 24048	RADIOGRAPHIC TECHNIQUES	3
	Credit Hours	**12**
	Minimum Total Credit Hours:	**66**

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
Flashes 101 (UC 10001)		1
Course is not required for students with 30+ 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 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 consistently 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.

Full 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 or outpatient centers, 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.

Professional Licensure Disclosure

This program is designed to prepare students to sit for applicable licensure or certification in Ohio. If you plan to pursue licensure or certification in a state other than Ohio, please review state educational requirements for licensure or certification and contact information for state licensing boards at Kent State's website for professional licensure disclosure.