

# DIAGNOSTIC MEDICAL SONOGRAPHY, Associate in Applied Science Degree – 3426

Fall 2022-**Pending Approval** (6/8/22)

## PROGRAM REQUIREMENTS (TOTAL CREDITS = 69)

| General Education  |          | Major Requirements                  |          | Other Required Courses       |          |
|--|----------|-------------------------------------|----------|------------------------------|----------|
| ENGL 101 English Composition I                           | 3        | DMS 105 Introduction to Health Care | 4        | <u>BIOL 121 and BIOL 122</u> | <u>8</u> |
| COMM 101 Effective Speaking (or)                         | 3        | DMS 110 Introduction to DMS         | 4        | PHYS 161 Physics for Imaging | <u>3</u> |
| COMM 203 Interpersonal Communication                     | (3)      | DMS 115 Clinical Experience I       | 2        |                              | 6        |
| Humanities & Arts Electives                              | 3        | DMS 120 DMS Lab I                   | 1        |                              |          |
| Math or Science Elective - MATH 103                      | 3        | DMS 125 Clinical Experience II      | 3        |                              |          |
| Social & Behavioral Science Elective-<br><u>PSYC 101</u> | 3        | DMS 130 Abdominal Sonography        | 4        |                              |          |
| First-Year Seminar Elective- <u>AH 140</u>               | 1        | DMS 140 DMS Lab II                  | 1        |                              |          |
| Wellness   | <u>1</u> | DMS 150 OB/GYN Sonography I         | 3        |                              |          |
|  | 17       | DMS 170 Acoustical Principles I     | 4        |                              |          |
|  |          | DMS 180 High Resolution Sonography  | 1        |                              |          |
|  |          | DMS 210 Vascular Sonography         | 1        |                              |          |
|  |          | DMS 215 Clinical Experience III     | 4        |                              |          |
|  |          | DMS 220 DMS Lab III                 | 1        |                              |          |
|  |          | DMS 225 Clinical Experience IV      | 4        |                              |          |
|  |          | DMS 240 DMS Lab IV                  | 1        |                              |          |
|  |          | DMS 250 OB/GYN Sonography II        | 3        |                              |          |
|  |          | DMS 270 Acoustical Principles II    | 2        |                              |          |
|  |          | DMS 274 DMS Topics                  | <u>3</u> |                              |          |
|  |          |                                     | 46       |                              |          |

Note: A grade of C or higher is required for all BIOL; DMS; MATH; and PHYS courses; ENGL 101 and COMM 101 or 203.

DMS Clinical Program-only available at the Harrisburg Campus with clinical sites up to 80 miles from Harrisburg.

*DMS is a cohort program, all 12 students are in lecture and lab together.*

*On clinical days, only one student is at each clinical site.*

*Ultrasound departments are only able to take one student for the clinical rotation.*

## RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

| FALL I   | SPRING I            | FALL II    | SPRING II | SUMMER    | FALL III  | SPRING III |
|----------|---------------------|------------|-----------|-----------|-----------|------------|
| AH 140   | 3 COMM 101 or 203   | 3 DMS 105  | 4 DMS 115 | 2 DMS 125 | 3 DMS 215 | 4 DMS 225  |
| ENGL 101 | 3 PSYC 101          | 4 DMS 110  | 4 DMS 120 | 1 DMS 140 | 1 DMS 220 | 1 DMS 240  |
| MATH 103 | 3 Humanities/Arts E | 3 PHYS 161 | 3 DMS 130 | 4 DMS 180 | 1 DMS 250 | 3 DMS 274  |
| BIOL 121 | 4 BIOL 122          | 4 Wellness | 1 DMS 150 | 3 DMS 210 | 1 DMS 270 | 2          |
|          |                     |            | DMS 170   | 4         |           |            |

Students who are selected into the program take the DMS courses in a specific **sequence** as listed above. There is no flexibility in the DMS course schedule. This is a full-time day time commitment. There are no part time options. Student who work typically only put in 16 hours or less each week. Time management is key with classes, lab, and clinical rotations including driving, with homework including workbook completion, research presentations, weekly tests in multiple classes and clinical overview details assignments. During the last two semesters, national exam preparation is included for the three required exams to become a Registered Diagnostic Medical Sonographer and students take the credentialing examinations.

## DMS Schedule (Subject to change)

| Semester | Monday  | Tuesday  | Wednesday   | Thursday   | Friday  |
|----------|---|--|---|--|---|
| FALL     | 8:00a-11:30a<br>DMS 105-<br>Intro to HC<br><br>1:30p-3:35p<br>Physics 161 | 8:00a- 12:30p<br>DMS 110-<br>Intro to DMS<br><br>1:30p-4:00p<br>Open Lab   | 8:00a-11:30a<br>DMS 105-<br>Intro to HC<br><br>1:00p-3:40p<br>Physics 161 | 8:00a- 12:30p<br>DMS 110-<br>Intro to DMS<br><br>1:30p-4:00p<br>Open Lab | 8:00a-12:00p<br>Open Lab  |
| SPRING   | 8:00a-12:00p<br>DMS 120-<br>DMS Lab I<br><br>1:00p-4:00p<br>Open Lab      | 8:00a-11:30a<br>DMS 150-<br>OB/GYN I<br><br>12:30p-4:00p<br>DMS 130-<br>ABD I                                    | DMS 115-<br>Clinical<br>(8 hours)   | 8:00a-12:00p<br>DMS 170-<br>Principles I<br><br>1:00p-4:00p<br>Open Lab  | DMS 115-<br>Clinical<br>(8 hours)   |
| SUMMER   | 8:00a-12:00p<br>DMS 140-<br>DMS Lab II<br><br>1:00p-4:00p Open<br>Lab     | 8:00a-10:00a<br>DMS 180-<br>High Res<br><br>10:30a-12:30p<br>DMS 210-<br>Vascular<br><br>1:30p-4:00p<br>Open Lab | DMS 125-<br>Clinical II<br>(8 hours)                                      | DMS 125-<br>Clinical II<br>(8 hours)                                     | DMS 125-<br>Clinical II<br>(8 hours)  |
| FALL     | DMS 215-<br>Clinical III<br>(8 hours)                                     | DMS 215-<br>Clinical III<br>(8 hours)  | DMS 215-<br>Clinical III<br>(8 hours)                                     | DMS 215-<br>Clinical III<br>(8 hours)                                    | 8:00a-10:00a<br>DMS 270-<br>Principles II<br><br>10:15a-12:45p<br>DMS 250-<br>OB/GYN II<br><br>1:30p-4:30p<br>DMS 220-<br>DMS Lab III |
| SPRING   | DMS 225-<br>Clinical IV<br>(8 hours)                                      | DMS 225-<br>Clinical IV<br>(8 hours)   | DMS 225 -<br>Clinical IV<br>(8 hours)                                     | DMS 225-<br>Clinical IV<br>(8 hours)                                     | 8:00a-11:00a<br>DMS 274-<br>Topics<br><br>12:30p-3:30p<br>DMS 240-<br>DMS Lab IV  |

The clinical courses require rotation to different clinical sites each semester. Be advised that clinical sites can be located up to 80 miles from Harrisburg. Rotations vary. Students need to be flexible and adapt to clinical rotation schedules.

Clinical sites (sites are always subject to change): Evangelical Community Hospital (Lewisburg); Geisinger- Lewistown Hospital; Lebanon VA Medical Center; Lehigh Valley Health ( Allentown); Meritus Health (Hagerstown); Penn State Health- Holy Spirit Medical Center (Camp Hill), St. Joseph Medical Center (Reading); UPMC - Carlisle, Community Osteopathic, Harrisburg, Lititz, Memorial, Union Deposit, West Shore; WellSpan – Chambersburg Hospital, Ephrata Hospital, Gettysburg Hospital, Good Samaritan Hospital (Lebanon), Waynesboro Hospital, York Hospital and Imaging.