

KELLOGG COMMUNITY COLLEGE

RADIOGRAPHY

FREQUENTLY ASKED QUESTIONS (FAQs)

UPDATED 01/2022

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For additional, program specific information, please contact Program Coordinator, Mindi Snyder, snyderm@kellogg.edu or 269-660-7755.

For more information about enrollment, please contact academic advising at advising@kellogg.edu or 269-965-4124.

QUESTIONS ABOUT RADIOGRAPHY

1. WHAT ARE THE JOB RESPONSIBILITIES OF A RADIOLOGIC TECHNOLOGIST?

Radiologic Technologists (also known as Radiographers or X-ray Technologists) are specially trained health care professionals who administer ionizing radiation (x-rays) to patients for the purpose of assisting the radiologist in the diagnosis and treatment of injuries and diseases.

"Radiographers must demonstrate an understanding of human anatomy, physiology, pathology, and medical terminology.

Radiographers must maintain a high degree of accuracy in radiographic positioning and exposure technique. They must possess, apply, and maintain knowledge of radiation protection and safety. Radiographers independently perform or assist the licensed practitioner in the completion of radiographic procedures. Radiographers prepare, administer and document activities related to medications and radiation exposure in accordance with federal and state laws, regulations or lawful institutional policy."

ASRT Practice Standards, June 23, 2019

2. WHAT ARE SOME SKILLS NEEDED BY RADIOLOGIC TECHNOLOGISTS?

- Therapeutic and effective communication skills
- High level of customer and personal service
- Knowledge of anatomy and medical terminology
- Professional behaviors and strict adherence to patient confidentiality
- High ethical standards and integrity
- Attention to detail and precision
- Ability to work independently and cooperatively, with a team
- Critical thinking and problem solving
- Technical skill application
- Patient care skills

3. WHAT IS THE AVERAGE SALARY FOR RADIOLOGIC TECHNOLOGISTS?

According to the U.S. Department of Labor, Bureau of Labor Statistics, the median annual wage for radiologic technologists was \$61,900 in May 2020.¹

4. HOW IS THE LOCAL JOB MARKET?

Overall employment of radiologic technologists is projected to grow 9 percent nationally from 2020 to 2030, about as fast as the average for all occupations.¹

The local job market for radiologic technologists is excellent. 95% of KCC Radiography graduates from the last five years (37 out of 39 graduates) found a job in the field within 12 months of graduating. There are currently multiple job openings at most of our affiliated hospitals.

¹ Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Radiologic and MRI Technologists, at <https://www.bls.gov/ooh/healthcare/radiologic-technologists.htm>.

5. WHAT DO I NEED TO DO TO BECOME A RADIOLOGIC TECHNOLOGIST?

- 1) Complete an accredited radiography program.

First you must complete a program in radiography that is either programmatically accredited or part of an institution that is regionally accredited. KCC meets the rigorous standards set forth by the Joint Review Committee on Education in Radiologic Technology (JRCERT) and has been awarded the maximum accreditation award of eight years (to be renewed in 2027).

- 2) Pass the ARRT Registry for Radiography.

Upon completion of the didactic and clinical education requirements as outlined by the ARRT, an individual is eligible to sit for a national board examination to obtain certification in the field of Radiography. Upon passing this examination, the credential earned is Registered Technologist of Radiography [R.T.(R)].

6. ONCE I BECOME A REGISTERED RADIOLOGIC TECHNOLOGIST, WHAT ARE MY CAREER OPTIONS?

Upon completion of a radiography program and licensure by the ARRT, there are numerous career opportunities in a variety of settings. Radiography permits flexibility with a variety of work settings, hours, and commitments. Some possible jobs include:

- Imaging technologist in a hospital or clinic
- Administration/management
- Radiographic equipment development and sales
- Application specialist
- Educator/clinical instructor
- Equipment and imaging software sales
- Research and development
- Post primary certification and registration in other imaging modalities, including: MRI, CT, Mammography, Interventional Radiography, Bone Densitometry (DEXA), Vascular Sonography, Breast Sonography, Radiologist Assistant

7. WHERE CAN I LEARN MORE ABOUT RADIOGRAPHY?

Radiography is an exciting and rewarding career. For more information, you can visit the Association of Registered Radiologic Technologists (ARRT, www.arrt.org) or the American Society of Radiologic Technologists (ASRT, www.asrt.org). You may also reach out to the KCC Radiography Program Coordinator, Mindi Snyder (snyderm@kellogg.edu, or 269-660-7755) for more information.

QUESTIONS ABOUT THE RADIOGRAPHY PROGRAM EXPERIENCE AT KCC:

8. HOW MUCH DOES THE RADIOGRAPHY PROGRAM COST?

Below is an ESTIMATE of the cost for the 2021-2022 school year:

Expense	Estimated Cost
In-District Tuition⁺	
\$151.50- Fall 2021 Tuition	\$ 4,545.00 (General Education Courses)
\$258.00- Fall 2022 Health Program Tuition	\$11,223.00 (Radiography Courses)
	Total Estimated Cost for Tuition: \$15,770.00⁺
Lab Fees (Estimated) *	\$1,250.00
RADI Course Textbooks (New-Estimated)	\$735.00
Ged Ed Course Textbooks (Estimated)	\$1,400.00
Additional Costs (Estimated) **	\$360.00
Estimated Total	\$19,515.00

⁺ Out-of-District Tuition is higher

* Lab Fees Include: Drug Screens (2), Background Check, Personal Liability Insurance, ASRT Membership (2), Dosimetry Expenses, Lead Markers, Registry Prep Seminar, Mock Registry Exam, Lab Supplies, etc.

** Additional Costs: Uniforms and Shoes \$150.00, Flu Shots \$60.00, ARRT Pre-Application \$150.00

9. HOW MANY SEMESTERS ARE IN THE RADIOGRAPHY PROGRAM?

Pre-requisite courses must be completed prior to applying to the Radiography program. Upon admission to the Radiography program, students will participate in four semesters of Radiography-specific courses: Fall 1, Spring 1, Summer, Fall 2. However, there are plans to extend the program through an additional Spring semester.

10. WHAT DOES THE RADIOGRAPHY PROGRAM COURSE SCHEDULE LOOK LIKE?

The current program outline for the 2022-2023 is as follows:

Please note that this is subject to change in the future and should only be used as a guide.

SEMESTER	SCHEDULE		CREDIT HOURS
Fall 1			
RADI 125	Online (1 st 7 Weeks)		3
RADI 121	Mondays and Wednesdays (<i>Lecture</i>)	8-8:50	3
RADI 124	Mondays (<i>Lecture</i>)	9-10:50	4
	Wednesdays (<i>Lab</i>)	Varies	
RADI 123	Tuesdays and Thursdays (Last 8 Weeks) (<i>Clinical Course</i>)	7:30-4 or 8-4:30	2
TOTAL			12
Spring 1			
RADI 134	Mondays (<i>Lecture</i>)	10-11:50	4
	Wednesdays (<i>Lab</i>)	Varies	
RADI 131	Mondays and Wednesdays (<i>Lecture</i>)	8:30-9:50	3
RADI 133	Tuesdays, Thursdays, and Fridays (<i>Clinical Course</i>)	7:30-4 or 8-4:30	5.5
TOTAL			12.5
Summer			
RADI 224	Mondays-Thursday (10 weeks) (<i>Clinical Course</i>)	7:30-4 or 8-4:30	5
TOTAL			8.5
Fall 2			
RADI 221	Tuesdays and Thursdays (<i>Lecture</i>)	8:30-9:50	3
RADI 234	Tuesdays and Thursdays (Last 7 Weeks) (<i>Lecture/Hybrid</i>)	10-11:50	1.5
RADI 233	Mondays, Wednesdays, and Fridays (<i>Clinical Course</i>)	7:30-4 or 8-4:30	5.5
TOTAL			12
Spring 2			
RADI 231	Tuesdays and Thursdays (<i>Lecture</i>)	9-11:50	3
RADI 243	Mondays and Wednesdays (<i>Clinical Course</i>)	7:30-4 or 8-4:30	4
TOTAL			8.5
PROGRAM TOTAL			45
<i>Please note that this schedule may change and is meant to be used as a guide.</i>			

11. WHAT IS THE HOMEWORK LOAD LIKE?

Students can expect approximately 3-4 hours of study/homework for every 1 hour of class time (credit hour).

Students who spend less than a 3:1 ratio of study time tend to struggle with understanding concepts, which reflects in clinical competency and examination scores. Students who have difficulty with content have access to a variety of resources, including Instructor Office Hours and the Center for Student Success.

12. CAN I WORK WHILE I AM IN THE PROGRAM?

Most radiography students maintain jobs while in the program. Work schedules must be conducive to the school schedule. Students who work while successfully participating in the program are able to prioritize and organize in order to maintain both work and school schedules, as well as achieve the required "C" grade in all courses. Students must be aware that school schedules and assignments will take precedence over work schedules.

13. CAN I CHOOSE MY CLINICAL ROTATIONS?

No. Assignments are made by the Clinical Coordinator with consideration to many different factors for all students. Clinical assignments are designed to provide a broad educational experience. The KCC radiography program affiliates with six clinical sites: Bronson Methodist Hospital, Kalamazoo; Ascension Borgess Hospital, Kalamazoo; Bronson Battle Creek Hospital, Battle Creek; Oaklawn Hospital, Marshall; Promedica Coldwater Hospital, Coldwater; and the Veterans Administration Medical Center, Battle Creek. Students must be willing to accept an assignment at any of the six clinical sites.

Students will participate in two different clinical assignments during the two-year program.

14. WHAT ARE THE GRADUATION REQUIREMENTS TO EARN AN ASSOCIATE DEGREE IN APPLIED SCIENCE, RADIOGRAPHY?

Graduation requirements for a degree from Kellogg Community College can be found by accessing the [Academic Catalog](#). Follow this link for [Radiography specific requirements](#). All radiography and general education coursework must be completed with a grade of "C" or higher to meet graduation requirements. For assistance with understanding program and graduation requirements, please reach out to an academic advisor at: advising@kellogg.edu or 269-965-4124.

QUESTIONS ABOUT ADMISSION TO THE RADIOGRAPHY PROGRAM AT KCC:

15. WHICH COURSES ARE PRE-REQUISITES FOR THE RADIOGRAPHY PROGRAM?

Please consult an academic advisor (advising@kellogg.edu, or 269-965-4124) when completing program pre-requisites. Students applying for the 2022-2023 program will need to refer to the [Radiography Admission Packet](#) on the [KCC Allied Health Admissions page](#), (also available on the [KCC Radiography webpage](#)). The following courses are currently required (for 2022-2023 applicants) prior to applying to the Radiography Program:

Course	Credit Hours
FYS 101- First Year Seminar	1
ALHE 227- Medical Terminology	2
BIOL 201- Human Anatomy	4
BIOL 202- Human Physiology	4
ENGL 151- Freshman Composition	3
PSYC 201- Introduction to Psychology	3
MATH 102 (OR HIGHER) Practical Algebra	4
POSC 201 <i>or</i> SOCI 201 American Government <i>or</i> Introduction to Sociology	3
NURS 105- Nursing Assistant Training (<i>or current State Certification as a Nursing Assistant</i>)	3
TOTAL	27

16. I TOOK CLASSES AT ANOTHER COLLEGE. WILL THEY TRANSFER TO KCC?

It may. Course equivalencies are determined through the transcript audit/evaluation process completed by the registrar's office. When applying to the radiography program, applicants complete a Kellogg Community College "selective admission application" and have official transcripts sent from all colleges attended. Once the transcripts are received, the registrar's office will complete a transcript audit/evaluation and generate a report. While a course may transfer in, it does not mean that the course is the equivalency of a course required for completion of the radiography program or for KCC graduation. Students are strongly advised to make an appointment to meet with a KCC academic advisor to ensure both the program and KCC general education course requirements are met.

For more information, please see the [KCC Registrar's Website](https://www.kellogg.edu/admissions/registrar/transfer-evaluation/) (<https://www.kellogg.edu/admissions/registrar/transfer-evaluation/>).

17. HOW IS ADMISSION TO THE RADIOGRAPHY PROGRAM DECIDED?

Applications are ranked based on total admission points awarded. Points are awarded based on the criteria listed in the [Radiography Admission Packet](#). The top twenty applicants are admitted to the program. For more information on this process, please contact Academic Advising (advising@kellogg.edu, or 269-965-4124).

18. IS THERE A WAITING LIST FOR THE RADIOGRAPHY PROGRAM?

No. Students are admitted based on admission points. Students who are not accepted into the program during the initial admission decision will be placed on a waiting list if one of the candidates chooses to step away from the program prior to the first day of class. Applicants who re-apply will be awarded points on subsequent applications.

19. WHEN CAN I APPLY FOR THE RADIOGRAPHY PROGRAM? WHEN DO CLASSES START?

Applications for the Radiography Program at KCC are available from January through May. The application deadline is May 20, 2022. Courses begin Fall 2023. A Radiography Program orientation session is held prior to the start of the Fall Semester.

20. I HAVE A MISDEMEANOR CONVICTION. CAN I STILL BECOME A RADIOLOGIC TECHNOLOGIST?

A student who has concerns about a misdemeanor or other potential ethics violation should contact the ARRT Ethics Committee to complete an ethics review to ensure they are eligible to sit for the ARRT certification examination.

With this option, you'll submit information and documentation regarding your potential ethics violation before you apply for certification and registration. The ARRT Ethics Committee will review your submission and determine if it warrants a sanction. If you receive a sanction, you might be ineligible to apply for certification and registration for a set period of time.

The ARRT Ethics Requirements Department may be contacted at 651.687.0048. For more information, please see the ethics requirements on the [ARRT Ethics website](https://www.arrt.org/pages/earn-arrt-credentials/initial-requirements/ethics/ethics-requirements). (<https://www.arrt.org/pages/earn-arrt-credentials/initial-requirements/ethics/ethics-requirements>)

Criminal background checks are required for all Radiography students to participate in clinical rotations. A criminal conviction might prevent the program from being able to place a student for your clinical education. Determination is typically based on the nature of the conviction and the results of the ARRT pre-application process.

21. I HAVE A DISABILITY. CAN I PARTICIPATE IN THE PROGRAM?

This question can only be answered by the student and the student's medical provider/advisors. The ability requirements for radiographers are determined by hospital employers with consideration given to radiographer and patient safety. For a student to fully participate in the radiography program clinical education component and secure all required competencies as set forth by the American Registry of Radiologic Technologists, they must meet the following requirements as determined by hospital employers:

- Ability to perform repetitive tasks
- Ability to reach above shoulder level
- High degree of manual dexterity
- Ability to grip
- Ability to bend at the knee
- Ability to stand for long periods of time
- Ability to maneuver (pushing/pulling/lifting) the weight of patients
- Ability to lift 50 pounds
- Ability to walk the equivalent of 2 miles per day
- Ability to sit for periods of time
- Ability to perform CPR
- Ability to visually see structures both close and far away
- Ability to read faces, dials, monitors, gauges, doses on syringes, vials, and ampules
- Ability to hear normal sounds with background noise from equipment generators, computers, and other equipment
 - Ability to cope with high levels of stress
 - Ability to handle multiple priorities in a stressful situation
 - Ability to make quick decisions under pressure
 - Ability to cope with the anger/fear/hostility of others in a calm manner

- Ability to concentrate
- Ability to be flexible
- Ability to assist with problem resolution
- Ability to work alone
- Ability to demonstrate a high degree of patience

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