















# GENERAL SONOGRAPHY, EMPHASIS

## 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)	
MI 410	Research Medical Imaging (Capstone)	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 205	Imaging Procedures I	4
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 306	Seminar Imaging Science	1
MI 311	Seminar Imaging Sciences III	1
MI 312	Abdominal Sonography I	4
MI 313	Ultrasound Physics I	3
MI 314	Clinical Practice I Sonography	4
MI 315	Small Parts Sonography	3
MI 316	Abdominal Sonography II	3
MI 317	Ultrasound Physics II	3
MI 318	Vascular Sonography I	4
MI 319	Clinical Prac II Sonography	4
MI 401	Seminar in Imaging Sci	1
MI 403	Adv Practice Medical Img (WI)	3
MI 410	Research Medical Imaging (C)	3
MI 411 	Transcultural Healthcare (WI, MC)	3
MI 419	Clinical Prac III Sonography	4
MI 422	Clinical Pract IV Sonography	4

### Advanced Modality Track

Beginning in Spring of Year 3, students in the sonography area of emphasis must choose one of the following two advanced modality tracks:

- General/OB-GYN Sonography (10 hours)
- Cardiovascular Sonography (12 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 are accepted into the sonography area of emphasis.