Radiologic Technology, Medical Imaging & Imaging Informatics

Mission: Preparing students to professionally provide high quality, ethical and compassionate health care services.

Clarkson College

Prepare to be the **best.**

You've discovered your calling. Let's bring it to life.

From producing an image of a hand to detecting atherosclerosis in the heart through an angiogram, your education in the Radiologic Technology and Medical Imaging programs at Clarkson College will prepare you for success in a variety of experiences.

Clarkson College offers many educational opportunities in the area of diagnostic imaging, including a Bachelor's degree in Medical Imaging, an Associate's degree in Radiologic Technology (RT) and a certificate in Imaging Informatics. With each program option, we are committed to providing a quality educational experience that will prepare you with the knowledge and skills to become a competent professional in the field.

Along with in-depth coursework relative to your program, you will receive extensive hands-on practice with state-of-the-art imaging equipment both on campus and at your designated clinical or externship site. Our faculty have considerable experience working in their fields and are 100 percent committed to your academic and professional success.

Following graduation from the RT program, you'll take an American Registry of Radiologic Technologists (ARRT) certification examination designed to demonstrate your qualifications to enter the field. Your proven knowledge and skills will prepare you for a number of positions in hospitals, diagnostic imaging facilities, urgent care clinics and private physician offices.

CONTENTS:

How we prepare the best.

At Clarkson College, we provide the education, resources and experiences that allow you to both prepare for and be the best in health care.

› Radiologic Technology (RT) students complete theory coursework prior to clinical experiences.

› 5-1 student to faculty ratio for lab experiences in the RT program.

› 97 percent first-time pass rate on the national American Registry of Radiologic Technologists (ARRT) certification exam since 2008.

› Dual degree option available for Radiologic Technology and Medical Imaging.

› RT program accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

are to be the best.

Dual Degree:
Radiologic Technology & Medical Imaging

In the Clarkson College Associate's degree in Radiologic Technology (RT) program, you will discover the art of using high-tech imaging equipment. Courses are completed year-round, allowing you to earn your degree in a two-year period and become eligible to sit for the national certification exam.

The RT curriculum combines general education courses with major-specific courses like radiographic exposure, patient positioning and medical image manipulation and evaluation. During the clinical component of the program, you will complete two clinical rotations for a total of 41 weeks that provide hands-on opportunities for practicing patient care and fine-tuning your technical skills.

The majority of our RT students work toward a Bachelor's degree in Medical Imaging to further increase their job marketability and salary earning potential in the radiology field. You may choose to complete the programs simultaneously and on a full-time basis. You also have the option to complete your dual degree on a part-time basis or after graduating from the RT program.

DEADLINE:

Fall semester start   February 1

Radiologic Technology Sample Degree Plan & Medical Imaging Course Listing

The following course listing provides an overview of the classes required for program completion. Students will work with their advisor to create a customized plan.

Information is based on the 2014-15 academic year and is subject to change. Up-to-date catalog information is found at ClarksonCollege.edu.

RT REQUIREMENTS

Fall Semester

		Hours
BI 211	Anatomy	4
HC 104	Core I: Effective Interactions in the World of Health Care	3
MA 120	College Algebra	3
GEN 105	Medical Terminology	1
RT 101	Introduction to Radiologic Technology	2
RT 105	Patient Care	2
RT 105LB	Patient Care Lab	1
RT 260	Radiation Physics	2

Spring Semester

		Hours
BI 213	Physiology	4
EN 101	English Composition I	3
HC 204	Core II: A Cultural History of the Healing Arts	3
RT 110	Radiographic Procedures I	3
RT 110LB	Radiographic Procedures I Lab	1
RT 120	Radiographic Exposures I	3
RT 120LB	Radiographic Exposures I Lab	1

Summer Semester

		Hours
RT 125	Radiographic Exposures II	3
RT 125LB	Radiographic Exposures II Lab	1
RT 140	Radiographic Procedures II	3
RT 140LB	Radiographic Procedures II Lab	1
RT 270	Radiation Biology	2

Fall Semester

		Hours
RT 245	Radiographic Procedures III	2
RT 250	Radiographic Pathology	2
RT 265	Clinical Experience I	4
RT 276	Pharmacology for Radiologic Technologists	2

Spring Semester

		Hours
HC 304	Core III: Ethical and Cultural Frontiers in U.S. Health Care	3
RT 275	Clinical Experience II	8

Summer Semester

		Hours
RT 285	Clinical Experience III	6

MEDICAL IMAGING REQUIREMENTS

General Education Courses

		Hours
EN 102	English Composition II	3

Elective Courses

	Hours
General Education Electives for dually enrolled students	19

Radiologic Technology Courses

	Hours
Previous Radiologic Technology Coursework	44

Major Courses

		Hours
MI 330	Pathophysiology	3
MI 410	Cross-Sectional Anatomy I	3
MI 411	Cross-Sectional Anatomy II	3
MI 445	Digital Imaging	3

Major Elective Courses — Select 18 Hours

MI 312	Principles of Quality in Medical Img.	3
MI 384	Pediatric Externship	3
MI 385	CT Externship	3
MI 386	MRI Externship	3
MI 387	Angiography Externship	3
MI 388	Mammography Externship	3
MI 391	Bone Densitometry Externship	3
MI 415	Computed Tomography	3
MI 416	Computed Tomography Protocols	3
MI 421	Principles of MRI Physics	3
MI 422	Principles of MRI Instrumentation	3
MI 423	Angio./Interventional Procedures	3
MI 427	Mammography	3
MI 432	Bone Densitometry	3
MI 441	Medical Imaging Dept. Management	3
MI 446	Imaging Informatics I	3
MI 447	Imaging Informatics II	3
MI 448	Information Tech. Fundamentals	3
MI 449	Imaging Informatics Externship	3
MI 474	Advanced Pediatric Externship	3
MI 475	Advanced CT Externship	3
MI 476	Advanced MRI Externship	3
MI 477	Advanced Angiography Externship	3
MI 478	Advanced Mammography Externship	3
MI 450	Advanced Imaging Informatics Externship	3
MI 481	Advanced Bone Densitometry Externship	3
MI 492	Independent Study in Medical Img.	1-4

Medical Imaging & Imaging Informatics

The online Bachelor's degree in Medical Imaging program is designed for students or professionals with American Registry of Radiologic Technologists (ARRT) certification who are seeking additional career opportunities. This program offers advanced education in the areas of computed tomography, angiography, magnetic resonance imaging, mammography, bone densitometry and imaging informatics. The curriculum includes in-depth theory coursework and hands-on experience through externships in your local area. These hours may be completed at your worksite with supervisor approval.

If you hold ARRT certification and are interested in Picture Archiving and Communication Systems (PACS), an online certificate in Imaging Informatics is the option for you. Upon completion of the Imaging Informatics program, you will have the ability to manage a PACS system and will be eligible to sit for the Certified Imaging Informatics Professional (CIIP) Exam and the PACS Administrators Registry and Certification Association (PARCA) Exam.

DEADLINES:

Rolling admission.

Students who have an ARRT license may begin these programs in the fall, spring or summer semester.

Medical Imaging & Imaging Informatics Course Listings

The following course listing provides an overview of the classes required for program completion. Students will work with their advisor to create a customized plan.

Information is based on the 2014-15 academic year and is subject to change. Up-to-date catalog information is found at ClarksonCollege.edu.

General Education Courses

		Hours
EN 101	English Composition I	3
EN 102	English Composition II	3
MA 120	College Algebra	3
GEN 105	Medical Terminology	1
BI 211	Anatomy	4
BI 213	Physiology	4
	OR	
HC 200	Health Care Science Update I (and receive five hours of validation credit)	3

Elective Courses

	Hours
General Education Electives	24

Radiologic Technology Courses

	Hours
Previous Radiologic Technology Coursework	44

Core Curriculum Courses

		Hours
HC 104	Core I: Effective Interactions in the World of Health Care	3
HC 204	Core II: A Cultural History of the Healing Arts	3
HC 304	Core III: Ethical and Cultural Frontiers in U.S. Health Care	3

Major Courses

		Hours
MI 330	Pathophysiology	3
MI 410	Cross-Sectional Anatomy I	3
MI 411	Cross-Sectional Anatomy II	3
MI 445	Digital Imaging	3

Major Elective Courses — Select 18 Hours

		Hours
MI 312	Principles of Quality in Medical Imaging	3
MI 384	Pediatric Externship	3
MI 385	CT Externship	3
MI 386	MRI Externship	3
MI 387	Angiography Externship	3
MI 388	Mammography Externship	3
MI 391	Bone Densitometry Externship	3
MI 415	Computed Tomography	3
MI 416	Computed Tomography Protocols	3
MI 421	Principles of MRI Physics	3
MI 422	Principles of MRI Instrumentation	3
MI 423	Angiographic and Interventional Procedures	3
MI 427	Mammography	3
MI 432	Bone Densitometry	3
MI 441	Medical Imaging Department Management	3
MI 446	Imaging Informatics I	3
MI 447	Imaging Informatics II	3
MI 448	Information Tech. Fundamentals	3
MI 449	Imaging Informatics Externship	3
MI 474	Advanced Pediatric Externship	3
MI 475	Advanced CT Externship	3
MI 476	Advanced MRI Externship	3
MI 477	Advanced Angiography Externship	3
MI 478	Advanced Mammography Externship	3
MI 450	Advanced Imaging Informatics Externship	3
MI 481	Advanced Bone Densitometry Externship	3
MI 492	Independent Study in Medical Img.	3

Required Courses

		Hours
MI 445	Digital Imaging	3
MI 446	Imaging Informatics I	3
MI 447	Imaging Informatics II	3
MI 448	Information Technology Fundamentals	3

Optional Courses

		Hours
MI 449	Imaging Informatics Externship	3
MI 450	Advanced Imaging Informatics Externship	3

Are you prepared to be the best?

We've told you a little bit about us.
Now, we hope to learn a lot more about you.

Application Process

Radiologic Technology & Dual Degree in Medical Imaging option
Deadline: Feb. 1 for fall semester start

☐ Complete the application online at ClarksonCollege.edu.

☐ Submit your $35 application fee online, over the phone or by a mailed check or money order made payable to Clarkson College.

☐ Submit official high school transcripts or GED.

☐ Request official college transcripts from each college/university previously attended. Transcripts must be sent directly from each institution to Clarkson College.

☐ Submit ACT scores (unless high school graduation exceeds two years).

☐ Submit all application forms from the RT admission packet found online at ClarksonCollege.edu.

Medical Imaging option
Deadline: Rolling admission for fall, spring or summer semester start

☐ Complete the application online at ClarksonCollege.edu.

☐ Submit your $35 application fee online, over the phone or by a mailed check or money order made payable to Clarkson College.

☐ Submit official high school transcripts or GED.

☐ Request official college transcripts from each college/university previously attended. Transcripts must be sent directly from each institution to Clarkson College.

☐ Submit ACT scores (unless high school graduation exceeds two years).

☐ Copy of current ARRT card.

☐ E-mail your essay to admiss@clarksoncollege.edu addressing your motivation for helping/caring for others, why you will be successful as a health care provider and why you wish to attend Clarkson College.

Imaging Informatics option
Deadline: Rolling admission for fall, spring or summer semester start

☐ Complete the application online at ClarksonCollege.edu.

☐ Submit your $35 application fee online, over the phone or by a mailed check or money order made payable to Clarkson College.

☐ Copy of current ARRT card.

Deadlines

All application materials must be postmarked no later than the application deadline. Wait lists for programs may be formed as necessary. Meeting all application criteria does not guarantee admission.

Ask us about maximizing your degree with a minor in:
› Gerontology
› Health Care Business
› Human Services
› Public Health

PH 402 552 3100   TF 800 647 5500
admiss@clarksoncollege.edu

ClarksonCollege.edu

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