

BSMI/SONOGRAPHY CURRICULUM

Students in the SOMI have several choices regarding curriculum tracks. All SOMI 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 (based upon clinical affiliation agreements) and selection criteria are primarily based on SOMI coursework GPA. In the event of a tie, MU science courses and MU GPA will be used as the determining factor. Sonography students will select General (ABD/OB-GYN) or Cardiovascular (Vascular/Adult Echo) sonography track.

General Education requirements from Marshall University may change therefore 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.

BS MI Core Curriculum:

- General Ed requirements in **(red)**
- Program prerequisites in **(blue)** must be met prior to entering sonography...please refer back to the radiography courses
- Student discretion **(elective)**

SONOGRAPHY GRIDS: SOMI Radiology students applying for sonography may select General Sonography OR Cardiovascular Sonography area of emphasis by the spring semester of their SOMI Radiography junior year			
MI 214 Introduction to Sonography	4		

YEAR THREE		Spring (General Sonography)	
Fall (General Sonography)			
MI 312 Abdominal Sonography I	4	MI 416 Obstetrical sonography I	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
MI 306 Seminar Imaging Science	1	MI 311 Seminar Imaging Science	1
Statistics (fall or spring)	3	MI 315 Small Parts	3
		Statistics (fall or spring)	3
Total	16/19	Total	17/20
Summer (1st intercession) Required for sonography students			

MI 320 Summer Clinical Practicum I	4		
Total	4		
YEAR THREE Fall (Cardiovascular Sonography)		Spring (Cardiovascular Sonography)	
MI 312 Abdominal Sonography I	4	MI 317 Ultrasound Physics II	3
MI 313 Ultrasound Physics I	3	MI 424 Vascular II	3
MI 314 Clinical Practice I Sonography	4	MI 319 Clinical Practice II Sonography	4
MI 318 Vascular I	4	MI 407 Cardiovascular anatomy	3
MI 306 Seminar Imaging Science	1	MI 311 Seminar Imaging Science	1
Statistics (fall or spring)	3	MI 316 Abdominal Sonography II (Elective)	3
		MI 315 Small Parts (Elective)	3
		Statistics (fall or spring)	3

Total	16/19	Total	14/23
Summer (1st intercession) Required for sonography students			
MI 320 Summer Clinical Practicum	4		
Total	4		
YEAR FOUR Fall (General Sonography)		Spring (General Sonography)	
MI 403 Adv Practice Med Imaging (Writing Intensive)	3	MI 410 Research Medical Imag (Capstone)	3
MI 420 Obstetrical Sonography II	2	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 417 Gynecological Sonography I	3	MI 421 Gynecological Sonography II	2
MI 419 Clinical Practice III Sonography	4	MI 422 Clinical Practice IV Sonography	4
MI 418 Registry Review I	1	MI 436 Registry Review II	1
MI 438 Fetal Echo (Elective)	3	Fine Arts	3

		(fall or spring)	
Fine Arts (fall or spring)	3	MI 424 Vascular II (Elective)	3
Total	13/19	Total	13/19
Fall (Cardiovascular Sonography)		Spring(Cardiovascular Sonography)	
MI 403 Adv Practice Med Imaging (Writing Intensive)	3	MI 410 Research Medical Imag (Capstone)	3
MI 419 Clinical Practice III	4	MI 411 Transcultural Healthcare (Writing intensive, multicultural)	3
MI 423 Adult Echocardiography I	4	MI 425 Adult Echocardiography II	3
MI 428 Forensic Radiography (Elective)	3	MI 436 Registry Review	1
MI 418 Registry Review I	1	MI 422 Clinical Practice IV Sonography	4
Fine Arts (fall or spring)	3	Fine Arts (fall or spring)	3

Total	12/18	Total	14/17
Summer Clinical II			
MI 431 Summer Clinical Practicum II Sonography (Elective)	4		
Total	4		