

PROCEDURE: Curriculum:

Students in the SOMI have several choices regarding curriculum tracks. All sophomore (year 2) students follow the same curriculum. At the end of the sophomore year, students may elect to continue in the radiography track or apply to the sonography track. Sonography will be limited enrollment and selection criteria are primarily based on MI coursework GPA. In the event of a tie, MU science courses and MU GPA will be used as the determining factor. Senior students (year 4) in either sonography or radiography have additional options. Radiography students will select from one of six advanced modality tracks. Sonography will select General/OB-GYN or Cardiovascular. A new option is available to students from the Marshall University Department of Physics whereby the student may obtain a double major in imaging and physics or a minor in either. See separate curriculum grid below. General Education requirements from Marshall University may change. Students should consult with the College of Health Professions at MU to determine any general education requirements. Students are required to complete both MU and SMMC graduation requirements prior to receiving their certificate from SMMC. Specific course sequences are subject to change.

BS Medical Imaging Radiography

BS MI Core Curriculum: General Ed requirements in (red) Program prerequisites in (blue)			
Year 1 Fall		Year 1 Spring	
Course	Credit	Course	Credit
BSC 227 Human Anatomy	4	BSC 228 Human Physiology (Nat science)	4
Communication: Course	3	PHY 101 Conceptual Physics	3
Medical Terminology (CT)	3	PHY 101L Conceptual physics lab	1
ENG 101 English Composition I (or equivalent) (composition)	3	Social Science Course	3
MTH 121 or higher NOT MTH 125 (mathematics)	3	FYS 100 First Yr Sem Critical Thinking	3
		Composition: English 201	3
Total	16	Total	17
Admission to MI program between year 1 and 2			
Year 2 Fall		Year 2 Spring	
MI 201 Introduction to Medical Imaging	3	MI 207 Imaging Procedures II	4
MI 202 Patient Care in Imaging Science	3	MI 208 Pharmacology for Imaging Science	2
MI 204 Radiographic Anatomy	3	MI 209 Intro to Equipment	3
MI 205 Imaging Procedures I	4	MI 210 Clinical Practice II	4
MI 206 Clinical Practice I	4	MI 212 Seminar in Imaging Science	1
MI 211 Seminar Imaging Science	1	MI 304 Pathology	3
Total	18	Total	17
Summer (1st Intercession)			
MI 213 Elective Clinical Practicum I	4		
Total	4		
Year 3 Fall RADIOGRAPHY		Year 3 Spring	

MI 302 Principles of Rad Production	3	MI 308 Rad Image Analysis	2
MI 303 Image Acquisition	3	MI 309 Digital Image Acquisition	2
MI 305 Clinical Practice IV	4	MI 310 Clinical Practice V	4
MI 306 Seminar in Imaging Sciences	1	MI 311 Seminar Imaging Sciences	1
MI 307 Radiobiology	3	MI 322 Radiation Safety	3
MI 321 Procedures III	3	Statistics (pre-requisite for MI 410)	3
Total	17	Total	15
Summer (1st intercession)			
MI 320 (Elective Clinical Practicum)	4		
Total	4		
Year 4 Radiography Professional Level: Students will select one of the following areas of emphasis			
Computed Tomography/Magnetic Resonance Imaging, Cardiovascular/Interventional, Mammography or Trauma/Surgery. Professional RTs may select the Management Area of Emphasis.			
MRI Elective Track			
Year 4 Fall		Year 4 Spring	
MI 401 Seminar in Imaging Sci	1	MI 410 Research Medical Imaging (Capstone)* Requires Statistics as a pre-requisite	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 404 Advanced Sectional Anatomy	3	MI 432 Advanced MRI Theory	3
MI 406 MRI Equip and Proc	4	MI 435 Seminar ARRT Review II	1
MI 409 Adv Clinic I	4		
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	16-22	Total	14
CT Elective Track			
Year 4 Fall		Year 4 Spring	
MI 401 Seminar in Imaging Science	1	MI 405 CT Equipment and Proc	3
MI 402 Quality Management	3	MI 410 Research Methods (Capstone)* Requires statistics as a pre-requisite	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 404 Advanced Sectional Anatomy	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinic	4	MI 435 Seminar ARRT	1

		Review II	
MI 428 Forensic Radiography (Elective)	3		1
MI 433 Point of Care Ultrasound (Elective)			
Fine arts	3		
Total	14-20		14
Vascular Interventional Radiology Track			
Fall		Spring	
MI 401 Seminar in Img Sci	1	MI 407 Cardiovascular Anatomy	3
MI 402 Quality Management	3	MI 410 Research Medical Imaging (Capstone)* Requires Statistics as a pre-requisite.	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 408 Vascular Interventional	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice I	4	MI 435 Seminar ARRT Review II	1
MI 428 Forensic Radiography (Elective)	3		
MI 433 Point of Care Ultrasound (required)	3		
Fine arts	3		
Total	20-23	Total	14
Cardiovascular Track			
Fall		Spring	
MI 401 Seminar in Img Science	1	MI 407 Cardiovascular Anatomy	3
MI 402 Quality Management	3	MI 410 Research Medical Imaging (Capstone)* Requires Statistics as a pre-requisite.	3
MI 403 Advanced Practice Med Img (Writing Intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 409 Adv Clinic	4	MI 426 Adv Clinical Practice II	4
MI 428 Forensic Radiography (elective)		MI 435 Seminar ARRT Review II	1
MI 433 Point of Care Ultrasound (required)	3		
MI 434 Cardiovascular Imaging	3		
Fine Arts	3		
Total	20-23		14
Mammography Track			
Fall		Spring	
MI 401 Seminar in Imag Sci	1	MI 410 Research Medical Imaging (Capstone)* Requires Statistics as a pre-requisite.	3

MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice I	3	MI 430 Mammography II	3
MI 414 Mammography I	4	MI 435 Seminar ARRT Review II	1
MI 428 Forensic Radiography (Elective)	3	MI 437 Breast Sonography (Elective)	3
Fine arts	3		
Total	17-20	Total	17
Management Track Fall RTs Only		Spring RTs Only	
MI 402 Quality Management	3		
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 410 Research Medical Imaging (Capstone)* Requires Statistics as a pre-requisite.	3
MI 412 Radiography Management I	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 409 Adv Clinical Practice	4	MI 413 Radiography Management II	3
MI 428 Forensic Radiography (Elective)	3	MI 415 RIS and PACS Technology	3
Fine arts	3	MI 426 Adv Clinical Practice II	4
Total	17-20	Total	16
Adv Diagnostic Trauma/Surgery Rad Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 410 Research Medical Imaging (Capstone)* Requires Statistics as a pre-requisite.	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice	4	MI 429 Geriatric/Pediatric Radiography	3
MI 427 Adv Trauma-Surgical Radiography	3	MI 435 Seminar ARRT Review II	1
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20		14
BS Medical Imaging: Sonography			
YEAR Three SONOGRAPHY Students may select General Sonography or Cardiovascular Sonography area of			

emphasis by the spring semester of the junior year			
Summer Intercession			
MI 214 Intro to Sonography	3		
Total	3		
Fall (General Sonography)		Spring (General/ Sonography)	
MI 306 Seminar Imaging Science	1	MI 311 Seminar Imaging Science	1
MI 312 Abdominal Sonography I	4	MI 315 Small Parts	3
MI 313 Ultrasound Physics I	3	MI 316 Abdominal Sonography II	3
MI 314 Clinical Practice I Sonography	4	MI 317 Ultrasound Physics II	3
MI 318 Vascular I	4	MI 319 Clinical Practice II Sonography	4
Statistics (fall or spring)	3	MI 416 Obstetrical sonography I	3
	3	Statistics (fall or spring)	3
Total	16-19	Total	17-20
Summer (1st intercession)			
MI 320 Required	4		
Total	4		

Cardiovascular Sonography Track

Summer Intercession			
MI 214 Intro to Sonography	3		
Total	3		
Year Three Cardiovascular Fall		Spring (Cardiovascular)	
MI 306 Seminar Imaging Science	1	MI 311 Seminar Imaging Science	1
MI 312 Abdominal Sonography I	4	MI 316 Abdominal Sonography II	3
MI 313 Ultrasound Physics I	3	MI 317 Ultrasound Physics II	3
MI 314 Clinical Practice I Sonography	4	MI 319 Clinical Practice II Sonography	4
MI 315 Small Parts Sonography	3	MI 407 Cardiovascular anatomy	3
MI 318 Vascular I	3	MI 424 Vascular II	3
		Statistics (fall or spring)	3
Total	18		17-20
Summer (1st intercession)			
MI 320 Clinic II	3		
Total	3		
Year Four General Sonography Track Fall		Spring	
MI 403 Adv Practice Med Imaging (Writing Intensive)	3	MI 410 Research Medical Imaging (Capstone)* Requires Statistics as a	3

		pre-requisite.	
MI 417 Gynecological Sonography I	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 418 Registry Review	1	MI 421 Gynecological Sonography II	2
MI 419 Clinical Practice III	4	MI 422 Clinical Practice IV Sonography	4
MI 420 Obstetrical Sonography II	2	MI 436 Registry Review	1
MI 438 Fetal Echo (Elective)	3	MI 424 Vascular II (Elective)	3
		Fine arts	3
Total	18-21	Total	13-19
Cardiovascular Sonography Track Fall		Spring	
MI 403 Adv Practice Med Imaging (Writing Intensive)	3	MI 410 Research Medical Imaging (Capstone)* Requires Statistics as a pre-requisite.	3
MI 418 Registry Review	1	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 419 Clinical Practice III Sonography	4	MI 422 Clinical Practice IV Sonography	4
MI 423 Echasonography I	3	MI 425 Echasonography II	3
MI 428 Forensic Radiography (Elective)	3	MI 436 Registry Review	1
Fine arts (fall or spring)	3	Fine arts (fall or spring)	3
Total	13-16	Total	14-17
Summer Clinical Elective for radiography or sonography			
MI 431	4		
Total	4		

BS Medical Imaging Physics Area of Emphasis

BS MI Core Curriculum: Physics Area of Interest Option One. Student enters medical imaging program in junior year and does not complete advanced imaging options. This option is designed for the student who wishes to obtain the basic imaging certification and then to continue into graduate school in medical physics or dosimetry.

Year 1 Fall		Year 1 Spring	
Course	Credit	Course	Credit
BSC 227 Human Anatomy	4	BSC 228 Human Physiology (Nat science	4
PHY 211 University Physics I	3	PHY 213 University Physics II	3
PHY 202 Gen Physics Lab I	1	PHY 204 General Physics Lab II	1
ENG 101 English Composition I (or equivalent) (composition)	3	Social Science Course	3
MTH 229	3	FYS 100 First Yr Sem Critical Thinking	3
Medical Terminology (CT)	3	Composition: English 201	3

Total	17	Total	17
Admission to MI program between year 1 and 2			
Year 3 Fall		Year 3 Spring	
MI 201 Introduction to Radiography	3	MI 207 Imaging Procedures II	4
MI 202 Patient Care in Imaging Science	3	MI 208 Pharmacology for Imaging Science	2
MI 204 Radiographic Anatomy	3	MI 304 Radiographic Pathology	3
MI 205 Imaging Procedures I	4	MI 210 Clinical Practice II	4
MI 206 Clinical Practice I	4	MI 212 Seminar in Imaging Science	1
MI 211 Seminar Imaging Science	1	Humanities Course	3
Total	18	Total	17
Summer Clinical Elective for radiography			
MI 213	4		
Total	3-7		
Year 4 Fall RADIOGRAPHY		Year 4 Spring	
	3	MI 302 Radiographic Equipment and Physics II	3
MI 303 Image Acquisition	3	MI 308 Rad Image Analysis	2
MI 305 Clinical Practice IV	4	MI 309 Digital Image Acquisition	2
MI 306 Seminar Imaging Sciences	1	MI 310 Clinical Practice V	4
MI 307 Radiobiology	3	MI 311 Seminar Imaging Sciences	1
MI 321 Procedures III	3	Statistics 345	3
Total	17	Total	15
Summer Clinical Elective for radiography or sonography			
MI 320	4		
Total	4		
Year 4 Radiography Professional Level: Students will select one of the following areas of emphasis			
Computed Tomography/Magnetic Resonance Imaging, Cardiovascular/Interventional, Mammography or Management			
CT Track			
Year 4 Fall		Year 4 Spring	
MI 401 Seminar in Imaging Sci	1	MI 405 CT Equip and Procedures	3
MI 402 Quality Management	3	MI 410 Research Medical Imaging (Capstone) Requires Statistics as a prerequisite.	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 404 Adv Sectional Anatomy	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinic I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20	Total	14
Summer Intercession			
MI 431 Adv Clinical Practice in Rad or Sonography (Elective)	4		
MRI Track			
Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 410 Research Medical Imaging (Capstone) Requires statistics as a pre-requisite.	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3

MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 404 Adv Sectional Anatomy	3	MI 432 Adv MRI Theory	3
MI 406 MRI Equip and Proc	3	MI 435 Seminar ARRT Exam Review II	1
MI 409 Adv Clinic I	4		
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20	Total	14
Summer Intercession			
Cardiovascular/Interventional Radiology Track			
Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 407 Cardiovascular Anatomy	3
MI 402 Quality Management	3	MI 410 Research Medical Imaging (Capstone) Requires statistics as a prerequisite	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 408 Vascular Interventional Img or MI 434 Cardiovascular Imaging	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
MI 433 Point of Care Ultrasound (Elective)	3		
Fine arts	3		
Total	19-22	Total	14
Summer Intercession			
Mammography Track Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 410 Research Medical Imaging (Capstone) Requires Statistics as a pre-requisite	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 414 Mammography I	3	MI 430 Mammography II	3
MI 409 Adv Clinical Practice I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
MI 433 Point of Care Ultrasound (Elective)	3		
Fine arts	3		
Total	16-19		
Summer Intercession			
Fine arts	3		
Total	17-20	Total	17
Adv Diagnostic Rad Fall		Spring	
MI 401 Seminar in Imaging Science	1	MI 410 Research Medical Imaging (Capstone) Requires Statistics as a pre-requisite	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice	4	MI 429 Geriatric/Pediatric Radiography	3
MI 427 Adv Trauma-Surgical Radiography	3	MI 435 Seminar ARRT Exam Review II	1

MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20		14
Summer Clinical Elective for radiography or sonography			
MI 431	4		
Total	4		

BS MI Core Curriculum: Physics Area of Interest Option Two. Student could pursue advanced imaging area of interest as well as physics.			
Year 1 Fall		Year 1 Spring	
Course	Credit	Course	Credit
BSC 227 Human Anatomy	4	BSC 228 Human Physiology (Nat science	4
PHY 211 University Physics I	3	PHY 213 University Physics II	3
PHY 202 Gen Physics Lab I	1	PHY 204 General Physics Lab II	1
ENG 101 English Composition I (or equivalent) (composition)	3	Social Science Course	3
MTH 229	3	FYS 100 First Yr Sem Critical Thinking	3
Medical Terminology (CT)	3	Composition: English 201	3
Total	17	Total	17
Admission to MI program between year 1 and 2			
Year 2 Fall		Year 2 Spring	
MI 201 Introduction to Radiography	3	MI 207 Imaging Procedures II	4
MI 202 Patient Care in Imaging Science	3	MI 208 Pharmacology for Imaging Science	2
MI 204 Radiographic Anatomy	3	MI 304 Radiographic Pathology	3
MI 205 Imaging Procedures I	4	MI 210 Clinical Practice II	4
MI 206 Clinical Practice I	4	MI 212 Seminar in Imaging Science	1
MI 211 Seminar Imaging Science	1	Humanities Course	3
Total	18	Total	17
Summer Clinical Elective for radiography or sonography			
MI 213	4		
Communications Course	3		
Total	3-7		
Year 3 Fall RADIOGRAPHY		Year 3 Spring	
	3	MI 302 Radiographic Equipment and Physics II	3
MI 303 Image Acquisition	3	MI 308 Rad Image Analysis	2
MI 305 Clinical Practice IV	4	MI 309 Digital Image Acquisition	2
MI 306 Seminar Imaging Sciences	1	MI 310 Clinical Practice V	4
MI 307 Radiobiology	3	MI 311 Seminar Imaging Sciences	1
MI 321 Procedures III	3	Statistics 345	3
Total	17	Total	15
Summer Clinical Elective for radiography or sonography			
MI 320	4		
Total	4		

Year 4 Radiography Professional Level: Students will select one of the following areas of emphasis			
Computed Tomography/Magnetic Resonance Imaging, Cardiovascular/Interventional, Mammography or Management			
CT Track			
Year 4 Fall		Year 4 Spring	
MI 401 Seminar in Imaging Sci	1	MI 405 CT Equip and Procedures	3
MI 402 Quality Management	3	MI 410 Research Medical Imaging (Capstone)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 404 Adv Sectional Anatomy	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinic I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20	Total	14
Summer Intercession			
MI 431 Adv Clinical Practice in Rad or Sonography (Elective)	4		
MRI Track			
Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 410 Research Medical Imaging (Capstone)	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 404 Adv Sectional Anatomy	3	MI 432 Adv MRI Theory	3
MI 406 MRI Equip and Proc	3	MI 435 Seminar ARRT Exam Review II	1
MI 409 Adv Clinic I	4		
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20	Total	14
Summer Intercession			
Cardiovascular/Interventional Radiology Track			
Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 407 Cardiovascular Anatomy	3
MI 402 Quality Management	3	MI 410 Research Medical Imaging (Capstone)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 408 Vascular Interventional Img or MI 434 Cardiovascular Imaging	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
MI 433 Point of Care Ultrasound (Elective)	3		
Fine arts	3		
Total	19-22	Total	14
Summer Intercession			
Mammography Track Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 410 Research Medical Imaging (Capstone)	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 414 Mammography I	3	MI 430 Mammography II	3

MI 409 Adv Clinical Practice I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
MI 433 Point of Care Ultrasound (Elective)	3		
Fine arts	3		
Total	16-19		
Summer Intercession			
Fine arts	3		
Total	17-20	Total	17
Adv Diagnostic Rad Fall		Spring	
MI 401 Seminar in Imaging Science	1	MI 410 Research Medical Imaging (Capstone)	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice	4	MI 429 Geriatric/Pediatric Radiography	3
MI 427 Adv Trauma-Surgical Radiography	3	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20		14
Summer Clinical Elective for radiography or sonography			
MI 431	4		
Total	4		

BS MI Core Curriculum: Physics Area of Interest Option Two. Student could pursue advanced imaging area of interest as well as physics.			
Year 1 Fall		Year 1 Spring	
Course	Credit	Course	Credit
BSC 227 Human Anatomy	4	BSC 228 Human Physiology (Nat science)	4
PHY 211 University Physics I	3	PHY 213 University Physics II	3
PHY 202 Gen Physics Lab I	1	PHY 204 General Physics Lab II	1
ENG 101 English Composition I (or equivalent) (composition)	3	Social Science Course	3
MTH 229	3	FYS 100 First Yr Sem Critical Thinking	3
Medical Terminology (CT)	3	Composition: English 201	3
Total	17	Total	17
Admission to MI program between year 1 and 2			
Year 2 Fall		Year 2 Spring	
MI 201 Introduction to Radiography	3	MI 207 Imaging Procedures II	4
MI 202 Patient Care in Imaging Science	3	MI 208 Pharmacology for Imaging Science	2
MI 204 Radiographic Anatomy	3	MI 304 Radiographic Pathology	3
MI 205 Imaging Procedures I	4	MI 210 Clinical Practice II	4
MI 206 Clinical Practice I	4	MI 212 Seminar in Imaging Science	1
MI 211 Seminar Imaging Science	1	Humanities Course	3
Total	18	Total	17
Summer Clinical Elective for radiography or			

sonography			
MI 213	4		
Communications Course	3		
Total	3-7		
Year 3 Fall RADIOGRAPHY		Year 3 Spring	
	3	MI 302 Radiographic Equipment and Physics II	3
MI 303 Image Acquisition	3	MI 308 Rad Image Analysis	2
MI 305 Clinical Practice IV	4	MI 309 Digital Image Acquisition	2
MI 306 Seminar Imaging Sciences	1	MI 310 Clinical Practice V	4
MI 307 Radiobiology	3	MI 311 Seminar Imaging Sciences	1
MI 321 Procedures III	3	Statistics 345	3
Total	17	Total	15
Summer Clinical Elective for radiography or sonography			
MI 320	4		
Total	4		
Year 4 Radiography Professional Level: Students will select one of the following areas of emphasis			
Computed Tomography/Magnetic Resonance Imaging, Cardiovascular/Interventional, Mammography or Management			
CT Track			
Year 4 Fall		Year 4 Spring	
MI 401 Seminar in Imaging Sci	1	MI 405 CT Equip and Procedures	3
MI 402 Quality Management	3	MI 410 Research Medical Imaging (Capstone)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 404 Adv Sectional Anatomy	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinic I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20	Total	14
Summer Intercession			
MI 431 Adv Clinical Practice in Rad or Sonography (Elective)	4		
MRI Track			
Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 410 Research Medical Imaging (Capstone)	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 404 Adv Sectional Anatomy	3	MI 432 Adv MRI Theory	3
MI 406 MRI Equip and Proc	3	MI 435 Seminar ARRT Exam Review II	1
MI 409 Adv Clinic I	4		
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20	Total	14
Summer Intercession			
Cardiovascular/Interventional Radiology Track			
Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 407 Cardiovascular Anatomy	3
MI 402 Quality Management	3	MI 410 Research Medical Imaging (Capstone)	3

MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 408 Vascular Interventional Img or MI 434 Cardiovascular Imaging	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
MI 433 Point of Care Ultrasound (Elective)	3		
Fine arts	3		
Total	19-22	Total	14
Summer Intercession			
Mammography Track Fall		Spring	
MI 401 Seminar in Imaging Sci	1	MI 410 Research Medical Imaging (Capstone)	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 414 Mammography I	3	MI 430 Mammography II	3
MI 409 Adv Clinical Practice I	4	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
MI 433 Point of Care Ultrasound (Elective)	3		
Fine arts	3		
Total	16-19		
Summer Intercession			
Fine arts	3		
Total	17-20	Total	17
Adv Diagnostic Rad Fall		Spring	
MI 401 Seminar in Imaging Science	1	MI 410 Research Medical Imaging (Capstone)	3
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing intensive)	3	MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinical Practice	4	MI 429 Geriatric/Pediatric Radiography	3
MI 427 Adv Trauma-Surgical Radiography	3	MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective)	3		
Fine arts	3		
Total	17-20		14
Summer Clinical Elective for radiography or sonography			
MI 431	4		
Total	4		