

# RADIOLOGIC TECHNOLOGY

Associate of Applied Science Degree

Program Information Packet  
For Class Beginning Early June 2024



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3300 Lake Road West  
Ashtabula, Ohio 44004

Radiologic Technology Program Website: <https://www.kent.edu/ashtabula/rad-tech>

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**The Kent State Ashtabula Radiologic Technology application must be submitted by February 1, 2024**

## **The Associate of Applied Science Degree in Radiologic Technology**

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Thank you for your interest in the Radiologic Technology program at the Ashtabula Campus of Kent State University. Graduates earn an associate in applied science degree in Radiologic Technology (66 semester hours). The program begins every June at the start of summer I semester.

Admission to the program is on a selective basis due to the limited number of students approved for each clinical education setting affiliated with the program. Approximately 40 applications are received annually, and a percentage of the student applicants received an interview. Acceptance into the program is approximately 20 students. The class size is determined by the JRCERT limits of clinical supervising technologists-to-student ratios.

**Carefully read the following application packet for important information regarding:**

- the program admission requirements
- the application process and requirements
- important deadlines for the application submission
  - **Fall deadlines pertain to Fall 2023**
  - **Spring and February deadlines pertain to Spring and February 2024**

**Radiologic Technology** is a branch of health care delivery that utilizes x-rays to obtain an image of the body to aid in the diagnosis and treatment of medical conditions. The program educates students to perform radiologic procedures as a **radiologic technologist**. Through a blend of classroom education at the Ashtabula Campus and clinical education at a hospital (clinical site), students learn to apply theoretic principles to clinical practice in patient care, radiographic imaging and equipment operation, patient procedures and radiation safety. Employment upon graduation is not guaranteed and depends on current economic and professional trends.

**Radiologic Technologists** perform exams using x-ray equipment to obtain an image of the body. Graduates may continue working as radiologic technologists or may advance their career options into other medical imaging modalities, education, management, and sales. Medical imaging modalities include computed tomography (CT), magnetic resonance imaging (MRI), sonography, nuclear medicine, mammography, interventional radiology, and fusion imaging. Radiation therapy is another pathway that treats cancer and other diseases in patients by administering radiation treatments.

### **National and State Program Accreditation**

National Accreditation: Joint Review Committee on Education in Radiologic Technology and follow *The Standards for an Accredited Educational Program in Radiologic Technology*.

[www.jrcert.org](http://www.jrcert.org)

Phone: 312-704-5300

20 N. Wacker Drive, Suite 2850, Chicago IL 60606

State Accreditation: Ohio Department of Health

Phone: 614-644-2727

## Mission Statement of the Radiologic Technology Program

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The mission of Kent State University Ashtabula Campus is to educate radiologic technology students in the knowledge, skills and attitudes to become qualified, professional practitioners who provide quality service and care to the community and to prepare students for the changing needs of the profession. Kent State University transforms lives and communities through the power of discovery, learning and creative expression in an inclusive environment.

## Program Goals and Student Learning Outcomes

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1. Students will be able to perform radiographic procedures consistent with entry-level requirements of a registered radiologic technologist.  
**Learning Outcome:** Students will apply positioning skills accurately.  
**Learning Outcome:** Students will select appropriate technical factors.  
**Learning Outcome:** Students will accurately utilize radiation protection.  
**Learning Outcome:** Students will demonstrate proficiency in performing radiographic exams.
2. Students will communicate effectively in oral and written form with patients, families, and members of the health care team.  
**Learning Outcome:** Students will demonstrate oral communication skills.  
**Learning Outcome:** Students will demonstrate written communication skills.  
**Learning Outcome:** Students will display interpersonal skills with patients and staff.
3. Students will effectively utilize critical thinking and problem-solving skills in the practice of radiologic technology.  
**Learning Outcome:** Students will critique images for radiographic quality.  
**Learning Outcome:** Students will identify the best method of treatment for a given case.  
**Learning Outcome:** Students will adapt positioning for trauma patients.
4. Students will determine the value of professional growth and development and conduct themselves in a professional manner.  
**Learning Outcome:** Students will determine the importance of continued professional development.  
**Learning Outcome:** Students will analyze ethical dilemmas concerning professional behavior.  
**Learning Outcome:** Students will identify professional conduct as seen in the clinical setting.
5. Students will successfully complete all academic requirements for the associate degree in radiologic technology toward the practice of radiologic technology.  
**Learning Outcome:** Students will successfully complete assessment exams on the first attempt.

## Program Effectiveness Data

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The Radiologic Technology Program at Kent State University at Ashtabula is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). In compliance with the JRCERT Standards for an Accredited Educational Program in Radiography, the Program's Effectiveness Data (credentialing examination pass rate, job placement rate, and program completion rate) below is made available to perspective students and the general public.

The public may also access the JRCERT URL

<https://www.jrcert.org/resources/program-effectiveness-data/> to view the effectiveness data of Accredited Educational Programs in Radiography.

**ARRT Credentialing Exam Pass Rate** - Credentialing examination pass rate is defined as the number of student graduates who pass, on first attempt, the American Registry of Radiologic Technologists (ARRT) certification examination or an unrestricted state licensing examination with the number of graduates who take the examination within six months of graduation.

□ **Job Placement Rate** - Job placement rate is defined as the number of graduates employed in the discipline (radiologic sciences) compared to the number of graduates actively seeking employment in the discipline. The JRCERT has defined not actively seeking employment as: 1) graduate fails to communicate with program officials regarding employment status after multiple attempts, 2) graduate is unwilling to seek employment that requires relocation, 3) graduate is unwilling to accept employment due to salary or hours, 4) graduate is on active military duty, and/or 5) graduate is continuing education.

□ **Program Completion Rate** - Program completion rate is defined as the number of students who complete the program within the stated program length. The program must establish a benchmark for its program completion rate. The program specifies the entry point (e.g., required orientation date, final drop/add date, final date to drop with 100% tuition refund, official class roster date, etc.) used in calculating the program's completion rate. KSUA utilizes the official class roster date for the **start of summer three** semester.

Grad Year	Annual Program Completion Rate: Total # of students who complete the program within 36 months) Total # of students who initially began the program with their cohort	ARRT Exam Pass Rate Total # of students who took the ARRT Exam The total # of students who passed on their first attempt within 6 months	Job Placement Rate: Total of graduates employed in radiology The # of graduates who actively sought employment
2022	16/16 = 100%	16 took exam/14 passed = 87.5%	14/14 = 100%
2021	16/17 = 94%	16 took exam/12 passed = 75%	14/14 = 100%
2020	10/11 = 90.90%	10 took exam/10 passed = 100%	10/10 = 100%
2019	14/14 = 100%	13 took exam/13 passed = 100%	12/12 = 100%
2018	14/14 = 100%	13 took exam/12 passed = 92.31%	11/11 = 100%
	5-year Program Completion Rate: 70/72 = 97.22%	5-year ARRT Pass Rate: 68 took exam/61 passed exam = 89.70%	5-year Job Placement Rate: 62/62 = 100%

## Admission Requirements

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Review the following **minimum** requirements. The completion of these requirements does not guarantee an interview or acceptance into the program. It is the applicant's responsibility to review transcripts from high school and/or from college/university to determine eligibility in meeting program requirements. Only those candidates who meet the following requirements should apply to the Radiologic Technology program.

**Graduation from High School** or GED completion before program start.

**Algebra** with a grade of "C" or better (no time limit)

High School Students: complete algebra course with a grade of "C" or better.

College Students: If high school algebra grade is not a "C" or better, then a developmental or college level algebra course must be completed at a university by the end of fall semester before entering the RADT program.

At Kent State University, students who test into MATH 00021 or 00022 (Basic Algebra I & II) must complete them with a grade of "C" or better to meet the math pre-requisite before the radiologic technology program start date. Note that MATH 11009, Modeling Algebra or MATH 10772 Modeling Algebra Plus must be completed before graduation from the radiologic technology program to meet degree requirements.

**Biology** or Anatomy & Physiology with a grade of "C" or better (within the last 5 years)

High School Students: complete biology by graduation with a "C" or better.

College Students: If applicant did not have high school or college biology with a grade of "C" or better, then a biology course must be taken at college and completed by the end of fall semester before entering the RADT program.

Recommended course is BSCI 10001, Human Biology before Anatomy and Physiology and BSCI 11010 and 11020 Foundational Anatomy & Physiology I & II or BSCI 21010 and 21020, Anatomy & Physiology I & II.

**Chemistry** with a grade of "C" or better (no time limit)

High School Students: complete chemistry by graduation with a "C" or better.

College Students: If an applicant did not have high school chemistry with a grade of "C" or better, then a chemistry course must be taken at a university and completed by the end of fall semester before entering the RADT program.

KSU students who did not complete high school chemistry or did not receive a grade of "C" or better are advised to take CHEM 10030, Chemistry in Our World, to be better prepared for CHEM 10050, Fundamentals of Chemistry or CHEM 10055, Molecules of Life. Prerequisite for Fundamentals of Chemistry or Molecules of Life is MATH 11009 to 4999 or MATH 10772.

**Cumulative Grade Point Average of at least 2.75** (on a 4.00 scale) from your **most recent** education record. (GPA used will also be dependent on **credit hours involved**: Ex: 4 vs 20 credits)

High School Students: Cumulative GPA reviewed on transcript.

College cumulative GPA will be considered for applicants who have previously or are currently attending a college or university and these applicants must have at least a cumulative GPA of 2.75 by the end of fall semester before entering the RADT program.

**Job Shadowing:** See pages 18-22

**Radiology Information Session:** All applicants are **required** to complete the Radiology Information Session before the application deadline. This one-hour session provides information on the Associate of Applied Science Degree in Radiologic Technology. Completion of the information session is valid for 2 years.

## Application Process

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Applicants who are applying to the radiologic technology program are advised to follow the process below if applying for the program that begins early **June 2024**.

**The following (3) steps must be completed for your application to be processed:**

**Step 1: Apply to Kent State University:** Must be **admitted** to the university by **February 1<sup>st</sup>**. Complete and submit the Kent State University application. This step is NOT necessary if you are currently attending or have previously attended KSU and have not attended any other college or university since attending Kent. If you attended KSU and then attended another college or university, you must reapply to Kent State.

**Step 2: Send Official High School and College Transcripts:** Arrange for official transcripts (sent directly from a school) to be sent from high school and all colleges or universities previously or currently attended. If taking a **math or science course in spring 2024**, high school or transfer students should submit a spring class schedule or a transcript that lists spring semester courses to receive points for math and science courses.

Transcripts may be mailed to Kent State University Ashtabula Campus, 3300 Lake Road West, Ashtabula, Ohio 44004. If transcripts sent electronically may be sent directly to Kent State University Ashtabula Campus.

**All transcripts must be received by Kent State no later than February 1<sup>st</sup>.**

Applicants who have previously attended or are currently attending any campus of Kent State University need not submit transcripts.

**TRANSFER STUDENTS:** Students transferring credits from another college or university have all official transcripts sent. Once notification of acceptance to Kent State and transfer credit evaluation are received, the student should make an advising appointment with the radiology program director. The applicability and final determination of transfer credit rests with Kent State University. Students may go to: <https://www.kent.edu/credittransfer> as a guide to potential applicability of transfer credits and equivalent courses.

**Step 3: Complete Basic Skills Assessment Testing (Accuplacer & ALEKS Testing)**  
Before program acceptance, applicants must demonstrate competence for college level coursework in reading, writing and math by doing the following:

The KSU admissions office will review a student's high school and/or college grades and/or ACT scores and/or college transfer courses, if applicable, to determine placement in reading or writing before College Writing I. Some students may be placed into Core or Critical Reading or Intro to College Writing course. Students with a specified level of ACT scores or students who have successfully completed College Writing I/English Composition I at another university are exempt from this evaluation.

Complete online ALEKS testing to determine placement in math courses as required. Students testing into developmental math courses (MATH 00020, 00021, 00022) must complete them in the first year at any KSU campus. Students who have successfully completed college algebra (equivalent to KSU MATH 11009 or 11010) at another college/university are exempt from testing. Testing must be done by **Feb. 1**.

## **Radiologic Technology Application/Program Requirement Checklist**

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The online application form for the KSU Ashtabula Radiologic Technology program is available from November 1<sup>st</sup> to February 1<sup>st</sup>: <https://www.kent.edu/ashtabula/rad-tech> (Select the Apply Now to Radiologic Technology link). There is no fee to apply.

**Before completing the online application**, use this checklist to make sure you have met program admission requirements and completed the application process.

<b>Complete?</b>	<b>Application/Program Admission Checklist</b>
	My most recent GPA by the end of Fall 2023 is at least 2.75
	I have an algebra course in high school or college with a grade of C or higher
	I have completed or will complete a biology course in high school or college with a grade of C or higher by the end of fall semester 2023
	I have completed or will complete a chemistry course in high school or college with a grade of C or higher by the end of fall semester 2023
	I have or will have completed 4 hours of job shadowing by February 1, 2024 I understand that an additional 4 hours of shadowing will assign me 2 points
	I have or will have attended a radiologic technology information session by February 1, 2024. Attendance at a session is valid for 2 years
	I have read the information on points assigned toward acceptance
	I have or will be <b>admitted</b> to Kent State University by February 1, 2024
	My transcripts will be received by Kent State University by February 1, 2024

**Application Status:** Allied Health Administrative Clerk Theresa Hootman will confirm receiving your application through your **Kent State e-mail**. [thootma1@kent.edu](mailto:thootma1@kent.edu) or 440-964-4252.

## **Application Review**

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The admissions committee of the Radiologic Technology program will review applications and transcripts in early February.

A percentage of applicants with the highest points are interviewed in February or March. **Approximately 15-20 students are selected into the program.** Clinical education sites have limited availability, restricting the number of students chosen.

Details regarding interview appointment as well as program acceptance or denial will be sent directly to the student's kent.edu mail. **Kent State University utilizes the kent.edu email as a formal means of communication.**

Pursuant to Federal Regulations & State Law, KSU is committed to providing all person's equal access to its programs and investigation of alleged complaints of discrimination without regard to race, color, religion, age, gender, sexual orientation, national origin, disability, or identification as a disabled veteran or veteran of the Vietnam era.

### **Change of Program to Change Major to Radiologic Technology**

Applicants may complete a Change of Program to change their major to Radiologic Technology. This provides information to Financial Aid that courses are being pursued toward a specific major. This change

does NOT signify that you are accepted into the radiologic technology program since the program has a selective admission process. Go to Flashline, select the student tab, then advising and GPS tab. Choose link to: Change Undergraduate Program. Select change program. In the drop-down box type radiologic technology AAS and choose Ashtabula Campus. Follow remaining instructions.

## **Interview and Applicant Selection Process**

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Applicants receive **points** toward acceptance based on information below:

**Cumulative Grade Point Average (GPA):** Points are assigned to the **most recent** cumulative GPA of 2.75 and above, based on the cumulative GPA and the number of credit hours completed. More points are assigned for higher GPA's and more credit hours. High school students who are currently enrolled in College Credit Plus (CCP) will receive points for their high school GPA and number of college credit hours completed.

**Math and Science Courses:** Points are assigned to math and sciences courses based on the grades received from high school and/or college. Courses that are repeated and included in the cumulative GPA will have the grade averaged.

Point assignment: A = 4 points, B = 3 points, C = 1 point, D or F = 0 points

1. Math: Grades from the 3 most recently completed courses.
2. Biology: Grades from the 2 most recent completed courses in biology
3. Chemistry: Grades from the 2 most recent completed courses
4. Physics: Grade from the most recent course. A physics course is not required for the degree; however, completion of a course may earn additional points. Suggested courses: PHY11030 Seven Ideas That Shook the Universe or PHY 21430, Frontiers in Astronomy.

\*If there are not 2 completed biology or chemistry courses and the student registers for an additional science in Spring 2024, two points will be awarded for that course.

**Information Session Attendance:** two points are assigned for attending a session that offers information on the Associate Degree in Radiologic Technology. **All information sessions will be held in person, but remote access will be available through Zoom or Teams meetings.** Presentation dates are available on the website <https://www.kent.edu/ashtabula/rad-tech>. Please contact the Administrative Clerk for Allied Health Programs, Theresa Hootman [thootma1@kent.edu](mailto:thootma1@kent.edu) or 440-964-4252 for reservations. A Zoom or Teams meeting invitation will be sent to you once a reservation is confirmed. Only one session, within two years of the application deadline, is required to receive points. Applicant's signature of attendance is required.

**Job shadowing:** applicants must complete 4 hours to meet application requirements. Applicants completing 8 hours will receive 2 additional points. Job shadowing is valid for 2 years.

**Employment Status:** Points are assigned for work experience. Full-time employment is considered at least 32 hours per week.

**Medical Employment** (direct patient contact): full time = 4 points, part time = 3 points.

**Nonmedical Employment:** full time = 2 points, part time = 1 point.

## **Interviews, Clinical Placement, Acceptance, Alternates**

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**Interviews:** After program officials review points, a percentage of applicants with the highest points who meet program admission requirements will be sent information via KSU email concerning a clinical and campus interview. Points are based on cumulative grade point average, math and science grades, job shadowing and work experience if applicable.

**Campus Interview:** The campus interviews are scheduled in late February and early March by the program faculty. Final selection is based on points listed above and points from the campus interview. The number chosen is based on student capacity at each clinical site.

**Notification of Acceptance:** Notification of acceptance or non-acceptance will be sent via your Kent State e-mail address in March.

**Clinical Placement:** Attempts are made to place students close to home, but some students may need to travel 30-75 minutes to attend a clinical education site.

### **KSU Ashtabula Clinical Education Sites Include:**

Ashtabula County Medical Center and Plaza  
Metro Health Parma Medical Center  
UH Lake Health Mentor Medical Campus  
UH Lake Health Tripoint Medical Campus  
UH Lake Health West Medical Campus  
UH Ahuja Medical Center  
UH Beachwood Medical Center  
UH Concord Health Center  
UH Conneaut Medical Center  
UH Euclid Health Center  
UH Geauga Medical Center  
UH Geneva Medical Center  
UH Mayfield Village Health Center  
UH Twinsburg Health Center  
UH Westlake Health Center  
Western Reserve Hospital

**Alternates:** Some alternates are selected to replace an applicant who does not accept program placement. Alternates may be able to replace an applicant up to the program start date.

**Non-accepted students:** Those who are not accepted may reapply and should seek advisement from the Radiologic Technology academic advisor.

## Program Requirements and Fees for Accepted Students

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Accepted students must have a **minimum of 2.75 cumulative GPA by the end of spring** before admittance into the technical study of the radiologic technology major.

**Attend Orientation Meeting in mid-May:** Accepted students must attend an orientation meeting in mid-May to schedule summer semester courses and to discuss program admission requirements, clinical dress codes, ordering scrubs and program policies.

**Scrubs:** Students must purchase KSU royal blue scrubs at a cost of approximately **\$150-170** for 2 sets of scrubs and a lab jacket (the higher cost will be for larger-sized scrubs). Details and instructions are provided at the orientation in May.

**Castle Branch Record Keeping Service:** The program uses Castle Branch to maintain records for immunizations, physicals, background checks, drug screening and CPR. The approximate cost is **\$43**.

**Electronic federal and state criminal background checks** must be completed before the start of the program. The approximate cost of each background check is **\$72**. Applicants must **fully disclose any misdemeanor or felony records** and seek advisement from the radiology program director prior to applying. Those with records will be advised to contact the American Registry of Radiologic Technologists Ethics Committee before the program start at <https://www.arrt.org/>.

**Drug screening** must be completed by Quest Labs. The approximate cost is **\$41**. Information on scheduling appointments at Quest lab locations will be given at a meeting with the clinical coordinator. Students must receive a negative drug screen for final program acceptance. Contact the clinical coordinator for questions.

**A physical exam and evidence of standard immunizations:** Costs are paid by students independently. Minimum requirements:

- Physical exam within 12 months of program start.
- Immunization records: tetanus booster, MMR, Varicella (chicken pox) or titers completed.
- Completion of 2 step TB (PPD) test within 12 months of program start.
- Hepatitis B vaccination is optional but encouraged.
- An annual flu shot (to be completed in fall 2024)
- COVID-19 vaccination

**BLS-CPR Certification:** Accepted students must be certified by the program start and maintained throughout the program. Certification is offered by the American Heart Association and requires the BLS Provider level. CPR certification classes are to be scheduled by accepted students in May, before program entry. The approximate cost is **\$40**. Instructions are provided to accepted students in April or May.

## **Pregnancy Policy**

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### **For Applicants and Students Enrolled in the Radiologic Technology Program**

If a student does suspect she is pregnant before entering or while enrolled in the program and chooses to declare her pregnancy, she is allowed to make an informed decision based on her individual needs and preferences. The University offers the following options:

**Written notice of voluntary declaration:** the female student would provide written notification of the pregnancy to the program director. It would indicate the expected due date. If the student chooses to disclose her pregnancy, she must immediately notify the Clinical Coordinator and the Program Director. The student will be provided with Regulatory Guide 8.13 Instruction Concerning Prenatal Radiation Exposure with its appendix of the United States Nuclear Regulatory Commission. The student must then sign a witnessed "Attest" form that was read and discussed. In the absence of this voluntary, written disclosure, a student cannot be considered pregnant.

The student will also be required to follow the National Council on Radiation Protection and measurement (NCRP) dose limits for the embryo and fetus in occupational exposed women, which is no more than 0.05 REM (500 mREM) during the entire gestational period and no more than 0.05 REM (500 mREM) in any month, both with respect to the fetus. It is the policy of the program to instruct all students on radiation protection procedures with respect to the embryo/fetus.

#### **Voluntary declaration has the following options:**

- a. **Continuing the educational program with modification** in clinical assignments. The program would offer clinical component options such as clinical reassignments from areas such as fluoroscopy, mobile procedures and nuclear medicine.
  - 1) The student who chooses to disclose her pregnancy and continue at the clinical site will be required to wear an additional dosimeter for fetal dose measurement if the clinical site does not provide a dosimeter for her.
  - 2) Any time missed from clinical education must be made up per the attendance policy. Graduation depends on the student meeting all didactic and clinical requirements.
- b. **Continuing the educational program without modification** in clinical assignment or interruption. The clinical coordinator would maintain the standard clinical rotations through all areas.
- c. **Leave of Absence from the program:** If the student takes a leave of absence from the program, the place of re-entry would depend on many factors. Students may be placed at the beginning of the program or somewhere within the program based on their academic and clinical status and standing when leaving.

**Option for written withdrawal of declaration:** A student may withdraw declaration of pregnancy at any time during the pregnancy. The revocation of pregnancy declaration notifies the program of the student's choice to revoke her previous election to apply federal and/or state radiation dose limits to an embryo/fetus as a condition of her radiation related clinical experiences in the program.

Neither Kent State University Ashtabula Campus nor the student's assigned Clinical Education Setting will be responsible for radiation injury to the student or the embryo/fetus if the student chooses to continue in the program during pregnancy.

## **Radiologic Technology Program Technical Standards**

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The Radiologic Technology program at Kent State University has established essential functional requirements necessary for enrolled students to acquire the knowledge, skills, competencies and values of an entry level radiologic technologist. The technical standards of admission are not intended as a complete listing of behaviors required but are a sampling of the types of abilities needed to meet program objectives and requirements. The Radiologic Technology program or their affiliated clinical education settings may identify additional critical behaviors or abilities to meet program or clinical site requirements and reserves the right to amend this listing based on the identification of additional standards for students.

The following essential functions must be met by all students after acceptance into the major in order to complete the program. In the event that a student is unable or becomes unable to fulfill these technical standards with or without reasonable accommodations, the student cannot enroll or remain enrolled in the program. Following acceptance into the program, students are required to verify that they understand and meet these standards or that they believe that, with certain accommodations, they can meet the standards. For students who believe they can meet these standards with accommodation, a KSU Student Disabilities Coordinator will validate their need for accommodation and will work with the program to determine if reasonable accommodation can be made. This will take into account if the accommodation would jeopardize technologist/patient safety or undercut a vital element of a course or clinical experience.

### **Radiologic Technology students must demonstrate:**

1. Sufficient **communication skills** to communicate effectively and sensitively with patients, health care professionals and the public, including individuals from different cultural and social backgrounds and in stressful and emergency situations. Students must be able to understand and speak the English language at a level consistent with competent professional practice. Must be able to document patient information legibly and accurately.
2. Sufficient **sight** to read requisitions & charts, observe conditions of the patient in low levels of light; to evaluate medical images on view boxes and on computer screens and to record information clearly and accurately.
3. Sufficient **hearing** to interact with and respond to patients as well as to the audible sounds of equipment.
4. Ability to **stand and walk** while assigned to a clinical education setting so as to perform medical imaging procedures in an appropriate and effective manner.
5. Ability to **lift, assist and maneuver** patients in wheelchairs, carts and imaging tables without injury to patient, self or other healthcare workers and to respond to medical emergencies in an effective manner. Have sufficient motor skills to manipulate and reach equipment and to operate small controls. Must be able to **lift a minimum of 20 pounds to shoulder height**. Perform CPR, first aid & general patient care.
6. Ability to **assimilate, analyze, synthesize, integrate concepts** and solve problems found in medical imaging and to be able to distinguish deviations from the norm.
7. Have the intellectual and emotional skills to **exercise discretion** in handling confidential medical information.
8. Have the **cognitive ability** to perceive and deal appropriately with environmental threats and stresses and continue to function safely and effectively during high stress periods.
9. Able to **protect** oneself and others from hazards in the health care environment, such as infectious disease, contaminated equipment, sharp instruments, chemical fumes, magnetic fields and radiation.

## Curriculum: Developmental and General Studies Courses

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The radiologic technology curriculum is provided by the American Society of Radiologic Technologists ([www.asrt.org](http://www.asrt.org)) and is two years in length once accepted into the program. Applicants are encouraged to take the following courses **before program admission**. This allows accepted students to focus on radiologic technology courses during the program with greater success. Completion of these courses does not guarantee admission into the program.

### Developmental Courses

The following is a list of developmental courses that may be required for the applicant to take based on ACT scores or high school and/or grades or through ALEKS math computerized testing. Testing is not necessary if transferring in English and/or Math courses from another college or university or through CCP.

All developmental courses must be completed within the first 29 hours of coursework at Kent State University and all attempts to complete these courses should be made prior to program start. Applicants requiring developmental coursework who have not completed any of the general courses may not be accepted into the program because of the course overload required. Instead, the applicant should complete the required courses and reapply the following year.

- RC 00003 Core Reading Strategies
- RC 00006 Critical Reading Strategies
- ENG 01001 Introduction to College Writing-S (Stretch)
- MATH 00020, 00021, and 00022, Pre-Algebra and Basic Algebra I-II. Each module is 7.5 weeks with students working at their own pace.

### Required General Courses

The following courses may be taken **before** admission into the program **or during** the course sequence for the degree in Radiologic Technology as long as the applicant meets program admission requirements in algebra, biology, and chemistry.

- UC 10001 Flashes 101
- BSCI 11010/11020 Foundational Anatomy and Physiology I and II or BSCI 21010/21020 Anatomy and Physiology I and II
- CHEM 10050 Fundamentals of Chemistry or CHEM 10055 Molecule of Life
- ENG 11011 College Writing I or ENG 11002 College Writing I Stretch
- HED 14020 Medical Terminology (preferred course) or AHS 24010 Medical
- MATH 10772 Modeling Algebra Plus or MATH 11009 Modeling Algebra
- PSYC 11762 General Psychology
- One Kent Core Humanities or Fine Art course

### Kent State University Kent Core Requirements

The list of Kent Core coursework with course descriptions may be found here (Refer to the A.A.S degree): <https://catalog.kent.edu/undergraduate-university-requirements/kent-core/>

A full list of Kent Core courses for the A.A.S. degree in Radiologic Technology may be found here: <https://provostdata.kent.edu/roadmapweb/05/Kent-Core-2022-associate.pdf>

**Transfer Courses:** please see page 6 for transfer student transcript information.

## Radiologic Technology Two Year Course Sequence for 2024 – 2026

1 <sup>st</sup> Summer	Course Number	Course Name	Credit Hour	Days of the Week
<b>First Year</b> Summer I Semester (5 weeks)	* AHS 24010	*Medical Terminology (or)	1	Online
	* HED 14020	*Medical Terminology	3	Online
	* UC 10097	*Flashes 101	1	See course schedules.
	RADT 14003	Introduction to Radiologic Tech.	2	T, W, R, F
1 <sup>st</sup> Summer			2-6	
<b>First Year</b> Summer III Semester (5 weeks)	RADT 14005	Clinical Education I	1	M, R, F: 7.5 hours each day
	RADT 14006	Radiographic Procedures I	1	T, W
Semester One			2	
<b>First Year</b> Fall Semester (15 weeks)	*BSCI 11010	* Foundational Anatomy and Physiology I	3	TBA
	RADT 14015	Clinical Education II	3	M, W, F: 7.5 hours/day
	RADT 14016	Patient Care Management	2	T, R
	RADT 14018	Imaging Equipment	2	T, R
	RADT 14021	Radiographic Procedures II	4	T, R
Semester Two			11-14	
<b>First Year</b> Spring Semester (15 weeks)	*CHEM 10050 (or)	*Fundamentals of Chemistry (or)	3	TBA
	*CHEM 10055	*Molecules of Life (C or ↑ in Math before)	3	TBA
	*BSCI 11020	* Foundational Anatomy and Physiology II	3	TBA
	RADT 14024	Radiographic Procedures III	4	T, R
	RADT 14025	Clinical Education III	3	M, W, F: 7.5 hours/day
	RADT 14034	Image Acquisition & Processing	2	T, R
2 <sup>nd</sup> Summer			9-15	
<b>Second Yr.</b> Summer II Semester	*ENG 11011	*College Writing, I	3	TBA
	*Hum/Fine Art	*Kent Core Humanities or Fine Art	3	TBA
	RADT 14085	Clinical Education IV	2	M, T, W, F: 7.5 hours/day R Class Day
Semester			2-8	
<b>Second Yr.</b> Fall Semester (15 weeks)	*MATH 11009 (or)	* Modeling Algebra (or)	4	TBA
	*MATH 11010	* Algebra for Calculus	3	TBA
	RADT 24014	Advanced Imaging	2	W
	RADT 24008	Radiobiology and Radiation Protection	3	W, F
	RADT 24015	Clinical Education V	3	M, T, R: 7.5 hours/day
	RADT 24016	Imaging Physics	3	W, F
Semester Four			11-15	
<b>Second Yr.</b> Spring Semester (15 weeks)	*PSYC 11762	*General Psychology	3	TBA
	RADT 24028	Radiologic Pathology	3	W, F
	RADT 24025	Clinical Education VI	3	M, T, R: 7.5 hours/day
	RADT 24048	<b>Elective:</b> Radiologic Techniques	3	W, F
	RADT 24058	<b>Elective:</b> Diversified Employment Skills	3	W, F
			6-15	

\*Courses marked with a \* can be taken before entry into the Radiologic Technology program.

Students **may** complete Foundational Anatomy and Physiology I and II (BSCI 11010, 11020) or Anatomy and Physiology I and II (BSCI 21010, 21020) or ATTR 25057 and ATTR 25058 or EXSC 25057 and EXSC 25058 must be completed **with a C or better before RADT 24008** (maximum of 2 attempts) or the result will be program dismissal. **These courses must be completed within 5 years of the program's start.**

All Radiologic Technology (RADT) courses require admittance into the program and follow the prescribed sequence.

**CLINICAL HOURS:** A clinical day consists of 7.5 hours on the three clinical days of the week during fall and spring semesters. This time does not include the 0.5-hour lunch break.

**Note:** Students will be assigned clinical rotations for some weekend, afternoon and midnight shifts throughout the program.

Revised 2023

## **Radiologic Technology Two Year Course Sequence for 2024 – 2026**

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1. Summer I of the first year (5 weeks): Radiologic Technology courses are scheduled during daytime hours on Tuesday-Friday. Time of classes will vary each day.
2. Summer III of the first year (5 weeks): A Radiologic Technology course and labs are scheduled on Tuesdays & Wednesdays. Students attend their clinical education site on Mondays, Thursdays, and Fridays.
3. Fall and spring semesters of the first year (15 weeks each): Radiologic Technology and Biology courses and labs are scheduled during daytime hours on Tuesdays and Thursdays. Students attend their clinical education site on Mondays, Wednesdays and Fridays.
4. Summer II of the second year (8 weeks): Students attend the Ashtabula campus on Thursdays and attend their clinical education site on Mondays, Tuesdays, Wednesdays, and Fridays.
5. Fall and spring semesters of the second year (15 weeks each): Radiologic Technology courses are scheduled on Wednesdays and Fridays. Students attend their clinical education site on Mondays, Tuesdays, and Thursdays.

Clinical assignments consist of 7.5-hour days. Most assignments are during daytime shifts however students are assigned to a **limited amount of afternoon and midnight shifts** during the program. If a student is employed (i.e., McDonalds, Giant Eagle, etc.), the **work hours must be scheduled around the program's clinical schedule**. Kent State University Ashtabula is a **smoke free campus**. Most clinical sites require students to be **non-smokers**.

## **National Certification and State License Requirements**

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### **National Certification Requirements**

After successful completion of all degree requirements, graduates of the program will be permitted to take the *American Registry of Radiologic Technologists* ([www.arrt.org](http://www.arrt.org)) certification examination upon authorization by the program director. Application fee: **\$225**.

Students who have been **convicted of a misdemeanor or felony crime** may or may not be able to take this examination based on a review by the ARRT ethics review board that determines eligibility. An application to this review board would be completed at the start of the program for those students accepted into the program who have a conviction. The ARRT web site ([www.arrt.org](http://www.arrt.org)) has more information under their Ethics tab.

### **State Licensing Requirements**

Graduates of the program who wish to be employed in the state of Ohio must obtain a state license as a radiographer from the Ohio Department of Health. Application fee: \$65

## Costs:

<b>Tuition</b>	\$16,044.24 (entire two years) *approximately
<b>Course Fees</b>	\$335.00 (Patient Care Management: \$35; Clinical Education I-VI: \$50 for each course. These fees pay for supplies and radiation monitoring badges.) *Included in tuition cost
<b>Books</b>	\$1,868.00 (ENTIRE TWO YEARS – cost includes Related Course Books & General Course Books (Kent Core & electives)
<b>Program Fees</b>	\$222.00 (Trajecsys \$150 and 2 <sup>nd</sup> background check \$72)
<b>Castle Branch</b>	\$43.00
<b>Initial Background Check</b>	\$72.00
<b>AHA: BLS/CPR</b>	\$40.00
<b>Urine Drug Screen: 10 panel</b>	\$41.00
<b>Uniforms</b>	\$150.00-170.00 for 2 sets of scrubs and a lab jacket (the higher cost will be for larger-sized scrubs)
<b>OSRT (membership)</b>	\$30.00 (two years)
<b>ARRT Exam</b>	\$225.00
<b>Ohio License</b>	\$65.00
<b><u>Approximate Program Cost:</u></b>	\$19,135.24 Entire two-year program

## Student Commitment

1. The Radiologic Technology program at Kent State University Ashtabula Campus is a **rigorous** and comprehensive combination of academic course work, lab practice, competency demonstration and clinical education. Students must achieve a minimum of a '**C**' (2.0) grade in all "core" and designated coursework. **Courses in which a C- or below grade was earned will result in program dismissal.**
2. An extensive amount of verbal, non-verbal and written communication is required as well as critical thinking, problem solving, organization, and time management skills.
3. Regular attendance, study, and active participation in all aspects of academic coursework is critical to the student's retention of information and academic success. The program's attendance policies for class and clinicals are more stringent than the overall University policy. Course grades are lowered for poor attendance. Students should pay special attention to the University Calendar to review holidays and breaks between semesters. Students should utilize this time for vacation.
4. While enrolled in clinical semesters, students are assigned rotations at one of the program's clinical education sites. The hours for clinical education vary by semester and clinical site but require the student to attend an approximate 7.5-hour day. Therefore, full-time employment is impossible. Part time employment must be scheduled so as not to interfere with class, lab, and clinical hours. It is recommended that part time hours do not exceed 20 hours per week to be successful in the program. Flexibility in one's work schedule is essential.
5. Clinical rotation schedules will be provided to students in advance to allow for planning work and personal schedules. During the entire clinical education, students should expect to rotate to different clinical sites in the area. Students must have reliable transportation and must be willing to commute to new or unfamiliar locations.
6. Job availability in radiography is cyclical in nature. Most previous graduates have secured part time positions, but some relocated to other areas within the state and several graduates have relocated outside the state. The program does not guarantee job placement but does inform graduates of employment opportunities when notified.

## Kent State Ashtabula Radiologic Technology Job Shadowing Instructions

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Contact the Allied Health Programs Administrative Clerk Theresa Hootman at [thootma1@kent.edu](mailto:thootma1@kent.edu) for any questions/concerns.

**Please follow these directions:**

**1. Schedule your job shadowing in advance of the February 1<sup>st</sup> application deadline.**

It is recommended to schedule your job shadowing during fall and spring semesters when current radiology students may also be at the clinical site.

**Contact information of clinical sites affiliated with KSU Ashtabula. State you are requesting to complete job shadowing in the x-ray department.**

**You may need to leave a message – make sure you record your name and phone number slowly and clearly.**

**Contact information for clinical sites:**

Ashtabula County Medical Center (Hospital): Brock Ostavitz: 440-997-6686  
Ashtabula County Medical Center (Plaza): Jessica Baldwin: 440-997-6686  
UH Lake Health West: Bryan Pankuch: 440-953-6080  
UH Conneaut: Jenna Saksa: JRsaksa@kent.edu  
UH Geauga: Kaitlyn Lucarelli: 440-285-6386  
UH Geneva: Jenna Saksa: JRsaksa@kent.edu  
Western Reserve Hospital: Jeff Edgell: 330-971-7372

- 2. Print and bring Shadowing Documentation form:** Take the documentation form with you to have the assigned radiologic technologist at the clinical site document your job shadowing experience. Print and bring 1 Evaluation form: take the evaluation form to the clinical site and submit it to the radiologic technologist assigned to you. Upon completion, the technologist will fax the form to us. Please read the evaluation form to view characteristics to be evaluated on. These are reviewed when selecting students.
- 3. Dress code:** When attending a hospital to complete the job shadowing or observation, applicants must dress appropriately. Professional attire includes dress pants with a short or long sleeve shirt and appropriate shoes (white athletic shoes with minimal colors are acceptable). Applicants must not wear T-shirts, sleeveless, halter or low-cut tops; jeans or shorts; sandals or open-toed shoes. No nose rings or facial piercings. Two earrings per ear are acceptable but must not be hoop or dangling styles. No large jewelry of any kind is permitted. All tattoos must be covered. No extreme hair colors. No perfume or colognes or scented lotions. Nail color must be neutral. Applicants who dress in an unprofessional manner will not be permitted to complete the job shadowing experience. No cell phone usage is permitted during the observation.
- 4. Code of Conduct:** As a visitor it is expected that the applicant will respect the employees' efforts to always conduct themselves as courteous professionals. Although the student experience is observation only, the job shadowing program is intended to be an interactive learning process with the opportunity for student-professional-patient interactions. Students must keep all information confidential to ensure patient privacy.
- 5. HIPAA:** all information must be kept confidential to ensure patient privacy by following HIPAA policies.
- 6. Cell Phone/Smart Watch use:** these devices must be silenced and stowed away during shadowing.
- 7. Infection Control:** Infection Control is always important to an applicant's well-being and the patient. Hand washing is an important method to prevent infection for the applicant and the patient so wash hands frequently.
- 8. Flu shots** are required for the current flu season (October to March).
- 9. Breakfast:** It is recommended that applicants **eat breakfast** prior to shadowing to prevent light-headedness.

## **Kent State Ashtabula Radiologic Technology Shadowing Documentation Form**

Applicant's Name: \_\_\_\_\_ Date: \_\_\_\_\_  
(Print Last Name, First Name)

Applicant's Signature: \_\_\_\_\_

**Shadowing Documentation Form:** take this documentation form to the healthcare facility and have the assigned radiologic technologist sign it to document your job shadowing experience.

4 hours of job shadowing by the application deadline: February 1  
(Any additional 4 hours of shadowing, student will receive 2 extra points in the application process.)

<b>Name of Healthcare Facility</b> Location: City/State	<b>Date of Shadowing</b>	<b>Hours Completed</b>	<b>Printed Name of Radiologic Technologist</b>	<b>Signature of Radiologic Technologist</b>
<b>SAMPLE:</b> <i>ACMC Ashtabula, Ohio</i>	<i>1/5/2023</i>	<i>4</i>	<i>Jane Smith</i>	<i>Jane Smith, R.T.</i>

**Keep a copy for your records and submit to Theresa Hootman for verification/proof of shadowing experience by February 1<sup>st</sup>.**

Theresa Hootman, Allied Health Programs Administrative Clerk  
Fax: 440-964-4355  
Email: [thootma1@kent.edu](mailto:thootma1@kent.edu)

**Kent State University – Ashtabula Campus**  
**Associate of Applied Science Degree in Radiologic Technology**  
**Job Shadowing Evaluation Form: Four Hours**

**Part I – For the Applicant:** Print this form for each job shadowing experience. Be sure to print your name and phone number below, read and sign the waiver statement if applicable, and write the name of the healthcare facility attended. Submit this form to the radiologic technologist observing you.

Applicant's Name: \_\_\_\_\_ Cell Phone Number \_\_\_\_\_  
(Print Last Name, First Name)

Applicant's Email: \_\_\_\_\_

**Waiver:** *I waive the right to review this completed form in order to afford an unbiased evaluation.*

Applicant Signature: \_\_\_\_\_ Date \_\_\_\_\_

**Name of Healthcare Facility:** \_\_\_\_\_

**Part II – For the Radiologic Technologist:** Please complete the following evaluation of the applicant. The form will be reviewed and kept confidential by the admissions committee. *Deadline to submit is February 1<sup>st</sup>.*

**Please circle the characteristic that best evaluates the applicant during this shadowing:**

Characteristics	Exceeds Expectations	Meets Expectations	Does Not Meet Expectations
<b>Punctuality</b>	Applicant arrived on time	Applicant was 5 minutes late	Applicant was late 10 or more minutes
<b>Professional Appearance</b>	Appearance was appropriate & professional	Appearance was somewhat appropriate and professional	Appearance was inappropriate and unprofessional
<b>Interest in radiology procedures</b>	Applicant showed a great deal of interest in the procedures performed	Applicant was somewhat interested in the procedures performed	Applicant demonstrated little interest in the procedures performed
<b>Interaction and Concern for the Patient</b>	Applicant interacted well and showed genuine concern for the patient	Applicant had some interaction and showed some concern for the patient	Applicant had limited interaction and showed little concern for the patient
<b>Communication Skills</b>	Applicant was well spoken with very good communication skills	Applicant had average speaking and communication skills	Applicant had limited speaking and communication skills
<b>Professional Conduct</b>	Professional conduct and behavior were very good.	Professional conduct and behavior were acceptable	Professional conduct and behavior were inappropriate
<b>Overall Impression</b>	Applicant made a very good impression Good Candidate	Applicant made a good impression Average Candidate	Applicant made a poor impression Poor candidate

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Printed Name of Evaluating Technologist: \_\_\_\_\_

Technologist Signature: \_\_\_\_\_ Date \_\_\_\_\_

**Technologists:** Please email [thootma1@kent.edu](mailto:thootma1@kent.edu) or fax 440.964.4355 this form to Theresa Hootman

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**Kent State University – Ashtabula Campus**  
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Applicant's Email: \_\_\_\_\_

**Waiver:** *I waive the right to review this completed form in order to afford an unbiased evaluation.*

Applicant Signature: \_\_\_\_\_ Date \_\_\_\_\_

**Name of Healthcare Facility:** \_\_\_\_\_

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<b>Overall Impression</b>	Applicant made a very good impression Good Candidate	Applicant made a good impression Average Candidate	Applicant made a poor impression Poor candidate

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Printed Name of Evaluating Technologist: \_\_\_\_\_

Technologist Signature: \_\_\_\_\_ Date \_\_\_\_\_

**Technologists:** Please email [thootma1@kent.edu](mailto:thootma1@kent.edu) or fax 440.964.4355 this form to Theresa Hootman

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