

RADIOGRAPHY

This program prepares the individual to become a radiographer. The radiographer is prepared to administer ionizing radiation for medical diagnostic imaging purposes. Emphasis is on radiation protection and quality patient care. The curriculum is comprised of specialized courses in radiography with concentrated study in the basic sciences, mathematic and general education.

Students enrolled in the Radiography program must achieve a minimum grade of "C" in each Radiography course, required natural science course, and quantitative reasoning course.

Upon completion of the program, the graduate is eligible to take the American Registry of Radiologic Technologists (ARRT) registry examination to become a registered radiographer. Radiographers may find positions in hospitals, health clinics, and physicians' offices. The curriculum requires attendance in the summer session, fall and spring semesters. Note: CPR certificate must be obtained prior to enrolling in IMG 100 Radiography I (7 credit hours) or IMG 104 Introduction to Radiography (2 credit hours), IMG 106 Patient Care in Radiography (2 credit hours) and IMG 108 Radiographic Procedures I (4 credit hours); or DMI 110 Radiography Practicum I (1 credit hours) and certification must be kept current throughout the program. Note: Documentation of digital literacy as defined by KCTCS is required prior to admission to IMG courses.

Advanced Imaging in Radiography focuses on the areas of Computed Tomography (CT) and Magnetic Resonance Imaging (MRI) in the Radiological Sciences. Didactic and clinical instruction prepares the technologist to work in the areas of CT and MRI in the healthcare setting and to sit for the Advanced Board Exams given by the American Registry of Radiologic Technologists. These courses are offered for technologists who are currently registered by the American Registry of Radiologic Technologists in Radiography or the Nuclear Medicine Technology Certification Board in Nuclear Medicine, or students who have completed one year and are currently enrolled in an accredited radiography or nuclear medicine program, or by consent of the instructor. The core curriculum courses are intended to provide the student with an overall knowledge of advanced patient care and sectional anatomy. The CT and MRI tracks focus on the physics, instrumentation and imaging techniques of these modalities. The student may choose CT or MRI or both. Although these courses are organized in a hierarchical pattern, depending on the entry-level knowledge and the needs of the student, they may be taken out of sequence with consent of the instructor.

Note: Hours Exception (71-75 for the A.A.S.) approved by the KCTCS Board of Regents in June 2010.

Degrees

- Radiography - AAS (<https://catalog.kctcs.edu/programs-of-study/aas/radiography/radiography-aas/>)
 - Pathway 1 (<https://catalog.kctcs.edu/programs-of-study/aas/radiography/radiography-aas/#pathway1>)
 - Pathway 2 (<https://catalog.kctcs.edu/programs-of-study/aas/radiography/radiography-aas/#pathway2>)
 - Pathway 3 (<https://catalog.kctcs.edu/programs-of-study/aas/radiography/radiography-aas/#pathway3>)

Certificates

- Advanced Imaging in Radiography - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/radiography/advanced-imaging-radiography-certificate/>)
 - Computed Tomography Track (<https://catalog.kctcs.edu/programs-of-study/aas/radiography/advanced-imaging-radiography-certificate/#computedtomographytrack>)
 - Computed Tomography with Clinical Track (<https://catalog.kctcs.edu/programs-of-study/aas/radiography/advanced-imaging-radiography-certificate/#computedtomographywithclinicaltrack>)
- Magnetic Resonance Imaging Track (<https://catalog.kctcs.edu/programs-of-study/aas/radiography/advanced-imaging-radiography-certificate/#magneticresonanceimagingtrack>)