



About the Profession

Some radiographers specialize in computed tomography (CT), and are sometimes referred to as CT technologists. CT scans produce a substantial amount of cross-sectional images of an area of the body. From those cross-sectional images, a three-dimensional image is made.

Radiographers also can specialize in Magnetic Resonance Imaging as an MR technologist. MR uses non-ionizing radio frequency to produce multiple cross-sectional images

Cardiovascular technologists assist physicians in diagnosing and treating cardiac (heart) ailments. Vascular interventional technologists assist and aid physician with a variety of procedures in peripheral vascular disease.

KC.EDU (800) 433.5262



About the Certificates

Advanced imaging is a specialized field in radiologic technology that includes computed tomography (CT), magnetic resonance imaging (MRI), vascular interventional technology (VIT), and cardiovascular interventional technology (CIT).

These certificates can be obtained in 16 weeks. The RSI department at Kettering College offers certificates in MRI, CT, vascular interventional technology (VIT), and cardiovascular interventional technology (CIT). Students entering Kettering College as graduates of an associate degree or certificate program in radiologic technology may continue their education with certificate programs in CT, MRI, VIT, or CIT as one semester courses of study. Those students with nuclear medicine, radiation therapy, or diagnostic medical sonography may continue their education with a certificate in MRI.

All advanced imaging programs require practicum experience in the semester in which the clinical aspects courses are taught. Each student will be evaluated on classroom and practicum experiences. Completion of the clinical portions of these certificates is competency-based. To pass each clinical course, the student must complete all competencies required by the College including some items from ARRT. Please refer to bulletin for modality specific information.

The advanced imaging programs prepare the students for the American Registry of Radiologic Technologists' post-primary certification examinations in CT, MRI, VIT, and CIT. Didactic and clinical courses help prepare for these examinations. For more information on the eligibility requirements, refer to the ARRT website: www.arrt.org.

Approval & Accreditation

Kettering College is accredited by the Higher Learning Commission (HLC), approved by the Accrediting Association of the General Conference of Seventh-day Adventist Colleges, Schools, & Universities (AAA), and authorized by the Ohio Department of Higher Education. **All Advanced Imaging modalities meet ARRT structural education requirements for certification and registration.**

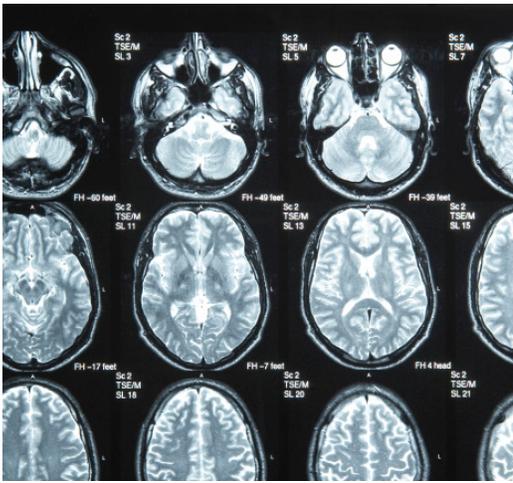
Admission Basics

Applicants to the advanced imaging majors at Kettering College will satisfy the following criteria to be considered for admission:

1. Meet all admission requirements for Kettering College.
2. Provide evidence of current certification by ARRT, ARDMS, or NMTCB in radiologic technology, diagnostic medical sonography, nuclear medicine, or radiation therapy. Only ARRT-certified radiographers are permitted to perform diagnostic computed tomography (CT) procedures in the state of Ohio; consequently Kettering accepts only ARRT-certified radiographers into the CT program.
3. Drug test is required per clinical site.
4. Request and pay to have a background check performed by a College-approved service no more than six months prior to beginning the clinical experience. Please contact the admissions office for approved service contact information. Commencement of the clinical portion of the program is contingent upon successful clearance of the background check.
5. Sectional Anatomy is a prerequisite course for the CT and MRI programs.

Note: It is recommended that all students entering radiologic sciences and imaging programs have computer skills that enable them to use Windows, word processing, spreadsheet, and PowerPoint operations. Please refer to specific course descriptions for more details.

ADVANCED IMAGING



CERTIFICATE IN COMPUTED TOMOGRAPHY (CT)

The CT program is offered on campus during fall semester and online during winter semesters. NOTE: Only ARRT-certified radiographers are permitted to perform diagnostic CT procedures in the state of Ohio; consequently, Kettering accepts only ARRT-certified radiographers into the CT program.

ADIM 300	CT Theory*	3
ADIM 328	Clinical Aspects of CT*	3
ADIM 304	Practicum I (CT)	4
TOTAL		10

* ARRT Registry review material will be incorporated into this course.

CERTIFICATE IN MAGNETIC RESONANCE IMAGING (MRI)

ADIM 303	MRI Theory*	4
ADIM 428	Clinical Aspects of MRI	3
ADIM 314	Practicum II (MRI)	4
TOTAL		11

* ARRT Registry review material will be incorporated into this course.

The MRI program is offered online during the fall semester and on campus in the winter semester.

CERTIFICATE IN VASCULAR INTERVENTIONAL TECHNOLOGY (VIT)

ADIM 311	VIT	3
ADIM 324	Practicum III (VIT)	4
ADIM 395	Variable Independent Clinical (optional)	1-4
TOTAL		7-11

* ARRT Registry review material will be incorporated into this course.

CERTIFICATE IN CARDIOVASCULAR INTERVENTIONAL TECHNOLOGY (CIT)

* Pre-req to CIT is VIT certificate.

ADIM 412	CIT	6
ADIM 434	Practicum IV (CIT)	4
RESA 320	Cardiopulmonary Monitoring	3
TOTAL		10