

# 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 <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>5</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-1530 College Algebra or higher will be accepted in place of MATH-1410 Elementary Probability and Statistics I. MATH-1530 and MATH-1410 require appropriate placement score on Math placement test or a grade of "C" or higher in MATH-0965 to enroll.

<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        |
| Total Credit Hours         |                              | 62-63        |

### (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        |
| Total Credit Hours         |                                 | 60-61        |

## 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            |

## Degrees and Certificates

- Diagnostic Medical Sonography (General Sonography), Associate of Applied Science