Grand Valley State University
College of Health Professions

Bachelor of Science (B.S.)

Diagnostic Medical Sonography

Abdominal and Obstetrics/Gynecology

Secondary Admission Application Required

2024 – 2025 Catalog Year

1st Year

Fall		Winter		Spring/Summer
[1]MTH 110: Algebra Prerequisite to MTH 122 & STA 215	4	AHS 100: Medical Terminology	3	
SOC 105: Social Problems GE Social/Behav & US Div.	3	[3]BIO 120: General Biology I GE Life Science	4	
[2]WRT 150: Strategies in Writing GE Writing	4	MTH 122: College Algebra	3	
General Education Course Art	3	PSY 101: Intro. Psychology GE Social/Behavioral	3	
Electives (as needed to reach 120 credits)	1	Electives (as needed to reach 120 credits)	1	
Total	**15**	**Total**	**14**	

2nd Year

Fall (Program application opens: Oct. 1st)		Winter (Program application due: Feb. 1st)		Spring/Summer
[4]BMS 250: Anatomy and Physiology I	4	[6]AHS 301: Intro. Hlth Care Research <u>or</u> PSY 300	3	
[5]MTH 123: Trigonometry (Prerequisite to PHY 220)	3	[4]BMS 251: Anatomy and Physiology II	4	
STA 215: Intro. Applied Statistics GE Math	3	PHY 220: General Physics I GE Physical Science	5	
General Education Course Philosophy and Literature	3	General Education Course Global Perspectives	3	
General Education Course Historical Analysis	3			
Total	**16**	**Total**	**15**	

3rd Year ~ DMS Program Admission Required

Fall		Winter		Spring/Summer	
RIU 320/321: Ultrasound Physics I w/lab	3	RIU 301: DMS Image Evaluation I	1	RIU 362: Clinical Education II	4
RIU 322: Prin. Radiologic Imaging Sciences	3	RIU 324: Doppler Ultrasound Physics	2	General Education Issues & SWS	3
RIU 330: Abdominal Sonography I	4	RIU 332/333: Ob.-Gyn. Sonography I w/ lab	4		
RIU 331: Abdominal Sonography I Lab	2	RIU 361: Clinical Ultrasound Education I	2		
RIU 360: Introduction to Clinical Ultrasound	2	RIU 420: Ultrasound Physics Instruction II	2		
		RIT 441: Gross Human Sectional Anatomy	4		
Total	**14**	**Total**	**15**	**Total**	**7**

4th Year ~ DMS Program Admission Required

Fall		Winter		Spring/Summer
RIU 302: DMS Image Evaluation II	1	AHS 340: Health Care Management GE Issues	3	
RIU 430/431: Abd. Sonography II w/ lab	3	RIU 438: Vascular Technology Procedures II	2	
RIU 435: Ob.-Gyn. Sonography II	2	RIU 439: Vascular Technology Procedures II Lab	1	
RIU 436/437: Vascular Tech. Proc. I w/ lab	3	RIU 454: Adv. Ob.-Gyn. Sonography	3	
RIT 458: Neoplasms	3	RIU 461: Clinical Ultrasound Education IV	3	
RIU 460: Clinical Ultrasound Education III	3	RIU 495: Adv. Clinical Problems in Ultrasnd GE SWS	3	
Total	**15**	**Total**	**15**	

Curriculum Notes:

[1] MTH 108 and MTH 109 may be taken in place of MTH 110

[2] WRT 120 & WRT 130 may be taken in place of WRT 150. ("C" or better is required in WRT 130 or WRT 150)

[3] BIO 180 & BIO 280 **<u>or</u>** CMB 155 (lec) & 156 (lab) may be taken as a substitution. BIO 120 is only a prerequisite to BMS 250 and is not required by the major/program. See advisor!

[4] BMS 208, 290 and BMS 309 may be take in place of BMS 250 & 251. (BMS 391 is not required)

[5] MTH 123 is <u>not</u> required for the DMS major and is only listed on this guide as a prerequisite to PHY 220.

[6] PSY 300 (SWS) may be used in place of AHS 301. AHS 301 is NOT an SWS.

This is a suggested curriculum guide that might not be applicable to every student.

- Courses that include 'GE' are required in the major **<u>AND</u>** fulfill a General Education requirement.
- Two (2) Supplemental Writing Skills (SWS) courses are required.
- Student must have a **minimum of 120 credits** to graduate with **58 of the 120 credits** being from a senior level institution and the **final 30 of the 120 credits** completed at GVSU. Elective coursework may be necessary to meet these requirements.

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√	**Prerequisite Courses** *(Grade of "C" or better required in prerequisite courses)*	**College/University**	**Course**	**Grade**
	BMS 250 Anatomy and Physiology I			
	BMS 251 Anatomy and Physiology II			
	AHS 100 Medical Terminology			
	MTH 122 College Algebra			
	PHY 220 General Physics I			
	PSY 101 Introductory Psychology			
	SOC 105 Social Problems			
	STA 215 Introductory Applied Statistics			
	AHS 301 Introduction to Health Care Research or…**PSY 300** Research Methods in Psychology			

√	**Remaining General Education Requirements**	**Notes**
	WRT 150: Strategies in Writing <u>or</u> WRT 120/130 ("C" or higher required)	
	Life Sciences	
	Arts	
	Historical Analysis	
	Philosophy and Literature	
	Global Perspectives	
	Two Supplemental Writing Skills Courses (prerequisite: WRT 150) • One by taking a General Education **<u>or</u>** by taking PSY 300 **<u>or</u>** by MTA	
	• One by a designated course in major/program (at GVSU Only)	
	Two Issues Courses (must have 55 credits or more and take at GVSU only) • AHS 340…before or during the program	
	• A second Issues course selected by student after 55 credits earned	

The **Diagnostic Medical Sonography** major at GVSU **is competitive and requires completion of a secondary application** which is available online at www.gvsu.edu/dms. Applications and all supplemental materials are due **February 1st**. Applicants must complete the prerequisite courses AND all the GVSU General Education courses <u>prior</u> to the start of the program in August. There are no waiting lists.

Application Requirements: *Detailed application and admission requirements available at www.gvsu.edu/dms*

- ✓ <u>GVSU Undergraduate Application</u> – students must be admitted and eligible to start classes in the year of application
- ✓ <u>Program Application & Supplemental Materials</u> – found at www.gvsu.edu/dms
- ✓ <u>Transcripts</u> - Official and updated copies of ALL non-GVSU transcripts <u>sent directly</u> to the GVSU Admissions Office (if not previously sent)
- ✓ <u>Minimum 3.00 GPA</u> in prerequisite courses and last 45 credits hours
- ✓ <u>Minimum grade of "C" or better</u> required in all prerequisite coursework
- ✓ <u>Resume</u> - to include a specific section listing ALL health care experiences (volunteer, paid, job shadow)
  - <u>Volunteer or Work in Health Field</u> – minimum 16 hours experience in a health field (due at time of application)
  - <u>Job Shadow</u> – 2-3 hour job shadow with a practitioner in your field of interest (due at time of application)
- ✓ <u>Statement of Professional Goals</u> – one to two-page statement addressing:
  - Why you are interested, what are *your* plans, and what influenced your decision to choose this career field?
- ✓ <u>Two recommendations</u> - on program specific forms (part of the program application)
- ✓ <u>Verification of Course Completion form</u> - Identify how required courses will be completed PRIOR to start of the program
- ✓ <u>Meet all physical performance requirements and technical standards</u> – details at www.gvsu.edu/dms

Admissions Considerations

- Academic grade point average from prerequisite courses (40%)
- Academic grade point average from last 45 credit hours (10%)
- Interview and Writing Assessment completed on-site at the Cook-DeVos Center for Health Sciences (30%)
- Health Care Experience - a minimum 16 hours of volunteer/work experience AND 2-3 hours job shadow in a health field (5%)
- Additional considerations such as educational, leadership and research work experience and/or volunteer activities are valued (10%)
- Recommendations (5%)