

# MEDICAL IMAGING RADIOGRAPHY, B.S.

## Major

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at <https://www.marshall.edu/gened/>.

Code	Title	Credit Hours
<b>Core Curriculum</b>		
<i>Core 1: Critical Thinking</i>		
FYS 100	First Yr Sem Critical Thinking	3
MTH 121 🌿	Concepts and Applications (CT)	3
CLS 105 🌿	Medical-Lab Terminology (CT)	3
<i>Core 2</i>		
ENG 101 🌿	Beginning Composition	3
ENG 201 🌿	Advanced Composition	3
CMM 103 🌿	Fund Speech-Communication	3
MTH 121 🌿	Concepts and Applications (CT)	3
BSC 228 🌿	Human Physiology	4
Core II Humanities		3
Core II Social Science		3
Core II Fine Arts		3
<i>Additional University Requirements</i>		
Writing Intensive		3
MI 403	Adv Practice Medical Img (recommended)	
Writing Intensive		3
MI 411 🌿	Transcultural Healthcare (recommended)	
Multicultural or International		3
MI 411 🌿	Transcultural Healthcare (recommended)	
Capstone (see advanced modality track)		3
<b>Major-Specific</b>		
BSC 227	Human Anatomy	4
BSC 228 🌿	Human Physiology	4
PHY 101 🌿	Conceptual Physics	3
PHY 101L 🌿	Conceptual Physics Lab	1
CLS 105 🌿	Medical-Lab Terminology (CT)	3
MI 201	Intro to Radiography	3
MI 202	Patient Care Img Science	3
MI 204	Radiographic Anatomy	3
MI 206	Clinical Practice I	4
MI 207	Imaging Procedures II	4
MI 208	Pharmacology for Imaging Sci	2
MI 209	Intro to Imaging Equip	3
MI 210	Clinical Practice II	4
MI 211	Seminar Imaging Science	1
MI 212	Seminar Imaging Sciences II	1
Statistics		3
<b>Area of Emphasis-Specific</b>		

Additional courses will vary depending on advanced modality track in fourth year.

MI 302	Princ of Radiation Physics	3
MI 303	Image Acquisition	3
MI 304	Radiographic Pathology	3
MI 305	Clinical Practice IV	4
MI 306	Seminar Imaging Science	1
MI 307	Radiobiology	3
MI 308	Rad Image Analysis	2
MI 309	Digital Image Acquisition	2
MI 310	Clinical Practice V	4
MI 311	Seminar Imaging Sciences III	1
MI 321	Imaging Procedures III	4

### Advanced Modality Track

In Year 4, students in the radiography area of emphasis must choose one of the four advanced modality tracks:

CT/MRI (27 hours)	27-30
Cardiovascular/Interventional (27 hours)	
Mammography (27 hours)	
Medical Imaging Management (30 hours)	

## Major Information

- Students in the Medical Imaging Program must maintain a minimum GPA of 2.50 and receive a grade of C or better in all MI coursework.
- All applicants must meet the professional guidelines established by the ARRT to sit for particular certification examinations.
- By Year 3, students must choose to continue in the radiography area of emphasis or apply to the competitive sonography area of emphasis. This academic map outlines the curriculum for those who choose the radiography area of emphasis.