

# RADIOLOGIC TECHNOLOGY - A.T.S.

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

## About This Program

Designed for students who already have a certificate in a related field, Kent State's Radiologic Technology program offers a flexible and convenient way to gain the specialized knowledge and skills needed to succeed in radiologic technology. Read more...

## Contact Information

- Ashtabula Campus:
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## Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - 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

### Radiologic technologists and technicians

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

### Radiation therapists

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

\* 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
<b>Additional Requirements (courses do not count in major GPA)</b>		
UC 10001	FLASHES 101	1
	Kent Core Composition <sup>1</sup>	6
<b>Additional Major Requirements or Concentration</b>		
	Choose from the following:	59-60
<b>Additional Requirements for Students Not Declaring a Concentration</b>		
	Radiology Department Management Technology	
<b>Minimum Total Credit Hours:</b>		<b>66-67</b>

<sup>1</sup> 3 credit hours are required for Kent Core (University Requirements). This program requires a total of 6 credit hours to earn the degree.

### Additional Requirements for Students Not Declaring a Concentration

Code	Title	Credit Hours
<b>Prerequisite Requirements</b>		
	Credits awarded on the basis of certification by the American Registry of Radiologic Technologists <sup>1</sup>	32
<b>Additional Requirements (courses do not count in major GPA)</b>		
BSCI 10001	HUMAN BIOLOGY (KBS)	3
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
	or CHEM 10055	MOLECULES OF LIFE (KBS)
IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
	or CS 10001	COMPUTER LITERACY
	or CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES
MATH 11009	MODELING ALGEBRA (KMCR)	3-4
	or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)

PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
Kent Core Additional <sup>3</sup>		3
Kent Core Humanities and Fine Arts <sup>2</sup>		6
Kent Core Social Sciences		3
<b>Minimum Total Credit Hours:</b>		<b>59</b>

- <sup>1</sup> On the basis of certification, maximum 32 credit hours are awarded only after the completion of program requirements
- <sup>2</sup> 3 credit hours are required for Kent Core (University Requirements). This program requires a total of 6 credit hours to to earn the non-concentration option in the degree.
- <sup>3</sup> This program requires a total of 3 credit hours of Additional Kent Core to earn the non-concentration option in the degree.

### Radiology Department Management Technology Concentration Requirements

Code	Title	Credit Hours
<b>Prerequisite Requirements</b>		
	Credits awarded on the basis of certification by the American Registry of Radiologic Technologists <sup>1</sup>	30
<b>Major Requirements (courses count in major GPA)</b>		
BMRT 11000	INTRODUCTION TO BUSINESS	3
or BUS 10123	EXPLORING BUSINESS	
BMRT 11009	INTRODUCTION TO MANAGEMENT TECHNOLOGY	3
or MGMT 24163	PRINCIPLES OF MANAGEMENT	
BMRT 21000	BUSINESS LAW AND ETHICS I	3
or FIN 26074	LEGAL ENVIRONMENT OF BUSINESS	
BMRT 31006	HUMAN RESOURCE MANAGEMENT	3
or HRM 34180	HUMAN RESOURCE MANAGEMENT	
BMRT 21050	FUNDAMENTALS OF MARKETING TECHNOLOGY	3
or MKTG 25010	PRINCIPLES OF MARKETING	
COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
ECON 22060	PRINCIPLES OF MICROECONOMICS (KSS)	3
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	3
Kent Core Basic Sciences		3
Kent Core Humanities and Fine Arts		3
<b>Minimum Total Credit Hours:</b>		<b>60</b>

- <sup>1</sup> On the basis of certification, maximum 30 credit hours are awarded only after the completion of program requirements

### Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

### Roadmaps

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.

### Radiologic Technology (No Concentration)

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.

Semester Prerequisite		Credits
Credits awarded on the basis of certification by the American Registry of Radiologic Technologists		32
<b>Credit Hours</b>		<b>32</b>
<b>Semester One</b>		
IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
or CS 10001	or COMPUTER LITERACY	
or CIS 24053	or INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES	
MATH 11009	MODELING ALGEBRA (KMCR)	3-4
or MATH 11010	or ALGEBRA FOR CALCULUS (KMCR)	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
UC 10001	FLASHES 101	1
Kent Core Requirement		3
<b>Credit Hours</b>		<b>13</b>
<b>Semester Two</b>		
BSCI 10001	HUMAN BIOLOGY (KBS)	3
Kent Core Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>12</b>
<b>Semester Three</b>		
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
or CHEM 10055	or MOLECULES OF LIFE (KBS)	
Kent Core Requirement		3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>9</b>
<b>Minimum Total Credit Hours:</b>		<b>66</b>

## Radiology Department Management Technology Concentration

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.

Semester Prerequisite		Credits
Credits awarded on the basis of certification by the American Registry of Radiologic Technologists		30
<b>Credit Hours</b>		<b>30</b>
<b>Semester One</b>		
BMRT 11000	INTRODUCTION TO BUSINESS or BUS 10123	3
BMRT 11009	INTRODUCTION TO MANAGEMENT or MGMT 24163	3
MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	3
UC 10001	FLASHES 101	1
Kent Core Requirement		3
<b>Credit Hours</b>		<b>13</b>
<b>Semester Two</b>		
BMRT 31006	HUMAN RESOURCE MANAGEMENT or HRM 34180	3
ECON 22060	PRINCIPLES OF MICROECONOMICS (KSS)	3
Kent Core Requirement		3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>12</b>
<b>Semester Three</b>		
BMRT 21000	BUSINESS LAW AND ETHICS I or FIN 26074	3
BMRT 21050	FUNDAMENTALS OF MARKETING TECHNOLOGY or MKTG 25010	3
COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
Kent Core Requirement		3
<b>Credit Hours</b>		<b>12</b>
<b>Minimum Total Credit Hours:</b>		<b>67</b>

## 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
<b>Total Credit Hours:</b>	<b>15</b>

## Program Learning Outcomes

Graduates of this program will be able to:

1. Demonstrate oral and written communication skills.
2. Use mathematics, science and computer skills in radiology.
3. Improve patient care skills.

## Full Description

The Associate of Technical Study degree in Radiologic Technology offers a completion program to graduates of certificate programs in radiologic technology. Kent State University awards college credit for the hospital-based program and American Registry of Radiologic Technologists certification.

The degree program articulates to Kent State's Bachelor of Radiologic and Imaging Sciences Technology degree.

The Radiologic Technology major includes the following optional concentration:

- Radiology Department Management Technology

## 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.