

# DIAGNOSTIC MEDICAL SONOGRAPHY

Code	Title	Credit Hours
BIO-2331	Anatomy and Physiology I <sup>1</sup>	4
BIO-2341	Anatomy and Physiology II	4
DMS-1071	Concepts of Physics in Diagnostic Sonography	2
DMS-1303	Introduction to Sonography	2
DMS-1320	Introduction to Sonographic Scanning	1
DMS-1351	Patient Care Skills	1
MATH-1410	Elementary Probability and Statistics I (or higher Approved Ohio Transfer 36 Mathematics course) <sup>2</sup>	3
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
DMS-1311	Initial Sonographic Scanning	2
DMS-1381	Cardiac Diagnostic Procedures	3
DMS-2350	Sonographic Instrument/Physics	3
Select one of the following:		
DMS-1602	Echocardiography I (Option A)	
DMS-1701	Vascular Sonography I (Option B)	
DMS-1940	Field Experience I	1
DMS-2301	Intermediate Sonographic Scanning	2
MA-1010	Introduction to Medical Terminology <sup>3</sup>	2
Select one of the following:		
DMS-2602	Echocardiography II (Option A)	
DMS-2702	Vascular Sonography II (Option B)	
Select one of the following:		3
ENG-1020	College Composition II	
ENG-102H	Honors College Composition II	
DMS-1950	Field Experience II	2
HTEC-1110	Ethics for Health Care Professionals <sup>4</sup>	1
Select one of the following:		3
PSY-1010	General Psychology	
PSY-101H	Honors General Psychology	
DMS-2940	Field Experience III	3
DMS-2985	Physics Review	1
DMS-2991	Sonography Capstone	1
PSY-1060	Cross-Cultural Competency for Health Care Providers	1
DMS-xxxx	DMS Elective <sup>4</sup>	1-2
DMS-2950	Field Experience IV	1
DMS-2981	Specialty Registry Review	1
Select one of the following:		1-3
DMS-2650	Pediatric Cardiac Sonography (Option A) <sup>5</sup>	
DMS-2760	Transcranial Doppler Sonography (Option B) <sup>5</sup>	

- <sup>1</sup> Requires appropriate placement score on Biology placement test or grade of "C" or higher in BIO-1100 to enroll in this course.
- <sup>2</sup> MATH-1240 Contemporary Mathematics taken before Fall 2024 will be accepted in place of MATH-1410 Elementary Probability and Statistics I to meet the math requirement for this program.
- <sup>3</sup> MA-1020 Medical Terminology I will be accepted in place of MA-1010 Introduction to Medical Terminology.
- <sup>4</sup> Course selection can only be used once toward a graduation requirement.
- <sup>5</sup> PHIL-2050 Bioethics will be accepted in lieu of HTEC-1110 Ethics for Health Care Professionals.

## Options

### (A) Echocardiography Option

Take the following courses to complete Option A:

Code	Title	Credit Hours
DMS-1602	Echocardiography I	4
DMS-2602	Echocardiography II	4
DMS-2650	Pediatric Cardiac Sonography	3
Additional program courses		51-52
<b>Total Credit Hours</b>		<b>62-63</b>

### (B) Vascular Option

Take the following courses to complete Option B:

Code	Title	Credit Hours
DMS-1701	Vascular Sonography I	4
DMS-2702	Vascular Sonography II	4
DMS-2760	Transcranial Doppler Sonography	1
Additional program courses		51-52
<b>Total Credit Hours</b>		<b>60-61</b>

## Technical Electives

Select from the following courses to fulfill DMS elective option:

Code	Title	Credit Hours
DMS-1381	Cardiac Diagnostic Procedures	3
DMS-2330	Sonographic Pathology	3
DMS-2450	Breast Sonography	2
DMS-2650	Pediatric Cardiac Sonography	3
DMS-2750	Principles of Vascular Imaging for Abdomen and Cardiac Sonographers	3
DMS-2960	Supplemental Field Experience	2
DMS-2983	Supplemental Speciality Registry Review	1

MATH-1140, MATH-1141, MATH-1200, MATH-1270, and MATH-1280 can no longer count towards fulfilling the college-level mathematics requirement. These courses were re-classified as developmental mathematics by the state of Ohio in 2016. Tri-C established a 5-year transitioning window for students who had completed these courses prior to 2016 to apply them towards meeting graduation requirements, which expired in Summer 2021. It is highly recommended to see a

counselor to determine the appropriate math required for your current major.

## **Degrees and Certificates**

- Diagnostic Medical Sonography (Abdomen Extended and Obstetrics Gynecology Sonography), Associate of Applied Science