

# 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

- Academic Program Director: **Tammy McClish, M.Ed., R.T. (R)(M)(QM)(BD)(ARRT)** (Ashtabula Campus) | tmcclis1@kent.edu | 440-964-4321
- Academic Program Director: **Sherri Cole, Ph.D., R.T. (R)(M)** (Salem) | sray10@kent.edu | 330-337-4223
- Administrative Clerk: **Theresa Hootman** (Allied Health Programs | Ashtabula Campus) | thootma1@kent.edu | 440-964-4252
- Secretary: **Sherry DeWitt** (Salem Campus) | sdewitt@kent.edu | 330-337-4227
- Speak with an Advisor
- Chat with an Admissions Counselor

## 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 COMPUTER APPLICATIONS  |              |
| 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<br>or BUS 10123  | INTRODUCTION TO BUSINESS<br>EXPLORING BUSINESS                    | 3            |
| BMRT 11009<br>or MGMT 24163   | INTRODUCTION TO MANAGEMENT TECHNOLOGY<br>PRINCIPLES OF MANAGEMENT | 3            |
| BMRT 21000<br>or FIN 26074  | BUSINESS LAW AND ETHICS I<br>LEGAL ENVIRONMENT OF BUSINESS        | 3            |
| BMRT 31006<br>or HRM 34180  | HUMAN RESOURCE MANAGEMENT<br>HUMAN RESOURCE MANAGEMENT            | 3            |
| BMRT 21050<br>or MKTG 25010   | FUNDAMENTALS OF MARKETING TECHNOLOGY<br>PRINCIPLES OF MARKETING   | 3            |
| 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

|                          |                            |
|--------------------------|----------------------------|
| <b>Minimum Major GPA</b> | <b>Minimum Overall GPA</b> |
| 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.

| <b>Semester Prerequisite</b>   |  | <b>Credits</b> |
|--|--|----------------|
| 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<br>or CS 10001<br>or CIS 24053  | INTRODUCTION TO OFFICE PRODUCTIVITY APPS<br>or COMPUTER LITERACY<br>or INTRODUCTION TO COMPUTER APPLICATIONS | 3              |
| MATH 11009<br>or MATH 11010  | MODELING ALGEBRA (KMCR)<br>or ALGEBRA FOR CALCULUS (KMCR)  | 3-4            |
| 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<br>or CHEM 10055  | FUNDAMENTALS OF CHEMISTRY (KBS)<br>or MOLECULES OF LIFE (KBS)  | 3              |
| 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<br>or<br>BUS 10123              | 3         |
| BMRT 11009   | INTRODUCTION TO MANAGEMENT<br>or<br>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<br>or<br>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<br>or FIN 26074                | 3         |
| BMRT 21050   | FUNDAMENTALS OF MARKETING TECHNOLOGY<br>or<br>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.