

## DIAGNOSTIC MEDICAL SONOGRAPHY ACADEMIC CURRICULUM MAP

An academic map is a suggested two-year schedule of courses based on degree requirements. This sample schedule serves as a general guideline to help build a full schedule each term. Milestones, courses, and special requirements necessary for timely progress to complete a major are designated to keep you on track to graduate in two years.

**This map is not a substitute for academic advisement**—contact your advisor if you have any questions about scheduling or about your degree requirements. Also see the current academic catalog for a complete list of requirements and electives. Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact an advisor, the department and/or program area for current information.

| Course  | Credit Hours          |                      |                               |   |                       |                      |       |
|---|-----------------------|----------------------|-------------------------------|---|-----------------------|----------------------|-------|
| BIOL 130 Anatomy & Physiology   | 5                     |                      | General Education Requirement |   |                       |                      |       |
| ENGL 101 English Composition I/ENGL 103 English Composition with Review or COMM 101 Public Speaking | 3                     |                      | General Education Requirement |   |                       |                      |       |
| HEAL 106 Medical Terminology  | 3                     |                      | General Elective              |   |                       |                      |       |
| HEAL 109 Physics for Health Sciences  | 4                     |                      | General Elective              |   |                       |                      |       |
| MATH 115 College Algebra or MATH 114 College Algebra with Review                                    | 3                     |                      | General Education Requirement |   |                       |                      |       |
| Total Hours   | 18                    |                      |                               |   |                       |                      |       |
| First Year  |                       |                      |                               |   |                       |                      |       |
| Summer Semester   |                       |                      | Fall Semester                 |   |                       |                      |       |
| Course  | Credit Hours Vascular | Credit Hours General | Notes                         | Course  | Credit Hours Vascular | Credit Hours General | Notes |
| DMS 200 Sonography Virtual Lab  | 6                     | 6                    |                               | DMS 201 Introduction to Sonography  | 3                     | 3                    |       |
|   |                       |                      |                               | DMS 211 Sonography Physics & Instrumentation  | 3                     | 3                    |       |
|   |                       |                      |                               | <b>Vascular Pathway</b><br>DMS 230 Vascular Sonography I                              | 3                     |                      |       |
|   |                       |                      |                               | DMS 251 Vascular Sonography Clinical I  | 5                     |                      |       |
|   |                       |                      |                               | <b>General Pathway</b><br>DMS 205 Sonography Sectional Anatomy & Abdominal Physiology |                       | 2                    |       |
|   |                       |                      |                               | DMS206 OB/GYN for Sonography I  |                       | 3                    |       |
|   |                       |                      |                               | DMS 220 General Sonography Clinical I   |                       | 5                    |       |
| Total Hours   | 6                     | 6                    |                               | Total Hours   | 14                    | 16                   |       |
| Second Year   |                       |                      |                               |   |                       |                      |       |
| Spring Semester   |                       |                      |                               | Summer Semester   |                       |                      |       |
| Course  | Credit Hours Vascular | Credit Hours General | Notes                         | Course  | Credit Hours Vascular | Credit Hours General | Notes |
| DMS 234 Sonography Physics & Instrumentation/Registry Review  | 3                     | 3                    |                               | <b>Vascular Pathway</b><br>DMS 237 Vascular Sonography Registry Review                | 2                     |                      |       |
| <b>Vascular Pathway</b><br>DMS 214 Introduction to Echocardiography                                 | 3                     |                      |                               | DMS 253 Vascular Sonography Clinical III  | 5                     |                      |       |
| DMS 231 Vascular Sonography II  | 4                     |                      |                               | <b>General Pathway</b><br>DMS 222 General Sonography Clinical III                     |                       | 5                    |       |
| DMS 252 Vascular Sonography Clinical II   | 5                     |                      |                               | DMS 250 General Sonography Registry Review  |                       | 4                    |       |
| <b>General Pathway</b><br>DMS 207 OB/GYN for Sonography II  |                       | 3                    |                               |   |                       |                      |       |
| DMS 208 Sonography Pathology of Abdomen and Small Parts   |                       | 2                    |                               |   |                       |                      |       |
| DMS 221 General Sonography Clinical II  |                       | 5                    |                               |   |                       |                      |       |
| Total Hours   | 15                    | 13                   |                               | Total Hours   | 7                     | 9                    |       |

General Electives can be found on page 53

Statewide General Education Requirements can be found on page 56

## DIAGNOSTIC MEDICAL SONOGRAPHY

### ASSOCIATE IN APPLIED SCIENCE

Diagnostic Medical Sonographers operate special imaging equipment to create images or conduct tests. The images and test results help physicians assess and diagnose medical conditions. Some technologists assist physicians and surgeons during surgical procedures. Most diagnostic imaging professionals are employed in hospitals while others are employed in healthcare settings such as at physician's offices and medical and diagnostic laboratories.

**Credits Required:** 60-62

**General Advisor:** Brandi Clark  
620-820-1241  
brandii@labette.edu

**Major Advisor:** Brian Vediz  
620-820-1181  
briav@labette.edu

#### Accreditation

Labette Community College Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The program was approved March 2013. For more information contact [www.CAAHEP.org](http://www.CAAHEP.org)

#### Requirements

Students interested in the Diagnostic Medical Sonography Program are admitted to Labette Community College on the same basis as other students, but admission to the college does not ensure admission into the Sonography Program. All students applying for the DMS program are required to have completed the following prior to acceptance into the program:

- Associates or Bachelors Degree with a medical component.
- Mathematics, Communications or Composition, Anatomy and Physiology, Medical Terminology, and Physics. (NOT required for students with Radiology Degree)

#### After Graduation

You will graduate with an Associates Degree in Diagnostic Medical Sonography. You will have several work options like hospitals, clinics, teaching, at a doctor's office, or traveling the world.

According to the Bureau of Labor Statistics, the field is anticipated to grow by 11% (2023-2033), with a median pay of \$80,850 per year nationwide. The job prospects for DMS are expected to be very good.

#### Concentration Requirements **15**

|                          |     |     |   |   |
|--------------------------|-----|-----|---|---|
| <input type="checkbox"/> | DMS | 200 | Sonography Virtual Lab                                | 6 |
| <input type="checkbox"/> | DMS | 201 | Introduction to Sonography                            | 3 |
| <input type="checkbox"/> | DMS | 211 | Sonography Physics & Instrumentation                  | 3 |
| <input type="checkbox"/> | DMS | 234 | Sonography, Physics & Instrumentation/Registry Review | 3 |

#### General Sonography Pathway **29**

|                          |     |     |   |   |
|--------------------------|-----|-----|---|---|
| <input type="checkbox"/> | DMS | 205 | Sonography Sectional Anatomy & Abdominal Physiology | 2 |
| <input type="checkbox"/> | DMS | 206 | OB/GYN for Sonography I                             | 3 |
| <input type="checkbox"/> | DMS | 207 | OB/GYN for Sonography II                            | 3 |
| <input type="checkbox"/> | DMS | 208 | Sonography Pathology of Abdomen and Small Parts     | 2 |
| <input type="checkbox"/> | DMS | 220 | General Sonography Clinical I                       | 5 |
| <input type="checkbox"/> | DMS | 221 | General Sonography Clinical II                      | 5 |
| <input type="checkbox"/> | DMS | 222 | General Sonography Clinical III                     | 5 |
| <input type="checkbox"/> | DMS | 250 | General Sonography Registry Review                  | 4 |

or

#### Vascular Sonography Pathway **27**

|                          |     |     |                                     |   |
|--------------------------|-----|-----|-------------------------------------|---|
| <input type="checkbox"/> | DMS | 214 | Introduction to Echocardiography    | 4 |
| <input type="checkbox"/> | DMS | 230 | Vascular Sonography I               | 3 |
| <input type="checkbox"/> | DMS | 231 | Vascular Sonography II              | 3 |
| <input type="checkbox"/> | DMS | 237 | Vascular Sonography Registry Review | 2 |
| <input type="checkbox"/> | DMS | 251 | Vascular Sonography Clinical I      | 5 |
| <input type="checkbox"/> | DMS | 252 | Vascular Sonography Clinical II     | 5 |
| <input type="checkbox"/> | DMS | 253 | Vascular Sonography Clinical III    | 5 |

#### General Education Requirements **11**

##### English/Communication

|                          |      |     |                                 |    |
|--------------------------|------|-----|---------------------------------|----|
| <input type="checkbox"/> | ENGL | 101 | English Composition I           | or |
|                          | ENGL | 103 | English Composition with Review | or |
|                          | COMM | 101 | Public Speaking                 | 3  |

##### Math & Statistics

|                          |      |     |                             |    |
|--------------------------|------|-----|-----------------------------|----|
| <input type="checkbox"/> | MATH | 115 | College Algebra             | or |
|                          | MATH | 114 | College Algebra with Review | 3  |

##### Natural & Physical Science

|                          |      |     |                      |   |
|--------------------------|------|-----|----------------------|---|
| <input type="checkbox"/> | BIOL | 130 | Anatomy & Physiology | 5 |
|--------------------------|------|-----|----------------------|---|

#### General Electives **7**

|                          |      |     |                             |   |
|--------------------------|------|-----|-----------------------------|---|
| <input type="checkbox"/> | HEAL | 106 | Medical Terminology         | 3 |
| <input type="checkbox"/> | HEAL | 109 | Physics for Health Sciences | 4 |

General Electives can be found on page 53  
Statewide General Education Requirements can be found on page 56