



**Core Courses** 9 semester hours

Must be taken at Clarkson College

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
ICC*	Intercultural Communications	3	Clarkson College	Fall/Spring/Summer	
HUM	Humanities	3	Clarkson College	Fall/Spring/Summer	
EAA	Ethics, Empathy, and Advocacy	3	Clarkson College	Fall/Spring/Summer	

**Radiography Major Courses** 49 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
RAD 104	Intro. to Radiography	1	Clarkson College	Fall	
RAD 105*	Patient Care	2	Clarkson College	Fall	
RAD 105LB	Patient Care Lab	1	Clarkson College	Fall	
RAD 110	Radiographic Procedures I	3	Clarkson College	Spring	
RAD 110LB	Radiographic Procedures I Lab	1	Clarkson College	Spring	
RAD 120	Radiographic Exposures I	3	Clarkson College	Spring	
RAD 120LB	Radiographic Exposures I Lab	1	Clarkson College	Spring	
RAD 125	Radiographic Exposures II	3	Clarkson College	Summer	
RAD 125LB	Radiographic Exposures II Lab	1	Clarkson College	Summer	
RAD 140	Radiographic Procedures II	3	Clarkson College	Summer	
RAD 140LB	Radiographic Procedures II Lab	1	Clarkson College	Summer	
RAD 246	Radiographic Procedures III	2	Clarkson College	Fall	
RAD 246LB	Radiographic Procedures III Lab	1	Clarkson College	Fall	
RAD 250	Radiologic Pathology	2	Clarkson College	Fall	
RAD 262	Radiation Physics	3	Clarkson College	Fall	
RAD 265	Clinical Experience I	4	Clarkson College	Fall	
RAD 271	Radiation Biology	3	Clarkson College	Summer	
RAD 275	Clinical Experience II	8	Clarkson College	Spring	
RAD 285	Clinical Experience III	6	Clarkson College	Summer	

\* Designated service course

**Medical Imaging Requirement** 58 semester hours from a JRCERT accredited institution

Institution Name: \_\_\_\_\_

**Medical Imaging Major Courses** 12 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
DMI 330	Pathophysiology	3	Clarkson College	Fall	
DMI 410	Cross Sectional Anatomy I	3	Clarkson College	Fall/Summer	
DMI 411	Cross Sectional Anatomy II	3	Clarkson College	Fall/Spring	
DMI 414*	Introduction to Health Care Delivery Systems	3	Clarkson College	Summer	

### Medical Imaging Major Elective Courses 18 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
DMI 384	Pediatric Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 385	CT Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 386	MRI Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 388	Mammography Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 391	Bone Densitometry Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 393	Vascular Interventional Externships	3	Clarkson College	Fall/Spring/Summer	
DMI 395	Cardiac Interventional Externships	3	Clarkson College	Fall/Spring/Summer	
DMI 413	Advanced Pediatric Imaging	3	Clarkson College	Fall	
DMI 415	Computed Tomography	3	Clarkson College	Summer	
DMI 416	Computed Tomography Protocols	3	Clarkson College	Fall	
DMI 417	Vascular Interventional Radiography	3	Clarkson College	Fall	
DMI 419	Cardiac Interventional Radiography	3	Clarkson College	Summer	
DMI 423	Angiographic and Interventional Procedures	3	Clarkson College	Spring	
DMI 427	Mammography	3	Clarkson College	Fall	
DMI 428	Principles of MRI Physics & Instrumentation	3	Clarkson College	Spring	
DMI 429	MRI Pulse Sequences & Protocols	3	Clarkson College	Summer	
DMI 432	Bone Densitometry	3	Clarkson College	Summer	
DMI 441	Medical Imaging Department Management	3	Clarkson College	Spring	
DMI 449	Imaging Informatics Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 450	Advanced Imaging Informatics Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 451	Technology Utilization for Medical Imaging Informatics	3	Clarkson College	Fall/Spring	
DMI 452	Operational Strategies for Medical Imaging Informatics	3	Clarkson College	Fall/Spring	
DMI 453	Organizational Planning & Vision for Medical Imaging Informatics	3	Clarkson College	Fall/Spring/Summer	
DMI 454	Advanced Assessment & Application for Medical Imaging Informatics	3	Clarkson College	Fall/Spring/Summer	
DMI 455	Foundations in MI Education	3	Clarkson College	Spring	
DMI 456	Leadership in MI	3	Clarkson College	Summer	
DMI 457	Introduction to Medical 3D Imaging Segmentation & Applications	3	Clarkson College	Fall/Spring/Summer	

DMI 458	Advanced Medical 3D Imaging Segmentation & Applications	3	Clarkson College	Fall/Spring/Summer	
DMI 459	Medical 3D Printing Specialist Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 470	Advanced Vascular Interventional Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 471	Advanced Cardiac Interventional Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 474	Advanced Pediatric Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 475	Advanced CT Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 476	Advanced MRI Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 478	Advanced Mammography Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 481	Advanced Bone Densitometry Externship	3	Clarkson College	Fall/Spring/Summer	
DMI 492	Independent Studies in Medical Imaging	1-4	Clarkson College	Fall/Spring/Summer	

\* Designated service course

### Medical Imaging Informatics Certificate

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

#### Major Course Requirements 12 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
DMI 451	Technology Utilization for Medical Imaging Informatics	3	Clarkson College	Fall/Spring	
DMI 452	Operational Strategies for Medical Imaging Informatics	3	Clarkson College	Fall/Spring	
DMI 453	Organizational Planning & Vision for Medical Imaging Informatics	3	Clarkson College	Fall/Spring	
DMI 454	Advanced Assessment & Application for Medical Imaging Informatics	3	Clarkson College	Fall/Spring	

Classes will be 6 weeks in length. Students may take one or two classes per semester, but they must be taken in succession.

### Medical 3D Printing Specialist Certificate

Students who complete the following course requirements are eligible for the Medical 3D Printing Specialist Certificate.

#### Major Course Requirements 12 semester hours

COURSE	COURSE TITLE	HOURS	INSTITUTION	SEMESTER COMPLETED	GRADE
DMI 410	Cross Sectional Anatomy I	3	Clarkson College	Fall/Summer	
DMI 411	Cross Sectional Anatomy II	3	Clarkson College	Fall/Spring	
DMI 457	Introduction to Medical 3D Imaging Segmentation & Applications	3	Clarkson College	Fall/Spring/Summer	
DMI 458	Advanced Medical 3D Imaging Segmentation & Applications	3	Clarkson College	Fall/Spring/Summer	

**Service Requirement** Associate and Bachelor programs require students to complete service experiences in Intercultural Communications and a minimum of 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  
Associate's degree: At least 40 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.