

Sample Degree Plan

CHI Health School of Radiologic Technology & Clarkson College

Medical Imaging, Imaging Informatics

Effective Fall 2015



Prepare to be the best.

Student Name _____ ID # _____ Date _____

PROGRAM		HOURS REQUIRED FOR GRADUATION
	Bachelor of Science degree in Medical Imaging	125 semester hours
	Imaging Informatics certificate	12 semester hours

General Education & Support Courses

Medical Imaging 18 semester hours

The following courses must be completed with a "C-" or higher.

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
BI 211	Anatomy	4	CHI Health Pre-requisites		
BI 213	Physiology	4	CHI Health Pre-requisites		
EN 101	English Composition I	3	CHI Health Pre-requisites		
EN 102	English Composition II OR Literature** 100 level or higher	3			
MA 120	College Algebra	3			
GEN 105	Medical Terminology	1	CHI Health Pre-requisites		

HC 200 Health Care Science Update I (3 semester hours) may be taken in place of BI 211 Anatomy (4 semester hours) and BI 213 Physiology (4 semester hours). Upon successful completion of HC 200 Health Care Science Update I, the student will receive 3 credit hours of earned coursework and 5 credit hours of validation coursework.

General Education Electives 24 semester hours

The following courses must be completed with a "C-" or higher.

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
	Intermediate Algebra	3	CHI Health Pre-requisites		
	Cultural Diversity	3	CHI Health Pre-requisites		
	Humanities/Social Sciences	6	CHI Health Pre-requisites		
	Medical Terminology II	1-5	CHI Health Pre-requisites		
	Math/Sciences with lab	4	CHI Health Pre-requisites		
	Additional Electives	6-8			

Core Courses 9 semester hours

*Must be taken at Clarkson College

The following courses must be completed with a "C-" or higher.

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
HC 104*	Core I: Effective Interactions in the World of Health Care	3	Clarkson College	Fall/Spring/Summer	

HC 204*	Core II: A Cultural History of the Healing Arts	3	Clarkson College	Fall/Spring/Summer	
HC 304*	Core III: Ethical and Cultural Frontiers in U.S. Health Care	3	Clarkson College	Fall/Spring/Summer	

* Designated service course

Medical Imaging Requirement 44 semester hours from a JRCERT accredited institution

Institution Name CHI Health School of Radiologic Technology Program

Medical Imaging Major Courses 12 semester hours

The following courses must be completed with a "C-" or higher.

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
MI 330	Pathophysiology	3	Clarkson College	Fall	
MI 410	Cross Sectional Anatomy I	3	Clarkson College	Fall	
MI 411*	Cross Sectional Anatomy II	3	Clarkson College	Spring	
MI 446	Digital Imaging	3	Clarkson College	Fall/Spring/Summer	

Medical Imaging Major Elective Courses 18 semester hours

The following courses must be completed with a "C-" or higher.

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
MI 304	Pharmacology and Drug Administration	3	Clarkson College	Summer	
MI 312	Principles of Quality in Medical Imaging	3	Clarkson College	Summer	
MI 385	CT Externship	3	Clarkson College	Fall/Spring/Summer	
MI 386	MRI Externship	3	Clarkson College	Fall/Spring/Summer	
MI 387	Angiography Externship	3	Clarkson College	Fall/Spring/Summer	
MI 388	Mammography Externship	3	Clarkson College	Fall/Spring/Summer	
MI 391	Bone Densitometry Externship	3	Clarkson College	Fall/Spring/Summer	
MI 393	Vascular Interventional Externship	3	Clarkson College	Fall/Spring/Summer	
MI 395	Cardiac-Interventional Externship	3	Clarkson College	Fall/Spring/Summer	
MI 415	Computed Tomography	3	Clarkson College	Summer	
MI 416	Computed Tomography Protocols	3	Clarkson College	Fall	
MI 417	Vascular Interventional Radiography	3	Clarkson College	Fall	
MI 419	Cardiac-Interventional Radiography	3	Clarkson College	Summer	
MI 421	Principles of MRI Physics	3	Clarkson College	Spring	
MI 422	Principles of MRI Instrumentation	3	Clarkson College	Summer	
MI 423	Angiographic and Interventional Procedures	3	Clarkson College	Spring	
MI 427	Mammography	3	Clarkson College	Fall	
MI 432	Bone Densitometry	3	Clarkson College	Summer	
MI 441	Medical Imaging Department Management	3	Clarkson College	Spring	
MI 446	Imaging Informatics I	3	Clarkson College	Fall/Spring/Summer	
MI 447	Imaging Informatics II	3	Clarkson College	Fall/Spring/Summer	
MI 448	Information Technology Fundamentals	3	Clarkson College	Fall/Spring/Summer	

MI 449	Imaging Informatics Externship	3	Clarkson College	Fall/Spring/Summer	
MI 450	Advanced Imaging Informatics Externship	3	Clarkson College	Fall/Spring/Summer	
MI 470	Advanced Vascular Interventional Externship	3	Clarkson College	Fall/Spring/Summer	
MI 475	Advanced CT Externship	3	Clarkson College	Fall/Spring/Summer	
MI 476	Advanced MRI Externship	3	Clarkson College	Fall/Spring/Summer	
MI 478	Advanced Mammography Externship	3	Clarkson College	Fall/Spring/Summer	
MI 481	Advanced Bone Densitometry Externship	3	Clarkson College	Fall/Spring/Summer	
MI 492	Independent Studies in Medical Imaging	1-4	Clarkson College	Fall/Spring/Summer	

* Designated service course

Imaging Informatics Certificate

Students who complete the following course requirements are eligible for the Imaging Informatics certificate.

Major Course Requirements 12 semester hours

The following courses must be completed with a "C-" or higher.

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
MI 445	Digital Imaging	3	Clarkson College	Fall/Spring/Summer	
MI 446	Imaging Informatics I	3	Clarkson College	Fall/Spring/Summer	
MI 447	Imaging Informatics II	3	Clarkson College	Fall/Spring/Summer	
MI 448	Information Technology Fundamentals	3	Clarkson College	Fall/Spring/Summer	

Service Requirement Associate and Bachelor programs require students to complete service experiences in three core courses and one program-designated service course. Service experiences must be passed successfully in order to pass the class. Certificate programs may include service requirements based on courses within the curriculum.

Residency Requirements Bachelor's degree: At least 27 semester hours must be completed at Clarkson College
Certificate: At least 12 semester hours must be completed at Clarkson College

Registrar Representative _____ Date _____

The information in this degree plan is intended to be informational and not contractual in nature.