RADIOLOGIC TECHNOLOGY

Associate of Applied Science Degree

Program Information Packet
For Class Beginning Summer 2024

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Radiologic Technology Program Website:
https://www.kent.edu/columbiana/radiologic-technology-aas

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

The Associate of Applied Science Degree in Radiologic Technology

Thank you for your interest in the Radiologic Technology program at the Salem 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 70 applications were submitted in 2023 by those who met the program requirements, and a percentage of the student positions available, received an interview, followed by the acceptance of approximately 24 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 Salem 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 a radiologic technologist 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
> Phone: 312-704-5300
> 20 N. Wacker Drive, Suite 2850, Chicago IL 60606

State Accreditation: Ohio Department of Health
> Phone: 614-644-2727

Bachelor in Radiologic and Imaging Sciences Technology Degree

This degree is only offered at the Kent State University – Salem Campus and require 120 credit hours for graduation. There are (4) concentrations to choose from:

Computed Tomography (CT) Technologist: Performs CT scans that image sectional views of internal structures. Applicant must be a certified radiologic technologist, nuclear medicine technologist or radiation therapist prior to program start. The program includes a certificate or bachelor's degree option. Coursework is 100% online with clinical time at a local healthcare facility.
Website: https://www.kent.edu/columbiana/computed-tomography-ct

Magnetic Resonance Imaging (MRI) Technologist: Performs MRI exams using a combination of strong magnetic currents and radio waves to obtain images of internal structures. Applicant must be a certified radiologic technologist, nuclear medicine technologist, diagnostic medical sonographer, or radiation therapist prior to program start. The program includes a certificate or bachelor's degree option. Coursework is 100% online with clinical time at a local healthcare facility.
Website: https://www.kent.edu/columbiana/magnetic-resonance-imaging-mri

Contact Dr. Sherri Cole for CT and MRI program information: sray10@kent.edu

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Diagnostic Medical Sonographer (DMS): Perform exams using sound waves to produce internal images of the human body. DMS is offered as a concentration in the Bachelor of Radiologic and Imaging Sciences at KSU Salem. Student must be near senior year status in college or beyond to apply. Application deadline is April 1st.
Website: https://www.kent.edu/columbiana/dms-or-ultrasound
Contact Cyndi Peterson for program information at clpeters@kent.edu.

Radiation Therapist: Radiation therapy treats cancer and other diseases in patients by administering radiation treatments. Radiation Therapy is offered as a concentration in the Bachelor of Technology degree in Radiologic and Imaging Sciences at KSU Salem. Student must be near senior year status in college or beyond to apply. Application deadline is April 1st.
Website: https://www.kent.edu/columbiana/radiation-therapy-program
Contact Shellie Warino for program information at swarino@kent.edu

Diagnostic Medical Sonography and Radiation Therapy programs have (2) options:
Option I at KSU: Completion of a Radiologic Technology program and Kent Core courses followed by completion of the Radiation Therapy program.
Option II at KSU: Completion of three years of college in specific coursework that includes Kent Core courses and electives followed by the Radiation Therapy program.

Mission Statement of the Radiologic Technology Program

The mission of Kent State University Salem 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

1. Students will be able to utilize critical thinking and problem-solving skills effectively in the practice of radiologic technology.
    - **Learning Outcome**: Students will identify errors and perform corrective actions in positioning and image quality during image analysis.
    - **Learning Outcome:** Students will adapt procedures for non-routine patients.

2. Students will be able to communicate effectively in oral and written form with patients and members of the health care team.
    - **Learning Outcome:** Students will demonstrate effective oral communication skills. Students will demonstrate effective written communication skills.

3. Students will be able to perform radiographic procedures successfully and consistent with entry-level requirements of a registered radiologic technologist.
    - **Learning Outcome**: Students will accurately perform procedures in the clinical setting.
    - **Learning Outcome:** Graduates will satisfactorily perform procedures.

4. Students will be able to determine the value of professional growth and development and to conduct themselves in a professional manner.
    - **Learning Outcome**: Students will interpret, and critique professional conduct as demonstrated in the clinical setting.
    - **Learning Outcome:** Students will perform procedures in a professional

Program Effectiveness Data

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
2023	20/20 = 100%	20 took exam/20 passed = 100%	20/20 = 100%
2022	18/20 = 90%	18 took exam/17 passed = 94.4%	18/18 = 100%
2021	20/23 = 86.9%	20 took exam/20 passed = 100%	18/18 = 100%
2020	19/19 = 100%	19 took exam/19 passed = 100%	19/19 = 100%
2019	15/20 = 75.0%	15 took exam/15 passed = 100%	14/14 = 100%
	5-year Program Completion Rate: 91/98 = 92.8%	**5-year ARRT Pass Rate: 91 took exam//90 passed exam = 98.9%**	**5-year Job Placement Rate: 91/91 = 100%**

Admission Requirements

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 prior to program start.

Algebra with a grade of "C" or better
> 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.
> At Kent State University, students who test into MATH 00020 or 00021 (Pre-Algebra or Basic Algebra I) must complete them with a grade of C or better to meet the math pre-requisite prior to 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
> 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.
> Recommended course is BSCI 10001, Human Biology prior to 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
> 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.
> 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 is MATH 10772 Modeling Algebra Plus.

Cumulative Grade Point Average of at least 2.75 (on a 4.00 scale) from your **most recent** education record. 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.

Job Shadowing: 4 hours of job shadowing are **required** to meet application requirements. See pages 18-21 for more information.

Admission Requirements Continued

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

Some sessions are presented in-person at the Salem Campus and/or remotely (virtually). An on-demand option is also available throughout the year for those who cannot attend an in-person or remote session. For those completing the on-demand information session, a quiz must be taken with a passing score of 94% or higher. For dates/times, go to https://www.kent.edu/columbiana/radiologic-technology-aas.

Application Process

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 1st**. 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 Salem Campus, 2491 State Route 45 South, Salem, Ohio 44460**.** Transcripts sent electronically may be sent directly to Kent State University.

All transcripts must be received by Kent State no later than February 1st.

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 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.

Application Process Continued

Step 3: <u>Complete Basic Skills Assessment Testing (Accuplacer & ALEKS Testing)</u>

Prior to 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 prior to 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 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

The online application form for the KSU Salem Radiologic Technology program is available from November 1 to February 1st: https://www.kent.edu/columbiana/radiologic-technology-aas
(Select the <u>Apply Now to Radiologic Technology</u> 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.

Complete?	Application/Program Admission Checklist
	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 **admitted** to Kent State University by February 1st, 2024
	My transcripts will be received by Kent State University by February 1st, 2024

Application Status: Radiology secretary Sherry DeWitt will confirm receiving your application through your **Kent State e-mail.**

Application Review

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 24 students are selected into the program.** Clinical education sites have limited availability, restricting the number of students chosen.

Pursuant to Federal Regulations & State Law, KSU is committed to providing all persons 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 Salem Campus. Follow remaining instructions.

Interview and Applicant Selection Process

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 recent 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.

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

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.

> **Clinical Interview and Observation:** An additional observation with a clinical interview will be completed at one of our clinical sites.

> **Campus Interview:** The campus interviews are scheduled <u>in late February and early March</u> by program faculty and clinical preceptors. Final selection is based on points listed above and points from the campus and clinical interviews. 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 Salem Clinical Education Sites Include:

Summa Akron City Hospital	St. Elizabeth Boardman Hospital
Summa Barberton Hospital	St. Elizabeth Youngstown Hospital
East Liverpool City Hospital	St. Joseph Warren Hospital
Salem Regional Medical Center	Trumbull Regional Medical Center
Sharon Regional Medical Center (Sharon, PA)	UH Portage Medical Center

There are also some minor rotations at smaller facilities such as orthopedic offices or small clinics.

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

Accepted students must have a **minimum of 2.75 cumulative GPA by the end of spring** prior to 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** for 2 sets of scrubs and a lab jacket. Details and instructions are provided at the orientation in May.

CastleBranch Record Keeping Service: The program uses CastleBranch to maintain records for immunizations, physicals, background checks, drug screening and CPR at a cost of **$172** which is included as program fee. Federal and state background checks as well as the drug screening are included in the CastleBranch fee.

Electronic federal and state criminal background checks must be completed by Fast Fingerprints in early May at orientation. 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 prior to the program start at https://www.arrt.org/

Drug screening must be completed by Quest Labs. Information on scheduling appointments at Quest lab locations will be given in the acceptance letter. Students must receive a <u>negative</u> drug screen for final program acceptance. Contact the radiology secretary 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

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, prior to program entry. Approximate cost is $45. Instructions are provided to accepted students in April.

Trajecsys: This electronic documenting service is used for tracking student clinical attendance, evaluations, and competencies at a cost of **$150** for the program, included as a program fee.

Textbooks: For Radiologic Technology courses is approximately $1,500.

Course Fees for Radiologic technology courses: Patient Care Management: $33; Clinical Education I-VI $50 for each course. The fees pay for patient assessment/vital sign supplies for labs and radiation monitoring badges.

Tuition for the associate degree if completed in 2 years is approximately $16,700. This varies based on the number of courses needed each semester and can increase if online courses are taken. Sharon Regional Medical Center students have additional costs for Pennsylvania requirements. Other clinical sites may have additional immunizations or other requirements.

Pregnancy Policy

For Applicants and Students Enrolled in the Radiologic Technology Program

Options:
No declaration of pregnancy. The student progresses through the program with no declaration to program or clinical personnel. No change in rotations.

Written notice of voluntary declaration.
USNRC: Declared pregnant woman means a woman who has voluntarily informed the licensee, in writing, of her pregnancy and the estimated date of conception. The declaration remains in effect until the declared pregnant woman withdraws the declaration in writing or is no longer pregnant. If the student chooses to disclose her pregnancy, she must immediately provide written notification to the Program Director and the Clinical Coordinator. The notice would indicate the expected due date. Declaration allows the student to make an informed decision based on her individual needs and preferences.

The student will be provided with USNRC 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 0.5 rem during the entire gestational period and no more than .05 rem 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:
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. The student will be required to purchase and wear an additional dosimeter for fetal dose measurement if the clinical site does not provide a dosimeter for her. Any time missed from clinical education must be made up per the attendance policy. Graduation depends on meeting all didactic and clinical requirements.

Continuing the educational program without modification in clinical assignment or interruption. The clinical coordinator would maintain the standard clinical rotations through all areas.

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 Salem 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

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 maneuve**r 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

The radiologic technology curriculum is provided by the American Society of Radiologic Technologists (www.asrt.org) and is two years in length once accepted into the program. Applicants are encouraged to take the following courses prior to 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 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 student working at own pace. MATH 00023 is offered at some KSU Regional Campuses but at Salem it is part of MATH 10772 Modeling Algebra Plus.

Required General Courses
The following courses may be taken **prior to** 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

Students enrolled in the Radiologic Technology program should expect a combination of class and clinical days Monday through Friday for the duration of the program.

Program Schedule by Semester	Course Number	Course Name	Sem. Hrs.	Days of the Week for Campus and Clinical** R = Thursdays
First Year Summer Summer I – III Semesters (10 weeks)	*AHS 24010 or HED 14020 *UC 10001 RADT 14003 RADT 14005 RADT 14006	*Medical Terminology *Flashes 101 Introduction to Radiologic Technology Clinical Education I Radiographic Procedures I	1 or 3 1 2 1 1	M, T, W, R, F R, F (8 weeks) M, W
		Total for summer	6-8	
First Year Fall Semester (15 weeks)	*BSCI 11010 *MATH 10772 or 11009 RADT 14016 RADT 14018 RADT 14021 RADT 14015	*Foundational Anatomy & Physiology I *Modeling Algebra Plus or Modeling Algebra Patient Care Management Imaging Equipment Radiographic Procedures II Clinical Education II	3 5 or 4 2 2 4 3	M, W M, W M, W M, W T, R, F
		Total for fall	18	
First Year Spring Semester (15 weeks)	*CHEM 10050 or 10055 *BSCI 11020 RADT 14034 RADT 14024 RADT 14025	*Fundamentals of Chemistry or Molecules of Life *Foundational Anatomy & Physiology II Image Acquisition and Processing Radiographic Procedures III Clinical Education III	3 3 2 4 3	M, W M, W M, W T, R, F
		Total for spring	15	
Second Year Summer II Semester (8 weeks)	Hum/Fine Art RADT 24014 RADT 14085	*Kent Core Humanities or Fine Art Advanced Imaging Clinical Education IV	3 2 2	R M, T, W, R, F
		Total for summer	7	
Second Year Fall Semester (15 weeks)	*ENG 11011 RADT 24008 RADT 24016 RADT 24015	*College Writing I Radiobiology and Radiation Protection Imaging Physics Clinical Education V	3 3 3 3	T T, R M, W, F
		Total for fall	12	
Second Year Spring Semester (15 weeks)	*PSYC 11762 RADT 24028 RADT 24025 RADT 24048 RADT 24058	*General Psychology Pathology in Medical Imaging Clinical Education VI Elective: Radiologic Techniques Elective: Diversified Employment Skills	3 3 3 3 3	T, R M, W, F T, R T, R
		Total for spring	9-15	

*These courses may be taken prior to entry or during the Radiologic Technology program. Students should seek advisement from the Radiologic Technology Academic Advisor for these courses.
All RADT courses listed require admittance to the program and must follow the stated sequence.

Radiologic Technology Two Year Course Sequence for 2024 – 2026

Anatomy and Physiology Courses: Students may take Foundational Anatomy and Physiology I & II prior to the program start. The following courses are acceptable substitutions: BSCI 21010, 21020 Anatomy and Physiology I/II or ATTR/EXSC 25057/25058 Human Anatomy and Physiology I/II. The anatomy and physiology courses must be taken within the past **five years** prior to program admission.

Clinical Schedule
Clinical assignments typically consist of 8.5-hour days that include lunch. The majority of clinical time is scheduled during daytime shifts, however students are assigned to a limited amount of afternoon and midnight shifts during the program. If a student is employed outside of the program, the work hours must be scheduled around the program's clinical schedule.

Smoking: KSU Salem is a smoke-free campus. All clinical site grounds are smoke free.
Many of the program's clinical sites will not hire graduates who test positive for nicotine.

National Certification and State License Requirements

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) 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) 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

Kent State Salem Radiologic Technology Job Shadowing Instructions

Contact radiology secretary Sherry Dewitt at sdewitt@kent.edu for any questions/concerns.

Please follow these directions:

Step 1: Schedule your job shadowing in advance of the February 1st 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 Salem. State you are requesting to complete job shadowing in the x-ray department.
You may need to leave a message – make sure your you record your name and phone number slowly and clearly.

East Liverpool City Hospital Prime Healthcare   asmith26@primehealthcare.com
     Alicia Smith, Clinical Preceptor
Salem Regional Medical Center   330.332.7636   Human Resource Department
St. Elizabeth Boardman Hospital   330.480.2220   Radiology Department
St. Elizabeth Youngstown Hospital   330.480.2220   Radiology Department
St. Joseph Warren Hospital   330.480.2220   Radiology Department
UH Portage Medical Center*   330.297.2956   Radiology Department
     *UH Portage requires: COVID vaccination documentation, a negative 2-Step TB testing within the last 6 months, and a flu shot during the flu season (October-March)
Summa Health-Akron City Hospital-Website link: https://www.summahealth.org/about-us/about-summa/volunteering-at-summa
When applying for shadowing at Summa-Akron City-state *Kent State Radiology Shadowing Program*, to be exempt from 20 volunteer service hours. A Volunteer Specialist will contact you to set up an interview date. At that time, a background check will be done on you and you will go to the badge office, and employee health on the same day. The required online orientation will be done on your own. Once all information is received, student will be considered on-boarded and can begin shadowing. Volunteer services will work with the Radiology manager to set up the shadowing experience.

Step 2: Print and take <u>Shadowing Documentation Form</u>: Have the evaluating technologist date and sign this form. Keep a copy for your records and turn in one copy to Sherry DeWitt for verification/proof of shadowing experience.

Print and take (1) <u>Evaluation Form</u>: submit to the radiologic technologist assigned to you on the day of your shadowing experience. 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.

Job shadowing must be completed within the last 2 years of program application.

Kent State Salem Radiologic Technology Job Shadowing Instructions

Shadowing Experience Guidelines

    Dress Code: Applicants must dress in a professional manner to include dress/casual and appropriate shoes (athletic shoes are acceptable). Open shoes are not acceptable. Perfume/scented lotions should be mild.

    Cell Phone/Smart Watch Use: These devices must be silenced and stowed away during shadowing. The use of electronic devices while shadowing will reflect on your evaluation by the technologist.

    Code of Conduct: As a visitor it is expected that the applicant will respect the employees' efforts to conduct themselves as courteous professionals. Although the student experience is observation only, the job shadowing program is intended to be an interactive learning process. You are encouraged to interact with technologists and students (if present) and ask questions during your shadow experience.

    HIPAA: All information must be kept confidential to ensure **patient privacy** by following HIPAA policies.

    Infection Control: Infection control is always important to an applicant's and patient's well-being. Hand washing is an important method to prevent infection to the patient and applicant so wash hands frequently. Some facilities may require that a mask be worn. Applicants will not participate in any radiology exam of a known COVID-19 patient.

    Flu shot is required for the current flu season (October to March).

    Breakfast: It is recommended that applicants **eat breakfast** prior to shadowing to prevent light-headedness.

Kent State Salem Radiologic Technology Shadowing Documentation Form

Applicant's Name: _____   Date: _____
<div align="center">(Print Last Name, First Name)</div>

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.

Name of Healthcare Facility Location: City/State	Date of Shadowing	Hours Completed	Printed Name of Radiologic Technologist	Signature of Radiologic Technologist
SAMPLE: *Salem Regional Medical Center Salem, Ohio*	*1/5/2023*	*4*	*Jane Smith*	*Jane Smith, R.T.*

Keep a copy for your records and submit to Sherry DeWitt for verification/proof of shadowing experience by February 1st.

<div align="center">Sherry DeWitt, Radiology Secretary
Phone: 330-337-4227
Email: sdewitt@kent.edu</div>

Kent State University – Salem 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)

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 1st.

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

Characteristics	Exceeds Expectations	Meets Expectations	Does Not Meet Expectations
Punctuality	Applicant arrived on time	Applicant was 5 minutes late	Applicant was late 10 or more minutes
Professional Appearance	Appearance was appropriate & professional	Appearance was somewhat appropriate and professional	Appearance was inappropriate and unprofessional
Interest in radiology procedures	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
Interaction and Concern for the Patient	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
Communication Skills	Applicant was well spoken with very good communication skills	Applicant had average speaking and communication skills	Applicant had limited speaking and communication skills
Professional Conduct	Professional conduct and behavior were very good.	Professional conduct and behavior were acceptable	Professional conduct and behavior were inappropriate
Overall Impression	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 (sdewitt@kent.edu) or fax (330.337.4255) this form to Sherry DeWitt

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Kent State University – Salem Campus
Associate of Applied Science Degree in Radiologic Technology
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Comments:_____
_____
_____

Printed Name of Evaluating Technologist: _____

Technologist Signature: _____   Date _____

Technologists: Please email (sdewitt@kent.edu) or fax (330.337.4255) this form to Sherry DeWitt