

RADIATION THERAPY

Bachelor of Radiologic and Imaging Sciences Technology Degree

Program Information Packet for the 2024 Fall Semester



Shellie Warino, M.Ed., R.T. (R) (T) (ARRT)

Program Director, Radiation Therapy

☎ 330-337-4138

✉ swarino1@kent.edu

Kimberlyn Ragazzine, B.R.I.T., R.T. (R) (T) (ARRT)

Clinical Coordinator, Radiation Therapy

☎ 330-337-4133

✉ kkascsak@kent.edu

Kent State University – Salem Campus

2491 State Route 45

South Salem, Ohio 44460

Radiation Therapy Web Site: <http://www.kent.edu/columbiana/radiation-therapy-program>

The Bachelor of Radiologic and Imaging Sciences Technology Degree in Radiation Therapy

The Radiation Therapy Program is accredited by the JRCERT—Joint Review Committee on Educational Programs in Radiologic Technology and follows the standards for an Accredited Educational Program in Radiologic Sciences. The program is accredited by the Ohio Department of Health. The RIS in Radiation Therapy degree is offered only at Kent State University Salem campus. The program includes academic and clinical education five days per week during daytime hours. Placement in the Radiation Therapy Program is by selective admission.

JRCERT

20 N. Wacker Drive, Suite 2850

Chicago, IL 60606-3182

Phone: 312-704-5300

Fax: 312-704-5304

mail@jrcert.org

Options for Acceptance into the Radiation Therapy Program:

Option 1: Radiologic Technology Associate Degree program followed by Kent Core Requirements and 5 semesters of Radiation Therapy Courses

Option 2: Three years of general course work including Kent Core Requirements followed by 5 semesters of Radiation Therapy courses

Option 3: Hospital-Based Certificate Program in Radiologic Technology followed by completion of Associate Degree in Technical Studies.

Radiation Therapist Description:

Radiation therapists treat cancer and other diseases in patients by administering radiation treatments.

<https://www.bls.gov/ooh/healthcare/radiation-therapists.htm>

Mission Statement of the Radiation Therapy Program:

The mission of the radiation therapy program at Kent State University Salem Campus is to educate radiation therapy 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.

The Goals of the Radiation Therapy Program:

1. Students will be able to utilize critical thinking and problem-solving skills in radiation therapy.

Learning outcome: Students will identify & revise treatment errors.

Learning outcome: Students will assess, apply theory, & justify appropriate behaviors in the clinic.

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

Learning outcome: Students will demonstrate effective written communication skills.

Learning outcome: Students will demonstrate effective oral communication skills.

3. Students will be able to successfully perform radiation therapy procedures consistent with entry level requirements.

Learning outcome: Students will interpret the treatment chart and accurately set up the treatment

Learning outcome: Students will perform as an entry level therapist.

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

Learning outcome: Students will evaluate the importance of their professional development.

Learning outcome: Students will model positive professional behavior.

Program Effectiveness Data, as of July 2023:

Year	Program Completion Rate:		ARRT Exam Pass Rate: (When taken within 6 mos. of graduation for 1 st time examinees)	Job Placement Rate: (Actively seeking employment)*
	students that graduated/students initially enrolled in program		students that pass exam on the 1 st attempt/students who took the exam	# employed within 12 mos. Of December graduation
2017-2018	100%	(12/12)	100% 12 graduates took exam 12 graduates passed exam 1 st on attempt	100%
2018-2019	100%	(8/9)	88% 8 graduates took exam 7 graduates passed exam on 1 st attempt	100%
2019-2020	100%	(10/10)	80% 10 graduates took exam 8 graduates passed exam on 1 st attempt	100%
2020-2021	90%	(9/10)	89% 9 graduates took exam 8 graduates passed exam on 1 st attempt	100%
2021-2022	75%	(9/12)	89% 9 graduates took exam 8 graduates passed exam on the 1 st attempt	100%

Total 5 years	Program Completion		Pass rate		Job Placement
2018-2022	90.5%	(48/53)	86%	(43/48)	100%

*JRCERT defines 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.

Option 1: KSU Radiologic Technology → Radiation Therapy

- ❖ Complete an accredited associate degree radiologic technology program and American Registry of Radiologic Technologists (ARRT) certification in radiography (54 semester hours of RADT & BSCI courses at KSU).
- ❖ 38 Semester hours of Kent Core Requirements. These must include one global diversity and one domestic diversity course. See KSU catalog for list of Kent Core Requirements and diversity courses. Some of the following courses may have been previously completed in the associate degree program.
 - 6 semester hours: College Writing I and II
 - 4-5 semester hours: MATH 11009 Modeling Algebra (4) or Modeling Algebra Plus (5)
 - 6 semester hours: Social Sciences to include General Psychology
 - 9 semester hours: Humanities and Fine Arts
 - 6 semester hours: Sciences: BSCI 11010 & 11020 Foundational Anatomy & Physiology I & II
 - 6 semester hours: Other: COMM 15000 Intro to Communications//CHEM 10050 Fundamentals of Chem or CHEM 10055 Molecules of Life
- ❖ 43 hours of Radiation Therapy in the senior year (see page 6 for Radiation Therapy Courses).

Students must apply in their junior year and be accepted into the Radiation Therapy Program.

Associate of Applied Science Degree in Radiologic Technology: Curriculum

<http://catalog.kent.edu/colleges/ap/radiologic-technology-aas/#programrequirements>

Option 2: Radiation Therapy Only

(No previous radiologic technology education required in Option 2)

The first three years consist of the following courses:

- ❖ 1 semester hour of Destination Kent FYE US 10097
- ❖ 38-39 semester hours of Kent core Requirements. These must include two diversity courses-one global and one domestic. See KSU catalog for Kent core Requirements and diversity courses.
 - 6 semester hours of College Writing I and II
 - 4 semester hours: Modeling Algebra (4) or Modeling Algebra Plus (5)
 - 9 semester hours of Humanities and Fine Arts
 - 6 semester hours of Social Sciences to include General Psychology
 - 6-7 semester hours of Science to include:
 - BSCI 21010 Anatomy & Physiology I
 - BSCI 21020 Anatomy & Physiology II
 - PHY 13001 General College Physics I with lab total 5 semester hours OR
 - PHY 12111 Physics for Health Technologies-3 semester hours + 1 additional Basic Science
- 1. 6 hours of Additional courses:
 - COMM 15000 Introduction to Human Communication
 - Additional 3 hours of Kent Core
- ❖ 3 semester hours of IT 11000 Introduction to Office Productivity or CIS 24053 or CS 10001 Computer Course
- ❖ 3 semester hours of HED 14020 Medical Terminology
- ❖ Up to 30 semester hours of lower division electives
- ❖ 45 semester hours of Radiation Therapy and related courses (see page 6 for Radiation Therapy Courses).

Option 3: Hospital-based Radiologic Technology → Radiation Therapy

- ❖ Students who graduated from hospital-based radiologic technology programs will need to complete an associate degree in technical studies prior to application to the radiation therapy program.

RELATED COURSES FOR OPTION II

IT	11000	Introduction to Office Prod Apps.....	3
Or CIS	24053	Introduction to Computer Applications.....	3
Or CS	10001	Computer Literacy.....	3
HED	14020	Medical Terminology.....	3
PHY	12111	Physics for Health Tech.....	3

UNIVERSITY REQUIREMENT

(Not required of transfer students with 25 credit hours or students age 21+ at time of admission)

US	10097	Destination Kent First Year Experience.....	1
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COMPOSITION (KCMP) (6 hours)

ENG	11011	College Writing I.....	3 OR
ENG	11022	College Writing I-Stretch.....	3
ENG	21011	College Writing II.....	3
HONR	10197[297]	Freshman Honors Colloquium I, II (each).....	4

MATHEMATICS (KCMP) (3-4 hours)

MATH	10772	Modeling Algebra Plus.....	5
MATH	10774	Algebra for Calculus Stretch II.....	3
MATH	10775	Algebra for Calculus Plus.....	4
MATH	11009	Modeling Algebra.....	4
MATH	11010	Algebra for Calculus.....	3

HUMANITIES AND FINE ARTS (KHUM/FA) (9 hours)

(At least one course must be from the Humanities in the Art and Science area, and at least one course must be from Fine Arts)

HUMANITIES IN ARTS AND SCIENCES

AFS	G-23001	Black Experience I: Beginnings to 1865.....	3
AFS	D-23002	Black Experience II: 1865 to Present.....	3
CLAS	G-21404	The Greek Achievement.....	3
CLAS	G-21405	The Roman Achievement.....	3
ENG	21054	Introduction to Shakespeare.....	3
ENG	22071	Great Books to 1700.....	3
ENG	22072	Great Books since 1700.....	3
ENG	22073	Major Modern Writers: British and US.....	3
HIST	G-11050	World History: Ancient and Medieval.....	3
HIST	G-11051	World History: Modern.....	3
HIST	D-12070	Early America.....	3
HIST	D-12071	Modern America.....	3
PHIL	G-11001	Introduction to Philosophy.....	3
PHIL	G-21001	Introduction to Ethics.....	3
REL	G-11020	Introduction to World Religions.....	3
REL	G-21021	Comparative Religion.....	3

HUMANITIES IN COMMUNICATION AND INFORMATION

COMM	26000	Criticism of Public Discourse.....	3
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FINE ARTS IN FINE AND PROFESSIONAL ARTS

ARCH	10001	Understanding Architecture.....	3
ARCH	10011[2]	Global Architectural History I, II.....	3
ARTH	12001	Art as a World Phenomenon.....	3
ARTH	22006	Art History I: Ancient and Medieval Art.....	3
ARTH	22007	Art History II: Renaissance to Modern Art.....	3
ARTH	G-22020	Art of Africa, Oceania, and the Americas.....	3
DAN	G-27076	Dance as an Art Form.....	3
MUS	22111	The Understanding of Music.....	3
MUS	G-22121	Music as a World Phenomenon.....	3
THEA	G-11000	The Art of the Theatre.....	3

Note: Students must complete a two-course diversity requirement, consisting of one course with a domestic (D) focus and one with a global (G) focus.

SOCIAL SCIENCES (KSS) (6 hours)

PSYC	D-11762	General Psychology.....	3
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Select 1 course from the Kent Core Requirements in a discipline area other than Psychology:

ANTH	G-18210	Global Cultural Diversity: Anthropologic Perspective.....	3
ANTH	G-18420	Introduction to Archaeology.....	3
CRIM	26704	Issues in Law and Society.....	3
ECON	22060	Principles of Microeconomics.....	3
ECON	22061	Principles of Macroeconomics.....	3
ENVS	22070	Nature and Society.....	3
GEOG	10160	Introduction to Geography.....	3
GEOG	G-17063	World Geography.....	3
GEOG	D-17064	Geography of the US and Canada.....	3
GEOG	G-22061	Human Geography.....	3
GERO	D-14029	Introduction to Gerontology.....	3
MDJ	D-20001	Media, Power, and Culture.....	3
PACS	D-11001	Introduction to Conflict management.....	3
POL	G-10004	Comparative Politics.....	3
POL	D-10100	American Politics.....	3
POL	G-10500	World Politics.....	3
SOC	D-12050	Introduction to Sociology.....	3
SOC	G-22778	Social Problems.....	3

BASIC SCIENCES (KBS/KLAB) (6-7 hours)

FOR RTH OPTION I (RADT + RTH)

CHEM	10050	Fundamentals of Chemistry.....	3 OR
CHEM	10055	Molecules of Life.....	3
BSCI	10010[20]	Foundational Anatomy Physics I, II.....(each)	3

FOR RTH OPTION II (AS or Freshman Entry)

BSCI	21010	Anatomy and Physiology I, II.....(each)	4
	20120		

And choose from one other Kent Core Science:

..... 3

OTHER KENT CORE SCIENCE COURSES (KBS/KLAB)

ANTH	18630	Human Evolution.....	3
BSCI	10001	Human Biology.....	3
BSCI	10002	Life on Planet Earth.....	3
BSCI	10110[20]	Biological Diversity, Foundations.....(each)	4
CHEM	10030	Chemistry in Our World.....	3
CHEM	10031	Chemistry in Our World Lab.....	1
CHEM	10050	Fundamentals of Chemistry.....	3
CHEM	10055	Molecules of Life.....	3
CHEM	10060[61]	Gen Chemistry I, II.....(each)	4
ESCI	11040	How the Earth Works.....	3
ESCI	11041	How the Earth Works Lab.....	1
ESCI	11042	Earth & Life Through Time.....	3
ESCI	11043	Earth & Life Through Time Lab.....	1
ESCI	21062	Environmental Earth Science.....	3
GEOG	21080	All about the Oceans.....	3
GEOG	21062	Physical Geography.....	3
NUTR	23511	Science of Human Nutrition.....	3
PHY	11030	Seven Ideas that Shook the Universe.....	3
PHY	12201[2]	Technical Physics I, II.....	3, 4
PHY	13001[2]	General College Physics I, II.....(each)	5
PHY	13011[2]	College Physics I, II.....(each)	3
PHY	21040	Physics in Entertainment and the Arts.....	3
PHY	21041	Physics in Entertainment and the Arts Lab.....	1
PHY	21430	Frontiers in Astronomy.....	3
PHY	21431	Frontiers in Astronomy Lab.....	1
PHY	23101[2]	General University Physics I, II.....(each)	5

ADDITIONAL (KADL) (6 hours)

(Can include PHIL 11009, MATH 11022, MATH 12001, MCLS 20001)

COMM	15000	Introduction to Human Communication.....	3
			3

Radiation Therapy Course Sequence

Semester	Course Number	Course Name	Credit Hours	Days of the Week	
1 st Fall	RIS 44000	Intro to Radiologic and Imaging Sciences (option 2)	2	TBA: 1 st two weeks of semester	
	RIS 34003	RTh Principles and Practice I	3	T, R	10:30 – 11:45
	RIS 34004	RTh Patient Management	3	T, R	2:00 – 3:30
	RIS 34008	RTh Physics I	3	T, R	9:00 – 10:15
	RIS 34083	Sectional Anatomy	3	T, R	12:30 – 1:45
	RIS 34030	RTh Clinical Ed I	1	M, W Lab M, W	(1 st 7.5 weeks/ TBA) (2 nd 7.5 weeks/7.5 hours)
			Total: 13-15		
Spring	RIS 44009	RTh Principles & Practice II	2	T	12:00 – 1:45
	RIS 44018	RTh Physics II	3	T, R	8:45 – 10:00
	RIS 44029	RTh Pathology I	3	T, R	10:15 – 11:30
	RIS 44053	RTh Clinical Ed II	3	R Lab M, W, F	11:45 – 12:45 (7.5 hours)
	RIS 44098	Research/Medical Imaging	3	Online/Hybrid (at least one scheduled in-person/class meeting)	
			Total: 14		
Summer (10 Weeks)	RIS 44058	RTh Clinical Ed III	2	R lab M, W, F	8:30 – 10:00 (7.5 hours)
Summer (8 Weeks)	RIS 44028	RTh Radiobiology	3	T, R	T -8:30 – 11:00 R- 10:15 – 12:45
	RIS 44042	RTh Pathology II	3	T, R	T -11:30 – 2:00 R- 1:15 – 3:45
			Total: 8		
2 nd Fall	RIS 44038	RTh Physics III	3	M, W (1 st 7.5 weeks)	10:30 – 1:15
	RIS 44041	RTh Quality Management	2	M, W (1 st 7.5 weeks)	8:30 – 10:10
	RIS 44043	RTh Principles and Practice III Elective – Review Course	3	M, W (2 nd 7.5 weeks)	8:30 – 11:15 *Hybrid
	RIS 44067	RTh Clinical Ed IV	3	T, R, F	(7.5 hours)
			Total: 8-11		

Grading Scale:

All RIS courses that are not Radiation Therapy specific and do not include Radiation Therapy (RTh) in the title must earn a minimum grade of 78% C.

A	100-94	B-	85	D+	76
A-	93	C+	84	D	75-69
B+	92	C	83-78	F	< 68
B	91-86	C-	77		

All RIS courses that are radiation therapy specific and do include Radiation Therapy (RTh) in the title must earn a minimum grade of 80% C.

A	100-94	B-	85	D+	76
A-	93	C+	84	D	75-69
B+	92	C	83-80	F	< 68
B	91-86	C-	79-77		

Clinical Education Site Placement:

Students are assigned to clinical education settings in northeastern Ohio and/or western Pennsylvania by the program faculty. Each student will rotate to 2-4 different sites to ensure equitable educational experiences for a variety of radiation therapy procedures and equipment. All students must complete at least one rotation at either Cleveland Clinic Main Campus, UH Seidman Main Campus, or UPMC Shadyside in Pittsburgh.

For more information:

<https://www.kent.edu/columbiana/radiology/radiation-therapy-program/clinical-sites>

Certification after Graduation:

After successful completion of all degree requirements, graduates of the Radiation Therapy program are eligible to take the national certification examination, American Registry of Radiologic Technologists (ARRT). To maintain ARRT certification, an annual fee must be paid and an ARRT online form completed. Employers require proof of this process annually.

Students who have been **convicted of a misdemeanor or felony crime** may not be able to take a certification examination. Candidate eligibility is determined by the ARRT. An inquiry into the pre-application determination of eligibility process should be started as soon as possible. This process can take 30 days to six months and should be completed prior to beginning junior year coursework. Information is available at:

<https://www.rrt.org/pdfs/Ethics/Ethics-Review-Pre-Application.pdf>

Radiation Therapy Program KSU Salem Campus	Admission Requirements
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(Must be completed by the end of the spring semester 2024 unless otherwise noted)

1.	Grade Point Average: Applicants must have a minimum 2.75 cumulative GPA at application submission and must maintain 2.75 GPA at end of spring semester 2024
2.	Modeling Algebra with a grade of “C” or better
3.	Anatomy & Physiology I & II with a grade of “C” or better
4.	Fundamentals of Chemistry or Molecules of Life with a grade of “C” or better (Option I only)
5.	Physics with a grade of “C” or better (see option 1 or 2 for physics requirements)
6.	Introduction to Human Communication (speech) prior to program start
7.	Completion of majority of Kent Core Requirements/ Diversity courses prior to start of program
8.	Completion of medical terminology prior to program start
9.	Completion of computer course prior to program start (Option II only)
10.	Completion of electives for option 2 applicants prior to program start
11.	One non-developmental math, one biology and the medical terminology courses must have been completed within the last 7 years or these three courses must be repeated by the end of spring semester 2024. Any applicant who is currently working in the medical profession (with appropriate documentation) is exempt from the 7-year rule for med term.

Transfer Students: Advising with the Program Director may be scheduled **after** applying to KSU. **The Kent State University transfer center evaluates student transcripts and determines transfer credits as well as which courses are equivalent to Kent State University pre-requisites.** www.kent.edu/transfercenter

Applicants should read all the information in the RIS application packet and make sure that all prerequisites and requirements of the BRIT degree are met.

The Application Process Includes:

1.	<p>Apply to Kent State University/Salem Campus and submit the application fee. Select BRIT, Radiologic and Imaging Sciences as your planned course of study. <i>If you are currently attending or have previously attended Kent and have not attended any other university since</i>, you do not need to complete these steps 1 & 2. The RIS courses are only offered at the Salem Campus, but students may take any or all other pre-requisite courses at any of the eight Kent State University campuses.</p>
2.	<p>Request official transcripts from high school (this is only needed if applying to Kent State University for the 1st time) and all universities or colleges attended (other than Kent State University) be sent directly to Kent State Salem. All transcripts must be received prior to the May 1, 2024, application deadline. It is the applicant's responsibility to verify transcripts have been received prior to the application deadline.</p>
3.	<p>Once you are admitted to Kent State University and your transcripts have been evaluated, you may be required to take the Basic Skill Assessment Test (ACCUPLACER/ALEKS). Some undergraduates are required to take this test (at any of the eight campuses of Kent State University) no later than May 1, 2024. The test assesses reading, writing and math to determine placement in courses at Kent State University. Testing may not be required if university requirements have been fulfilled.</p>
4.	<p>If prerequisites and requirements have been met, submit the KSU RIS Radiation Therapy Program application form online and carefully read the Technical Standards.</p>
5.	<p>The deadline for submitting application to the Radiation Therapy Program is May 1, 2024. If choosing Option 1, you must be a graduate of an associate of applied science degree (AAS) program in Radiologic Technology or must be graduating from such a program prior to fall semester 2024 and passed the ARRT exam and completed all Kent Core Requirements and electives.</p>

The Interview and Applicant Selection Process:

1. Kent State University policy regarding equal opportunity can be accessed at:
<https://www.kent.edu/policyreg/university-policy-regarding-equal-opportunity>
2. The admissions committee of the Radiation Therapy Program will review applications and transcripts received by the May 1, 2024, application deadline. Only the top 30 applicants will move to the interview process based on an information point system outlined below. Those applicants moving to the interview process will receive information regarding scheduling of interviews with radiation therapy program officials. Declaring RIS, BRIT as a major or completion of all program requirements does NOT guarantee admission into the program. Final spring semester grades for courses in progress during the application process will be included in the point assessment.
3. **Information Point system**
 - a. Cumulative GPA and number of college course hours completed
 - b. Final grades in courses below are awarded points as follows:
A = 4 points, B = 3 points, C = 1 point, D or F = 0 points
 - 1) Modeling Algebra plus one additional higher-level math
 - 2) Anatomy and Physiology, I & II plus up to two additional biology courses
 - 3) One Chemistry course – CHEM 10050 Fundamentals of Chemistry or higher
 - 4) College Physics (PHY 13001 and 13021) or Radiologic Physics (RADT 24016) or Physics for Health Technologies (PHY 12111) plus one additional physics course.
 - c. For courses that have been repeated, final grades for all attempts will be averaged.
 - d. Communication skills are a critical component of the selection process and are vital to becoming a radiation therapist. These skills are assessed through email, phone, or face to face conversations throughout advisement and application process.
4. All interviewed applicants will be notified by email of their status. Alternates are chosen to replace any applicant who does not accept placement into the program. Alternates may replace an applicant prior to the semester they are to begin. Students who are accepted into the program must begin the radiation therapy coursework in fall semester. All prerequisites must be completed by the end of spring semester in which applying. All Kent Core Requirements and electives should be completed prior to the start of the radiation therapy program in fall semester.
5. The Kent State University Salem campus Radiation Therapy Program does not have an admission waiting list. Applicants not admitted to the program may reapply for admission the next year. Re-applicants must submit a new application for the current year in which they wish to apply. Applicants who wish advisement to improve their chances of acceptance should contact the Radiation Therapy Program Director at the Salem Campus.

1	Students must prove compliance with the health admission requirements of the Radiologic and Imaging Sciences Radiation Therapy Program prior to the beginning of fall semester courses to remain enrolled in the program. Failure to show proof of compliance will result in loss of placement. All requirements listed below are the minimum for continued placement in the program. A clinical setting may require additional requirements prior to the student beginning clinical rotations at that site.
2	Tuition: Tuition rates may change yearly. Distant learning fees are applicable to web-based courses. https://www.kent.edu/current-tuition-rates
3	Clinical Placement fee: All students will be charged a onetime, \$50 RIS program clinical placement onboarding fee.
4	Trajecsys®: An electronic documenting service for tracking student clinical attendance, evaluations, and competencies at a cost of \$150 for the program.
5	CastleBranch®: The Radiation Therapy program utilizes the company, Castle Branch, which will serve as a portal for students to upload their admission health, background, CPR, and drug screening requirements for compliance for clinical placement. The cost is approximately \$160. More detailed information on using the CastleBranch portal is included with the program acceptance letter.
6	Physical Exam: The student must show proof of physical examination by a physician, nurse practitioner, or physician's assistant within the last year and proof of ability to participate in the radiation therapy program.
7	TB Testing and Immunizations: The student must show proof of 2-step TB testing and the following immunizations: Tetanus booster, MMR, and Varicella (chicken pox). Titers testing is required for Hepatitis B. If negative titer for Hepatitis B the student must show proof of the Hepatitis B vaccinations or sign a waiver. Instructions for students who cannot document immunity are on the mandatory immunizations form. TB tests must be kept current throughout the duration of the program (annually). Students are required to undergo a flu shot prior to the start of flu season each year. Documentation of full COVID vaccination or an exemption form is needed for program compliance. See CastleBranch for further clarification on immunizations, waivers, and/or exemptions.
8	Drug Screening: Drug screening must be performed by Quest Labs through information found on www.castlebranch.com . Most recent cost is \$37. Continuation in the radiation therapy program after acceptance is dependent upon a negative drug screen report.
9	Background Checks: Students must undergo electronic Federal (FBI) & state screening by Fast Fingers in Ohio. The most recent cost is \$88 for the Ohio Background Check. If assigned to clinical sites in Pennsylvania, students will need to obtain the required background checks in Pennsylvania. Results of the background check(s) may impact final acceptance and clinical placement. Any of the above may need to be repeated per clinical site request.
10	CPR Requirements: Students accepted into the program must be certified in CPR and Basic Life Support prior to commencement of fall semester and maintain certification throughout the program. Certification of CPR is required by the American Heart Association. Level of certification required: American Heart Association, Healthcare Provider. (Approximate Fee: \$45) *The CPR certification must be kept current throughout the duration of the program.
11	Students MUST provide their own health insurance coverage. The University does not assume or provide free medical insurance coverage for students in the clinical areas or on campus. Students may purchase health insurance coverage by contacting University Health Services at the Kent Campus. Students are responsible for the costs or bills incurred if an accident should happen on campus or at the clinical education site. Students may be required to show proof of health insurance upon request from the clinical site prior to clinical placement.
12	Radiation Dosimeter: Students must wear a radiation dosimeter in the clinical education setting. All students will be charged radiation dosimeter fee: \$50 per clinical course is the most recent cost.

Pregnancy Policy:

If an applicant or an enrolled student does suspect she is pregnant, she has the option of whether to inform program officials of her pregnancy. If the student chooses to voluntarily inform officials of the pregnancy, it must be in writing and indicate the expected date of delivery. In the absence of this voluntary, written disclosure, a student cannot be considered pregnant. If an applicant or an enrolled student chooses to disclose the pregnancy, the student must immediately notify the Clinical Coordinator and/or the Program Director. The applicant or enrolled student must then sign a witnessed "Attest" form that the appendix to Regulatory Guide 8.13 of the United States Regulatory Commission was read and discussed.

If the applicant or enrolled student chooses to provide written notice of voluntary declaration, the student can make an informed decision based on the student's individual needs and preferences. The university offers the following options:

- 1. Continuing the educational program without modification of the rotation schedule.**
- 2. Voluntary leave of Absence from the program.**
- 3. Voluntary written withdrawal of declaration.**

The student who chooses to disclose the pregnancy and continue at the clinical site will be required to purchase and wear an additional dosimeter for fetal dose measurement. The student may or may not graduate at the scheduled date. This will be determined on an individual basis by the faculty depending on the student's capacity to complete course requirements.

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 gestation and no more than 0.05 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. Neither Kent State University 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.

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 the 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. There is no compulsory obligation to declare the pregnancy.

QUARTERLY ALARA (AS LOW AS REASONABLY ACHIEVABLE) THRESHOLD LEVELS

Level I	125 mrem Whole Body	1250 mrem Ring Finger
Level II	375 mrem Whole Body	3750 mrem Ring Finger

The Radiation Therapy 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 therapist. 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 programs 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 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 Salem Student Accessibilities Coordinator will validate their need for accommodation(s) and will work with the program to determine if reasonable accommodation can be made. This accommodation will consider whether the accommodation(s) would jeopardize therapist/patient safety or undercut an essential element of a course or clinical experience.

Technical Standards for Radiologic and Imaging Sciences students should possess:

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.
2. Sufficient sight to read requisitions & charts, observe conditions of the patient in low levels of light; to evaluate medical images on view boxes and on computer screens and to record information clearly and accurately.
3. Sufficient hearing to interact with and respond to patients as well as to the audible sounds of equipment.
4. Ability to stand and walk while assigned to a clinical education setting so as to perform medical imaging procedures in an appropriate and effective manner.
5. Ability to lift, assist and maneuver patients in wheelchairs, carts, and imaging tables without injury to patient, self, or other health care workers and to respond to medical emergencies in an effective manner. Have enough motor skills to manipulate, lift, and reach equipment and to operate small controls on equipment.
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, and radiation.

You must complete the following for your application to be considered:

1		<p>Are you currently enrolled in Kent State University?</p> <p>Yes: _____</p> <p>No: _____ You must be admitted to Kent State University to apply to the program. The application form (online) and the application fee (most recent fee of \$45) must be remitted prior to the application deadline date.</p>
2		<p>Students must have official transcripts sent directly from your universities, colleges, or hospital-based certificate programs to the Kent Salem Campus (Attn: Shellie Warino) prior to the application deadline date.</p>
3		<p>Contact Shellie Warino for advising appointment (in person/email/phone) prior to April 1st.</p>
<p>Technical Standards</p>		
4		<p>Carefully read the technical standards for radiation therapy.</p>
<p>Reasons for Interest and Goals</p>		
5		<p>Within the online application, please include a personal statement describing your reasons for interest in the degree and chosen concentration as well as your career goals after graduation. This statement should be double spaced and no longer than 1 page in length.</p>
<p>Online Application</p>		
6		<p>Complete the online application between January 1st – May 1st</p>

<http://www.kent.edu/columbiana/radiation-therapy-program>

Shadowing/observation is **required** as part of the application process for the Radiation Therapy program at Kent State University, Salem campus.

Shadowing for points awarded towards the acceptance process **must be scheduled no later than April 1 of the application year**. Prior to an applicant shadowing, the applicant needs to be advised by Shellie Warino (Program Director) and informed that they have completed all program requirements to apply for that current year.

Once the potential applicant has been advised and told they can begin the shadowing process, they will contact the program's clinical coordinator, Kimberlyn Ragazzino, for shadowing information:

✉ kkascsak@kent.edu

The clinical coordinator will be contacted by email **beginning December 1st** to schedule mandatory radiation therapy shadowing for a minimum of (1) eight-hour day at the clinical site provided to you. Shadowing must be scheduled prior to April 1. Therefore, it is recommended that you contact Kimberlyn prior to March 15th to ensure the mandatory shadowing is scheduled prior to April 1.

Contact information and detailed instructions for shadowing will be provided by Kimberlyn Ragazzino via email after the applicant has emailed Kimberlyn the following information:

- 1) The date that they met with Shellie Warino for advisement and were told they had all program requirements to begin the shadowing process.
- 2) Any previous shadowing completed individually or as part of a radiology program.
- 3) Please indicate in your email if you have not done any shadowing and/or observation in a radiation therapy department.
- 4) Please provide current residential address to allow for geographic location to be taken into consideration when providing a clinical setting to fulfill the shadowing/observation requirement.

Do not include in your email: Requests of clinical settings and/or times or dates you can shadow. This will be worked out once you receive contact information to schedule your shadowing.

Kimberlyn will not be scheduling your shadowing and/or observations.

She will provide you with:

- contact information of whom you are to reach out to at the clinical site to schedule your shadowing
- detailed steps you are to take in scheduling your shadowing
- follow-up with Kimberlyn once shadowing is completed.

The perspective student will be evaluated by the clinical site(s) upon completion of the shadowing and the points obtained during this evaluation will be used towards the application process. **Attributes such as promptness, professionalism, interest, enthusiasm, and communication will be evaluated.**

Applicants who have attended a radiologic technology program, whether it be Kent State University or any other program, need to follow the shadowing requirements as stated above. Shadowing completed during radiologic technology programs **does not fulfill** the shadowing requirement for program application. Nor does any shadowing that the potential applicant has done or scheduled on their own.