RADIOLOGIC TECHNOLOGY

Associate of Applied Science Degree
Program Information Packet
For Class Beginning JUNE 8, 2023
Kent State University Ashtabula Campus

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The Radiologic Technology online application must be received by February 1, 2023
A. Introduction to Radiologic Technology at the Ashtabula Campus

Thank you for your interest in the Radiologic Technology program at the Ashtabula Campus of Kent State University. Graduates earn an Associate of Applied Science degree in Radiologic Technology (*66 semester hours). The program begins every June at the start of Summer I semester. Both the Ashtabula and Salem campuses offer this program and have separate accreditations. Please see www.salem.kent.edu for their program information.

The program educates students to perform radiologic procedures. Radiologic Technology is a branch of health care delivery that utilizes x-rays to aid in the diagnosis and treatment of medical conditions. Through a blend of classroom education at the Ashtabula Campus (during daytime hours only) 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.

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 receive 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 ratio.

Carefully read the following application packet for important information, especially the program admission requirements and the application process. Take note of deadlines for the application submission, KSU ALEKS and Accuplacer placement testing, and transcripts submission.

B. National and State Program Accreditation:

1. The Ashtabula and Salem programs are both nationally accredited by the Joint Review Committee on Education in Radiologic Technology and follow The Standards for an Accredited Educational Program in Radiologic Technology. Contact them at www.jrcert.org or by phone at: (312) 704-5300

2. The programs are registered and inspected by the Ohio Department of Health: https://odh.ohio.gov/wps/portal/gov/odh/know-our-programs/x-ray-equipment/xray-equipment-inspection.
C. Careers in Medical Imaging

Radiologic Technologist: Performs exams using x-ray equipment to obtain an image of a body part. KSU offers the Associate of Applied Science degree in Radiologic Technology at both the Ashtabula and Salem campuses. Graduates may pursue and advance career mobility in education, management, sales, application specialist, or cardiovascular interventional technology as well as other options listed below.

Mammography Short Term Certificate: Individuals completing the two didactic and one clinical mammography courses are eligible to apply to take the American Registry of Radiologic Technologist’s advanced certification in Mammography exam. Students who are in their second year of an accredited radiologic technology program may register for the courses with approval from their radiology program director. These courses will prepare the radiographer, or student radiographer in their second year, to be a member of the breast imaging team allowing the individual to provide patient education concerning breast cancer and early detection, take the patient history and prepare the patient for the examination, select the exam technical factors, position the patient for the exam, evaluate the images for diagnostic quality, and perform and evaluate quality control procedures.

Computed Tomography (CT) Technologist: Performs CT scans that image sectional views of internal structures. Applicant must be a radiologic technologist prior to program start. CT is offered as a concentration in the Bachelor of Technology degree in Radiologic and Imaging Sciences (BRIT) at KSU Salem.

Magnetic Resonance Imaging Technologist: Performs MRI exams using computers and a combination of strong magnetic currents and radio waves to obtain images of human anatomy. Applicant must be a radiologic technologist or nuclear medicine technologist prior to program start. MRI is offered as a concentration in the Bachelor of Technology degree in Radiologic and Imaging Sciences (BRIT) at KSU Salem.

Diagnostic Medical Sonographer (DMS): Perform exams by using sound waves (ultrasound) to produce internal images of the human body. Requires additional training or education or students may attend a separate program of study. DMS is offered as a concentration in the Bachelor of Technology degree in Radiologic and Imaging Sciences (BRIT) at KSU Salem.

Option I at KSU: Completion of a Radiologic Technology program and Kent Core courses followed by completion of the Diagnostic Medical Sonography program.

Option II at KSU: Completion of three years of college in specific coursework that includes Kent Core courses and electives followed by the DMS program. Contact Cyndi Peterson for information on the Diagnostic Medical Sonographer program at clpeters@kent.edu or at 330-337-4277.

Radiation Therapist: Administers radiation to benign (non-cancerous) or malignant (cancerous) lesions by using a strong radiation beam. Radiation Therapy is offered as a major in the Bachelor of Technology degree in Radiologic and Imaging Sciences (BRIT) at KSU Salem.

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. Contact Shellie Warino for information on the Radiation Therapy program at swarino1@kent.edu or at 330-337-4133.
D. The Mission of the Radiologic Technology Program

The mission of the Radiologic Technology program at Kent State University at Ashtabula 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.

E. Goals and Student Learning Outcomes: Radiologic Technology Program

Goal

1. Students will successfully perform radiographic procedures consistent with entry-level requirements of a registered radiologic technologist.

   Student Learning Outcome
   1. Students will apply positioning skills accurately.
   2. Students will select appropriate technical factors.
   3. Students will accurately utilize radiation protection.
   4. Students will demonstrate proficiency in performing radiographic exams.

Goal

2. Students will communicate effectively in oral and written form with patients, families, and members of the health care team.

   Student Learning Outcome
   1. Students will demonstrate oral communication skills.
   2. Students will demonstrate written communication skills.
   3. Students will display interpersonal skills with patients and staff.

Goal

3. Students will effectively utilize critical thinking and problem-solving skills in the practice of radiologic technology.

   Student Learning Outcome
   1. Students will critique images for radiographic quality.
   2. Students will identify the best method of treatment for a given case.
   3. Students will adapt positioning for trauma patients.

Goal

4. Students will determine the value of professional growth and development and conduct themselves in a professional manner.

   Student Learning Outcome
   1. Students will determine the importance of continued professional development.
   2. Students will analyze ethical dilemmas concerning professional behavior.
   3. Students will identify professional conduct as seen in the clinical setting.

Goal

5. Students will successfully complete all academic requirements for the Associate Degree in Radiologic Technology toward the practice of radiologic technology

   Student Learning Outcome
   1. Students will successfully complete assessment exams on the first attempt.
F. Radiologic Technology Program Effectiveness Data

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.

Kent State University at Ashtabula - Program Effectiveness Data

- **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 150% of 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 program’s completion rate. KSUA utilizes the official class roster date for the start of summer three semester.

<table>
<thead>
<tr>
<th>Year</th>
<th>ARRT Exam Pass Rate: # of students who took the ARRT exam and passed on first attempt within 6 months.</th>
<th>Job Placement Rate: # of graduates employed in radiology within 12 months.</th>
<th>Program Completion Rate: # of students who completed the program within 36 months/initial cohort.</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 2020</td>
<td>10 took exam/10 students passed 100%</td>
<td>10/10 students 100%</td>
<td>10/11 students 90.90%</td>
</tr>
<tr>
<td>May 2019</td>
<td>13 took exam/13 students passed 100%</td>
<td>12/12 students 100%</td>
<td>14/14 students 100%</td>
</tr>
<tr>
<td>May 2018</td>
<td>13 took exam/12 students passed 92.31%</td>
<td>11/11 students 100%</td>
<td>14/14 students 100%</td>
</tr>
<tr>
<td>May 2017</td>
<td>15 took exam/15 students passed 100%</td>
<td>15/15 students 100%</td>
<td>15/17 students 88.24%</td>
</tr>
<tr>
<td>May 2016</td>
<td>19 took exam/18 students passed 95%</td>
<td>16/16 students 100%</td>
<td>19/21 students 90.48%</td>
</tr>
<tr>
<td>5 Years 2016-2020</td>
<td>70 took exam/68 students passed 97.14%</td>
<td>64/64 students 100%</td>
<td>72/77 students 93.50%</td>
</tr>
</tbody>
</table>
G. Admission Requirements for 2023

Please review the following minimum requirements. It is the applicant's responsibility to review transcripts from high school and/or from college or university to determine eligibility in meeting program requirements. The completion of the minimum requirements does not guarantee an interview or acceptance into the program. Please submit a Radiologic Technology application only if you meet all of the following requirements:

1. **Graduation from High School** or completion of a successful GED exam prior to program start.

2. **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 2021. At Kent State, students must complete MATH 00021, 00022 (Basic Algebra I & II) with a grade of “C” or better to meet the math pre-requisite prior to the application deadline. Note that MATH 11009, Modeling Algebra, or MATH 11010, Algebra for Calculus, (if pursuing radiation therapy), must be completed before graduation.

3. **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 2022. Recommended course is BSCI 10001, Human Biology.

4. **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 2022.
   - Kent State students who did not complete high school chemistry or did not receive a grade of “C” or better are encouraged to take CHEM 10030, Chemistry in Our World, to be better prepared for CHEM 10055, Molecules of Life. MATH 00023, Basic Algebra III, must be completed with a grade of “C” or better if enrolling in CHEM 10050, Fundamentals of Chemistry.

5. **Cumulative Grade Point Average of at least 2.75** (on a 4.00 scale) from your most recent education record. (GPA used will also depend 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 2022.

6. **Eight hours of job shadowing is required.** See pages 19-23.
H. Application Process

Applicants who are applying to the radiologic technology program should follow the process below if applying for the program that begins June 8, 2023.

The following steps must be completed for your application to be processed:

**Step 1 Kent State University Application:**
Complete and submit the Kent State University Application for admission at [https://www.kent.edu/ashatabula/apply-now](https://www.kent.edu/ashatabula/apply-now) and pay the $40.00 application fee. This step is unnecessary if you are currently attending or have previously attended Kent State University and have not attended any other college or university since attending Kent. If you attended Kent State and then attended another college or university, you must reapply to Kent State.

**Step 2 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 mailing transcripts, have them sent to: Kent State University at Ashtabula, 3300 Lake Road West, Ashtabula, Ohio 44004. If transcripts are being sent electronically, have them sent directly to Kent State University Ashtabula.

a. Applicants who have previously attended or are currently attending any campus of Kent State University need not submit any transcripts.
b. For high school or transfer students, please ensure that all high school and/or college transcripts have been submitted to Kent State by February 1, 2023.
c. If taking a math or science course in spring of the year applying, high school or transfer students should submit a spring class schedule or a transcript that lists spring semester courses in order to receive points.

**Step 3 Complete Basic Skills Assessment Testing (ALEKS or Accuplacer Testing):**
Prior to acceptance into the Radiologic Technology program, applicants must demonstrate competence for college level coursework for reading, writing and math. This can be met by one of the following

a. Results of ACT, SAT, or COMPASS/ALEKS/Accuplacer assessment scores
b. Completion of all prescribed developmental coursework.
c. Completion of English I and college-level Algebra from another university.

Arrangements to take the ALEKS or Accuplacer test can be made by contacting the campus where you intend to take the test. At the Ashtabula Campus, call 440-964-4304. There is no fee for the test. These computerized tests determine English and Math course placement. The only applicants exempt from taking the test are those who have completed college level English and an Algebra course equivalent to KSU’s MATH11009, Modeling Algebra or MATH 11010, Algebra for Calculus.

Applicants are required to take the test prior to February 1, 2023.

High school seniors or applicants who have not yet completed the testing should schedule the test in January 2023. Practice test questions are available at the website: [https://www.act.org/content/act/en/products-and-services/the-act/test-preparation.html](https://www.act.org/content/act/en/products-and-services/the-act/test-preparation.html).
Step 4 Complete Radiologic Technology Application ONLINE:

The ONLINE APPLICATION FORM will be available for completion from November 1st to February 1st for the Radiologic Technology program. **No fee required. Before you attempt the online application, please be sure you have read the entire Information Packet.**

**Application Instructions:**
To be eligible for the Radiologic Technology Class of 2023, which begins **June 8, 2023,** students must complete all program admission requirements and submit the online application form by **February 1, 2023.** Acceptance into the program is a selective process, as outlined in this packet.

To access the online application from November 1st to February 1st, go to the following website: [https://www.kent.edu/ashtabula/rad-tech](https://www.kent.edu/ashtabula/rad-tech).

**Application Status:** to confirm that your application has been received, please contact Theresa Hootman, Allied Health Secretary at [thootma1@kent.edu](mailto:thootma1@kent.edu) or 440-964-4252.

**Please Note:** When completing the online application, please verify that you are completing the application for the **Ashtabula Campus RADT Program.** There is a separate application for the **Salem Campus RADT Program.**

I. Application Review

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

2. Approximately 40 applications are received annually. A percentage of applicants with the highest points are interviewed with **approximately 20 students selected.** Program clinical sites have limited availability, restricting the number of students chosen.

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

4. Pursuant to Federal Regulations and 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**
Applicants may complete a Change of Program to change their major to Radiologic Technology. This change does NOT signify that you are accepted into the radiologic technology program since the program has a selective admission process. Click on the following web link to begin the process: [https://www.kent.edu/registrar/manage-my-program#stuuse](https://www.kent.edu/registrar/manage-my-program#stuuse).
J. **Point System for Selection of Students**

Applicant will receive **points** based on information stated in the admission requirements:

1. **Cumulative Grade Point Average (GPA):** Points are assigned to cumulative grade point average of 2.75 and above based on the average and number of credit hours completed. More points are assigned for those with higher grade point averages and with more credit hours.

2. **Math and Science Courses:** Points are assigned to math and sciences courses based on the grades received from high school and/or college.

   - Grades from the **three** most recent completed courses in math.
   - Grades from the **two** most recent completed courses in biology.
   - Grades from the **two** most recent completed courses in chemistry.
   - Grade from **one** physics course such as PHY 11030 - 7 Ideas that Shook the Universe or PHY 21430 - Frontiers in Astronomy.
   - Two points each are assigned for math or science courses taken in the spring semester 2020 from a university. The course(s) may be counted as the second science or third math if necessary (see above).

3. **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](https://www.kent.edu/ashtabula/rad-tech). Please contact the program secretary, 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 **February 1, 2023**, deadline, is required to receive points. Applicant’s signature of attendance is required.

4. **Job Shadowing/Observing:** Eight hours of job shadowing in a radiology department within the last two years are **required** to apply. It is highly recommended that four hours be completed in one healthcare facility and four hours completed at a different healthcare facility which may or may not be affiliated with our program. It is the applicant’s responsibility to set up the job shadowing. A radiologic technologist must evaluate the applicant during the job shadowing using the forms on pages 19-23. Both forms must be submitted by **February 1, 2023**. To ensure availability, applicants are encouraged to complete job shadowing **before January 2023**.

5. **Employment Status:** Points are assigned for work experience.

   - one point for part-time non-medical employment,
   - two points for full time non-medical employment,
   - three points for part-time medical employment (caring for patients),
   - four points for full-time medical employment.
K. Interviews

1. After program officials review the points, the percentage of applicants with the highest points who have met the admission criteria will be sent a letter concerning the interview.

2. **Interviews will take place on Mondays in February and March** at the KSU Ashtabula campus. Points are based on cumulative grade point average, grades in math and sciences, job shadowing, information session attendance, and work experience if applicable. Final selection is based on points from those items previously listed as well as from points from the campus. The number of students selected is based on student capacity at each clinical site.

3. Applicants are **notified** of acceptance or non-acceptance by your **official Kent email** in early April. Some **alternates** are selected during the process to replace any applicant who does not accept placement into the program. Alternates are only able to replace an applicant up to the start of the program (**June 8, 2023**). Those applicants who are not accepted may reapply and should seek advisement from the Radiology Program Director. **NOTE:** There is **no waiting list**. Students who continue to take open enrollment classes listed in the RADT curriculum will have a stronger application for next year.

L. Program Acceptance Requirements for Accepted Students

1. **Orientation Meeting in May:** Accepted students must attend an **orientation meeting** in mid-May to schedule classes for summer and fall semesters and to discuss program admission requirements, dress codes for clinical sites and program policies.

2. **BLS-CPR Certification:** Students accepted into the program must be certified in BLS-CPR by the program start and maintained throughout the program. Certification is offered by the American Heart Association. Level of certification required: Healthcare Provider. The program schedules a BLS-CPR certification class in late May for accepted students. Cost is approximately $40.00.

3. **Electronic federal and state criminal background checks** must be completed prior to the start of the program. Background checks are conducted at the KSU Ashtabula Campus during the orientation meeting in May. The cost is approximately $78 for both background checks. Applicants must **fully disclose any misdemeanor or felony records**. Applicants must seek advisement from the radiology program director prior to applying to the program. Those with a record will be advised to contact the American Registry of Radiologic Technologists Ethics Committee prior to the program start. ([www.arrt.org](http://www.arrt.org)).

4. **Drug screening** must be completed through a Quest lab (approximate cost $43). Information on scheduling appointments will be given during the orientation meeting in May. Students must receive a negative 10 panel drug screen for final acceptance to the program.

5. **Physical exam & evidence of immunizations.** Students must have a physical exam and have a 2-step TB (PPD) test within 12 months of program start. Hepatitis B vaccine or signed waiver. Tetanus booster within the last 10 years. MMR (if born after 1956, two doses of live vaccine on or after first birthday; if born before 1956, one dose of live vaccine on or after first birthday (or titer). Varicella by history, titer or two Varivax vaccine injections given one month apart.
M. 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. If 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, the KSU Ashtabula Student Accessibility Coordinator will validate their need for accommodation and will work with the program to determine if reasonable accommodation can be made. This accommodation will consider whether accommodation would jeopardize technologist/patient safety or undercut an essential 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 and 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 on equipment. Must be able to lift a minimum of 20 pounds to shoulder height. Perform CPR, first aid and general patient care.
6. Ability to assimilate, analyze, synthesize, integrate concepts and problem solve that form the basis of 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.
N. Pregnancy Policy

For Applicants and Students Enrolled in the Radiologic Technology Program

If a student does suspect she is pregnant prior to 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 0.5 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:

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.

Revision: 2014
0. **Curriculum: Developmental and General Studies Courses**

The radiologic technology curriculum is provided by the American Society of Radiologic Technologists (www.asrt.org). It is two years in length once accepted into the program. However, applicants are encouraged to take the following courses *prior to program admission*. Accepted students may then focus on the radiologic technology courses while in the program, leading to greater success. Completion of these courses does not guarantee admission into the program.

1. **Developmental Courses**

   The following is a list of developmental courses that may be required for the applicant to take based on the scores achieved on the Basic Skill Assessment Test (COMPASS) and ALEKS computerized testing or ACT scores. This test is done for placement in English and Math courses. 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 admission into the radiologic technology program. 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.

   - **US 00003 Reading Strategies**
   - **US 00006 Study Strategies**
   - **ENG 01001 Introduction to College Writing-S (Stretch)**
   - **MATH 00020, 00021, 00022, 00023 Pre-Algebra, Basic Algebra I-III**
     
     Each module is 7½ weeks in fall or spring with student working at own pace.
     
     MATH 00024 is required only for those pursuing Algebra for Calculus.

2. **Required General Courses**

   The following courses may be taken *prior to* admission into the program OR *during* the course sequence for the Associate of Applied Science in Radiologic Technology as long as the applicant meets program admission requirements in algebra and chemistry.

   - **US 10097 Destination Kent: First Year Experience**
   - **MATH 11009 Modeling Algebra** OR **MATH 11010 Algebra for Calculus**
     
     (MATH 11010 is only required for students applying for Radiation Therapy in the Bachelor of Radiologic and Imaging Sciences degree)
   - **CHEM 10055 Molecules of Life** OR **CHEM 10050 Fundamentals of Chemistry**
   - **ENG 11011 College Writing I** OR **ENG 11002 College Writing I Stretch**
   - **HED 14020 Medical Terminology** OR **AHS 24010 Medical Terminology**
   - **PSYC 11762 General Psychology**
   - **One Kent Core Humanities or Fine Art course (see page 15)**

3. **Recommended (but not required) courses prior to program start:**

   - **BSCI 10001 Human Biology** (if transcript shows only one biology course or a low biology grade in high school or college)
   - **CHEM 10030 Chemistry in Our World** (if transcript shows no high school chemistry or a low chemistry grade in high school or college)
   - **PHY 11030 7 Ideas that Shook the Universe** OR **PHY 21430 Frontiers in Astronomy for those with only one biology or one chemistry course.**

4. **Transfer Courses:** go to [www.kent.edu/transfercenter](http://www.kent.edu/transfercenter) to check information about course transfers from other colleges or universities in Ohio or other states. Student transcripts are evaluated by the Transfer Center at the Kent Campus. Approximately 70% of the transfer course content must match the equivalent course at Kent.
P. Radiologic Technology Two Year Sequence of Courses for 2022-2024

<table>
<thead>
<tr>
<th>1st Summer</th>
<th>Course Number</th>
<th>Course Name</th>
<th>Credit Hours</th>
<th>Days of the Week</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong>&lt;br&gt;Summer I Semester</td>
<td>* AHS 24010 (or) 14020 10097 14003</td>
<td>Medical Terminology (or) Medical Terminology Destination Kent State 1st year experience Introduction to Radiologic Tech.</td>
<td>1 3 1 2</td>
<td>Online Online See course schedules. M, T, W, F</td>
</tr>
<tr>
<td><strong>1st Summer</strong></td>
<td></td>
<td></td>
<td>4-7</td>
<td></td>
</tr>
<tr>
<td><strong>First Year</strong>&lt;br&gt;Summer III Semester</td>
<td>*Hum/Fine Art RADT 14005 14006</td>
<td>Kent Core Humanities or Fine Art Clinical Education I (begins 5th week of Summer I) Radiographic Procedures I</td>
<td>3</td>
<td>See course schedules. M, R, F: 7.5 hours each day T, W</td>
</tr>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td><strong>First Year</strong>&lt;br&gt;Fall Semester</td>
<td>*BSCI 11010 RADT 14015 14016 14018 14021</td>
<td>Anatomy &amp; Physiology I for Allied Health Clinical Education II Patient Care Management Imaging Equipment Radiographic Procedures II</td>
<td>3 3 2 2 4</td>
<td>T, R M, W, F: 7.5 hours each day T, R T, R</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
<tr>
<td><strong>First Year</strong>&lt;br&gt;Spring Semester</td>
<td>*MATH 11009 (or) 11010 BSCI 11020 RADT 14024 14025 14034</td>
<td>Modeling Algebra (or) Algebra for Calculus Anatomy &amp; Physiology II for Allied Health Radiographic Procedures III Clinical Education III Image Acquisition &amp; Processing</td>
<td>4 3 3 4 3</td>
<td>TBA TBA T, R T, R M, W, F: 7.5 hours each day T</td>
</tr>
<tr>
<td><strong>2nd Summer</strong></td>
<td></td>
<td></td>
<td>15-16</td>
<td></td>
</tr>
<tr>
<td><strong>Second Yr.</strong>&lt;br&gt;Summer II Semester</td>
<td>*ENG 11011 RADT 14085</td>
<td>College Writing, I Clinical Education IV</td>
<td>3 2</td>
<td>See course schedule. M, T, W, F: 7.5 hours/day R Class Day (campus)</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td><strong>Second Yr.</strong>&lt;br&gt;Fall Semester</td>
<td>*CHEM 10050 (or) 10055 RADT 24014 24008 24015 24016</td>
<td>Fundamentals of Chemistry (or) Molecules of Life Advanced Imaging Radiobiology and Radiation Protection Clinical Education V Imaging Physics</td>
<td>3 3 2 3 3</td>
<td>T, R T, R W W, F M, T, R: 7.5 hours each day W, F</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
<tr>
<td><strong>Second Yr.</strong>&lt;br&gt;Spring Semester</td>
<td>*PSYC 11762 RADT 24028 24025 24048 24058</td>
<td>General Psychology Radiologic Pathology Clinical Education VI Elective: Radiologic Techniques Elective: Diversified Employment Skills</td>
<td>3 3 3 3 3</td>
<td>W, F W, F M, T, R: 7.5 hours each day W, F W, F</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9-15</td>
<td></td>
</tr>
</tbody>
</table>

* 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 with a C or better prior to the program start. They must be completed within 5 years of the program start. Also, BSCI 11010 +11020 or BSCI 21010+ BSCI 21020 or ATTR 25054 + ATTR 25058 or EXSC 25057 + EXSC 25058 must be completed with a grade of C or better prior to the start of the second year of the program or the result will be program dismissal.

** 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.

All Radiologic Technology (RADT) courses require admittance into the program and follow the prescribed sequence.
### KENT STATE UNIVERSITY 2022-2023 KENT CORE REQUIREMENTS

#### KENT CORE REQUIREMENT FOR A.A.B., A.A.S. AND A.T.S. DEGREES

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mathematics and Critical Reasoning (KMC)</strong></td>
<td>3 credit hours</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts (KHM / KFA)</strong></td>
<td>3 credit hours</td>
</tr>
<tr>
<td><strong>Social Sciences (KSS)</strong></td>
<td>3 credit hours</td>
</tr>
<tr>
<td><strong>Basic Sciences (KBS / KLAB)</strong></td>
<td>3 credit hours</td>
</tr>
</tbody>
</table>

#### Notes:
- Courses separated by an “or” are equivalent or have overlapping content; only one course can be used towards graduation.
- Science-related major course; NOT recommended for non-science majors.

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**First Year Requirement**

All undergraduate students are required to complete UC 10007 Destination Kent State: First Year Experience (1 credit) with the following exceptions:
- Students designated by Kent State admissions as adult (21+ years or older) or
- Students who transfer 25 or more semester credit hours, excluding credit earned through College Credit Plus.
R. **Program Schedule***

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 & Wednesdays.

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 Mondays and attend their clinical education site on Tuesdays, Wednesdays, Thursdays, 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.** Most clinical sites require students to be **non-smokers.**

S. **National Certification and State License Requirements**

1. **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 of the program director. Application fee: $200.

   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.

2. **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.
T. Other Program Fees:

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$17,542.51 (entire two years) *approximately</td>
</tr>
<tr>
<td>Course Fees</td>
<td>$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</td>
</tr>
<tr>
<td>Books</td>
<td>$1,868.00 (ENTIRE TWO YEARS – cost includes Related Course Books &amp; General Course Books (Kent Core &amp; electives)</td>
</tr>
<tr>
<td>Application Fee</td>
<td>$40.00 (application to KSUA)</td>
</tr>
<tr>
<td>Program Fees</td>
<td>$228.00 (Trajecsys and 2nd background check)</td>
</tr>
<tr>
<td>Initial Background Check</td>
<td>$78.00</td>
</tr>
<tr>
<td>AHA: BLS/CPR</td>
<td>$40.00</td>
</tr>
<tr>
<td>Urine Drug Screen: 10 panel</td>
<td>$36.00</td>
</tr>
<tr>
<td>CastleBranch</td>
<td>$35.00</td>
</tr>
<tr>
<td>Uniforms</td>
<td>$250.00-$300.00 (two years)</td>
</tr>
<tr>
<td>OSRT (membership)</td>
<td>$30.00 (two years)</td>
</tr>
<tr>
<td>ARRT Exam</td>
<td>$225.00</td>
</tr>
<tr>
<td>Ohio License</td>
<td>$65.00</td>
</tr>
<tr>
<td><strong>Approximate Program Cost:</strong></td>
<td><strong>$20,772.51</strong> Entire two-year program</td>
</tr>
</tbody>
</table>

U. 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 'D' or 'F' 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.

17
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**Kent State University Ashtabula Campus**  
**Radiologic Technology**  
**Job Shadowing Documentation**

Applicant’s Name ___________________________ Date ____________________
Applicant’s Email ___________________________

**Directions:** Fill in the information in the table below as seen in the example.  
When complete, submit form to KSU Ashtabula Radiologic Technology Program by the February 1st deadline.

<table>
<thead>
<tr>
<th>Name of Healthcare Facility</th>
<th>Date Hours Completed</th>
<th>Number of Hours Completed</th>
<th>Printed Name &amp; Phone Number of Technologist at Healthcare Facility</th>
<th>Signature of Technologist at Healthcare Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashtabula County Medical Center</td>
<td>1/8/2023</td>
<td>4</td>
<td>Jane Smith 330-555-5555</td>
<td>Jane Smith, R.T.</td>
</tr>
</tbody>
</table>

**Purpose:** To observe radiologic technologists performing radiology procedures in a healthcare setting.

**Job Shadowing Requirement:** 8 hours of job shadowing/observing are **required** for those applying to the Radiologic Technology program at Kent State Ashtabula Campus. It is **highly recommended** that four hours be completed in one healthcare facility and four hours completed at a different healthcare facility which may or may not be affiliated with our program. Applicants may call the radiology department at any local hospital to obtain permission to job shadow.

**Additional Job Shadowing Hours:** Applicants will receive **2 points** for 8 completed hours. Extra hours beyond eight will not provide more points. **Applicants must complete the additional four hours on a separate day.**

**Time Frame:** The shadowing must be within the last year of the February 1, 2023 application deadline.

**Evaluation Form:** Evaluation forms on pages 19 & 20 must be completed and returned by the application deadline. Each 4-hour job shadowing experience requires a separate evaluation form unless 8 hours are done at one time. The form must be given to the technologist evaluating the student. The technologist will fax the form to KSU Ashtabula.

**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.

**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.

**Infection Control:** Infection Control is always important to an applicant’s well-being and the patients. Hand washing is an important method to prevent infection for the applicant and the patient so wash hands frequently.

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

**Cell Phones:** must be stowed away when completing your job shadowing experience.

**Signature of applicant ________________________________**

**Form to be submitted to:**  
Theresa Hootman, Allied Health Secretary  
Fax: 440-964-4355  
Email: thootma1@kent.edu  
Kent State Ashtabula Campus  
3300 Lake Road West  
Ashtabula, Ohio 44004
(This page intentionally left blank)
Kent State University Ashtabula Campus
Associate of Applied Science Degree in Radiologic Technology
2023 Job Shadowing Evaluation Form

Part I—Applicant: Print your name and circle the number of hours shadowed below, sign the waiver statement and submit this form to the Radiologic Technologist observing you.

Applicant’s Name ___________________________ Circle Number of Hours Shadowed: 4 or 8
(Last Name, First Name)

Applicant’s Preferred Phone Number ___________________ Email __________________________

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

Signature of Applicant ___________________________ Date ______________

Part II: Technologist: Please complete the information below. The form will be reviewed and kept confidential by the admissions committee. Email or fax to number below by February 1st deadline.

Name of Facility ___________________________________________________________________________

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

<table>
<thead>
<tr>
<th>Arrival Time</th>
<th>Applicant arrived on time</th>
<th>Applicant was 5 minutes late</th>
<th>Applicant was late 10 or more minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Appearance</td>
<td>Appearance was appropriate</td>
<td>Appearance was somewhat appropriate</td>
<td>Appearance was inappropriate</td>
</tr>
<tr>
<td>Interest in radiology procedures</td>
<td>Applicant showed a great deal of interest in the procedures performed</td>
<td>Applicant was somewhat interested in the procedures performed</td>
<td>Applicant showed little interest in the procedures performed</td>
</tr>
<tr>
<td>Concern for the Patient</td>
<td>Applicant showed concern for the patient</td>
<td>Applicant showed some concern for the patient</td>
<td>Applicant showed little concern for the patient</td>
</tr>
<tr>
<td>Communication Skills</td>
<td>Communication skills were excellent</td>
<td>Communication skills were average/fair</td>
<td>Communication skills were poor</td>
</tr>
<tr>
<td>Professional Conduct</td>
<td>Professional conduct was appropriate</td>
<td>Professional conduct was somewhat acceptable</td>
<td>Professional conduct was inappropriate</td>
</tr>
<tr>
<td>Overall Impression</td>
<td>Applicant made a very good impression</td>
<td>Applicant made a good impression</td>
<td>Applicant made a poor impression</td>
</tr>
</tbody>
</table>

Comments: ____________________________________________________________________________

Printed Name of Evaluating Technologist ________________________________________________

Technologist Signature ____________________________________________ Date ______________

Fax or email form to Theresa Hootman, Allied Health Secretary at 440-964-4355 or thootma1@kent.edu
Part I—Applicant: Print your name and circle the number of hours shadowed below, sign the waiver statement and submit this form to the Radiologic Technologist observing you.

Applicant’s Name ____________________________  Circle Number of Hours Shadowed: 4  or 8  
(Last Name, First Name)

Applicant’s Preferred Phone Number ___________  Email ____________________________

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

Signature of Applicant ____________________________  Date ____________

Part II: Technologist: Please complete the information below. The form will be reviewed and kept confidential by the admissions committee. Email or fax to number below by February 1st deadline.

Name of Facility ___________________________________________________________________________

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

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Rating Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrival Time</td>
<td>Applicant arrived on time  Applicant was 5 minutes late  Applicant was late 10 or more minutes</td>
</tr>
<tr>
<td>Professional Appearance</td>
<td>Appearance was appropriate  Appearance was somewhat appropriate  Appearance was inappropriate</td>
</tr>
<tr>
<td>Interest in radiology procedures</td>
<td>Applicant showed a great deal of interest in the procedures performed  Applicant was somewhat interested in the procedures performed  Applicant showed little interest in the procedures performed</td>
</tr>
<tr>
<td>Concern for the Patient</td>
<td>Applicant showed concern for the patient  Applicant showed some concern for the patient  Applicant showed little concern for the patient</td>
</tr>
<tr>
<td>Communication Skills</td>
<td>Communication skills were excellent  Communication skills were average/fair  Communication skills were poor</td>
</tr>
<tr>
<td>Professional Conduct</td>
<td>Professional conduct was appropriate  Professional conduct was somewhat acceptable  Professional conduct was inappropriate</td>
</tr>
<tr>
<td>Overall Impression</td>
<td>Applicant made a very good impression  Applicant made a good impression  Applicant made a poor impression</td>
</tr>
</tbody>
</table>

Comments: ____________________________________________________________________________

Printed Name of Evaluating Technologist ____________________________________________

Technologist Signature ____________________________  Date ____________

Fax or email form to Theresa Hootman, Allied Health Secretary at 440-964-4355 or thootma1@kent.edu