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 gird 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

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

MI 302 Principles of Rad	3	MI 308 Rad Image	2
Production		Analysis	
MI 303 Image Acquisition	3	MI 309 Digital Image	2
		Acquisition	
MI 305 Clinical Practice	4	MI 310 Clinical Practice V	4
IV			
MI 306 Seminar in	1	MI 311 Seminar Imaging	1
Imaging Sciences		Sciences	
MI 307 Radiobiology	3	MI 322 Radiation Safety	3
MI 321 Procedures III	3	Statistics (pre-requisite	3
		for MI 410)	
Total	17	Total	15
Summer (1 st			
intercession)			
MI 320 (Elective Clinical	4		
Practicum)			
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	1	MI 410 Research Medical	3
Imaging Sci		Imaging (Capstone)*	
		Requires Statistics as a	
		pre-requisite	
MI 402 Quality	3	MI 411 Transcultural	3
Management		Healthcare (Writing	
		intensive, multicultural)	
MI 403 Adv Practice	3	MI 426 Adv Clinical	4
Medical Img (Writing		Practice II	
intensive)			
MI 404 Advanced	3	MI 432 Advanced MRI	3
Sectional Anatomy		Theory	
MI 406 MRI Equip and	4	MI 435 Seminar ARRT	1
Proc		Review II	
MI 409 Adv Clinic I	4		
MI 428 Forensic	3		
Radiography (Elective)			
Fine arts	3		
Total	16-22	Total	14
CT Elective Track			

CT Elective Track			
Year 4 Fall		Year 4 Spring	
MI 401 Seminar in	1	MI 405 CT Equipment and	3
Imaging Science		Proc	
MI 402 Quality	3	MI 410 Research Methods	3
Management		(Capstone)* Requires	
		statistics as a pre-	
		requisite	
MI 403 Adv Practice	3	MI 411 Transcultural	3
Medical Img (Writing		Healthcare (Writing	
intensive)		intensive, multicultural)	
MI 404 Advanced	3	MI 426 Adv Clinical	4
Sectional Anatomy		Practice II	
MI 409 Adv Clinic	4	MI 435 Seminar ARRT	1

	I	D: H	Ţ
MI 420 E		Review II	1
MI 428 Forensic	3		1
Radiography (Elective)			
MI 433 Point of Care			
Ultrasound (Elective)			
Fine arts	3		
Total	14-20		14
Vascular Intervention	onal Radiology Track		
Fall		Spring	
MI 401 Seminar in Img Sci	1	MI 407 Cardiovascular	3
		Anatomy	
MI 402 Quality	3	MI 410 Research Medical	3
Management		Imaging (Capstone)*	
		Requires Statistics as a	
		pre-requisite.	
MI 403 Adv Practice	3	MI 411 Transcultural	3
Medical Img (Writing		Healthcare (Writing	
intensive)		intensive, multicultural)	
MI 408 Vascular	3	MI 426 Adv Clinical	4
Interventional		Practice II	
MI 409 Adv Clinical	4	MI 435 Seminar ARRT	1
Practice I		Review II	
MI 428 Forensic	3		
Radiography (Elective)			
MI 433 Point of Care	3		
Ultrasound (required)			
Fine arts	3		
Total	20-23	Total	14
Cardiovascular Trac	ck	•	
Fall		Spring	
MI 401 Seminar in Img	1	MI 407 Cardiovascular	3
Science		Anatomy	3
MI 402 Quality	3	MI 410 Research Medical	3
Management	3	Imaging (Capstone)*	3
Wanagement		Requires Statistics as a	
		pre-requisite.	
MI 403 Advanced Practice	3	MI 411 Transcultural	3
Med Img (Writing		Healthcare (Writing	-
Intensive)		intensive, multicultural)	
MI 409 Adv Clinic	4	MI 426 Adv Clinical	4
		Practice II	
MI 428 Forensic		MI 435 Seminar ARRT	1
Radiography (elective)		Review II	
MI 433 Point of Care	3		
Ultrasound (required)			
MI 434 Cardiovascular	3		
Imaging			
Fine Arts	3		
Total	20-23		14
Mammography Tra	ck		
Fall		Spring	
MI 401 Seminar in Imag	1	MI 410 Research Medical	3
Sci	1	Imaging (Capstone)*	3
501		Requires Statistics as a	
		pre-requisite.	
	1	pre-requisite.	

		_	
MI 402 Quality	3	MI 411 Transculural	3
Management		Healthcare (Writing	
		intensive, multicultural)	
		michigave, marcrearearary	
MI 403 Adv Practice	3	MI 426 Adv Clinical	4
		Practice II	-
Medical Img (Writing		Practice II	
intensive)			
MI 409 Adv Clinical	3	MI 430 Mammography II	3
Practice I			
MI 414 Mammography I	4	MI 435 Seminar ARRT	1
		Review II	
MI 428 Forensic	3	MI 437 Breast Sonography	3
Radiography (Elective)		(Elective)	3
	2	(Elective)	
Fine arts	3		
Total	17-20	Total	17
Management		Spring RTs Only	
Track Fall RTs		Frank and	
Track Fall RTS			
Only			
MI 402 Quality	3		
	3		
Management	1	1257 110 72 11 1	
MI 403 Adv Practice	3	MI 410 Research Medical	3
Medical Img (Writing		Imaging (Capstone)*	
intensive)		Requires Statistics as a	
		pre-requisite.	
MI 412 Radiography	3	MI 411 Transcultural	3
Management I		Healthcare (Writing	
Widnagement 1		intensive, multicultural)	
MI 400 4 1 CI: 1	1		2
MI 409 Adv Clinical	4	MI 413 Radiography	3
Practice		Management II	
MI 428 Forensic	3	MI 415 RIS and PACS	3
Radiography (Elective)		Technology	
Fine arts	3	MI 426 Adv Clinical	4
		Practice II	
Total	17-20	Total	16
	17-20	Total	10
Adv Diagnostic			
Trauma/Surgery		Spring	
		Spring	
Rad Fall			
MI 401 Seminar in	1	MI 410 Research Medical	3
Imaging Sci		Imaging (Capstone)*	
		Requires Statistics as a	
		pre-requisite.	
MI 402 Quality	3	MI 411 Transcultural	3
	3]
Management		Healthcare (Writing	
	1_	intensive, multicultural)	1
MI 403 Adv Practice	3	MI 426 Adv Clinical	4
Medical Img (Writing		Practice II	
intensive)			
MI 409 Adv Clinical	4	MI 429 Geriatric/Pediatric	3
Practice		Radiography	
MI 427 Adv Trauma-	3	MI 435 Seminar ARRT	1
	3		1
Surgical Radiography	+	Review II	ļ
MI 428 Forensic	3		
Radiography (Elective)			
Fine arts	3	1	<u> </u>
	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 sem	nester of the junior year		
Summer			
Intercession			
MI 214 Intro to Sonography	3		
Total	3		
Fall (General		Spring (General/	
Sonography)		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 (1 st 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 (1 st			
intercession)			
MI 320 Clinic II	3		
Total	3		
Year Four			
General Sonography		Spring	
Track			
Fall			
MI 403 Adv Practice Med	3	MI 410 Research Medical	3
Imaging (Writing		Imaging (Capstone)*	
Intensive)		Requires Statistics as a	

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

		T	
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)	3	Social Science Course	3
(composition)			
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	<u>.</u>
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	15
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 Mai	nagement
CT Track	lagement
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) Re	
Statistics as a prerequisite.	squires 5
MI 403 Adv Practice Medical Img (Writing 3 MI 411 Transcultural Healthcare (Writing intens	sive, 3
intensive) multicultural)	,, ,
MI 404 Adv Sectional Anatomy 3 MI 426 Adv Clinical Practice II	4
MI 409 Adv Clinic I MI 409 Adv Clinic I 4 MI 435 Seminar ARRT Exam Review II	1
MI 428 Forensic Radiography (Elective) 3	
NIDO OFFE	14
Fine arts 3	
Total 17-20 Total	
Total 17-20 Total Summer Intercession	14
Total 17-20 Total Summer Intercession MI 431 Adv Clinical Practice in Rad or 4	
Total 17-20 Total Summer Intercession 4 Sonography (Elective) 4 Total Total Total	
Total 17-20 Total Summer Intercession MI 431 Adv Clinical Practice in Rad or Sonography (Elective) MRI Track	
Total 17-20 Total Summer Intercession MI 431 Adv Clinical Practice in Rad or Sonography (Elective) MRI Track Fall Spring	
Total 17-20 Total Summer Intercession 4 MI 431 Adv Clinical Practice in Rad or Sonography (Elective) MRI Track Fall Spring MI 401 Seminar in Imaging Sci 1 MI 410 Research Medical Imaging (Capstone) Researc	
Total 17-20 Total Summer Intercession 4 MI 431 Adv Clinical Practice in Rad or Sonography (Elective) 5 MRI Track Fall Spring	equires 3
Total 17-20 Total Summer Intercession 4 MI 431 Adv Clinical Practice in Rad or Sonography (Elective) MRI Track Fall Spring MI 401 Seminar in Imaging Sci 1 MI 410 Research Medical Imaging (Capstone) Researc	equires 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	1		
Cardiovascular/Interventional Radiology Track		. L	
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	3
Wil 402 Quality Wallagement		statistics as a prerequisite	
MI 403 Adv Practice Medical Img (Writing	3	MI 411 Transcultural Healthcare (Writing intensive,	3
intensive)		multicultural)	
MI 408 Vascular Interventional Img or MI 434	3	MI 426 Adv Clinical Practice II	4
Cardiovascular Imaging	3	WII 420 Adv Cliffical Fractice II	7
MI 409 Adv Clinical Practice I	4	MI 435 Seminar ARRT Exam Review II	1
	•	WII 433 Sellilliai ARRI Exall Review II	+
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	3	MI 426 Adv Clinical Practice II	4
intensive)			
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		1
Fine arts	3		
Total	16-19		
Summer Intercession			
Fine arts	3		1
Total	17-20	Total	17
Adv Diagnostic Rad Fall	 	Spring	1
MI 401 Seminar in Imaging Science	1	MI 410 Research Medical Imaging (Capstone) Requires	3
A44402 O. IV. A4		Statistics as a pre-requisite	
MI 402 Quality Management	3	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 403 Adv Practice Medical Img (Writing	3	MI 426 Adv Clinical Practice II	4
intensive) 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)	3	Social Science Course	3
(composition)			
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 se Computed Tomography/Magnetic Resonance Imaging,			
CT Track	Carulovas	scular/interventional, Maininography or Management	
Year 4 Fall		Year 4 Spring	
	1	·	1 2
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	4		
(Elective)			
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,	3
		multicultural)	
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	1		-1
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,	3
,		multicultural)	
MI 408 Vascular Interventional Img or MI 434	3	MI 426 Adv Clinical Practice II	4
Cardiovascular Imaging			
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	13 22		+
Mammography Track Fall	1	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,	3
ivii 402 Quanty ivianagement	3	multicultural)	3
MI 402 Adv Practice Medical Ima (Meiting interactive)	2		4
MI 403 Adv Practice Medical Img (Writing intensive) MI 414 Mammography I	3	MI 426 Adv Clinical Practice II 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 Op	tion Two. St	udent could pursue advanced imaging area of inte	rest 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)	3	Social Science Course	3
(composition)			
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	1		T
MI 213	4		+
Communications Course	3		
Total	3-7		
	3-7	Voor 2 Caring	+
Year 3 Fall RADIOGRAPHY	1 2	Year 3 Spring	2
	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 sel			
Computed Tomography/Magnetic Resonance Imaging,	Cardiovas	scular/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,	3
		multicultural)	
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	4		
(Elective)			
MRI Track		<u> </u>	1
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,	3
Wil 402 Quality Wallagement		multicultural)	
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	33 Jenniul / MATT Exam Review II	+
MI 428 Forensic Radiography (Elective)	3		+
Fine arts	3		1
		Total	1.4
Total	17-20	Total	14
Summer Intercession			1
Cardiovascular/Interventional Radiology Track	1	I	_
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		