

Diagnostic Medical Sonography**AAS degree****Pre-code 530****Catalog edition 2017-2019****Program Description**

(TP/SS)

Students who plan to major in diagnostic medical sonography will be assigned the temporary major of pre-diagnostic medical sonography, with POS code 530 until they are officially admitted to the diagnostic medical sonography program. Students may take preparatory courses and courses that fulfill General Education requirements during the waiting period. As an alternative to being assigned a temporary major, students waiting for admission to the diagnostic medical sonography program may choose to major in general studies or any other open-admission program. The Admissions and Records Office at Takoma Park/Silver Spring will assign a matriculated code once students are admitted to the diagnostic medical sonography program.

This curriculum, accredited by the Commission on Accreditation of Allied Health Education Programs, requires a minimum of two years of didactic and clinical experience. It provides a foundation for graduates to become highly skilled in providing patient services using diagnostic ultrasound under the supervision of a physician in hospitals, offices, and other health care settings. Reflected ultrasound waves are utilized by the sonographer to display images on a video monitor of body tissues. The sonographer is responsible for performing the examinations, providing patient care, and recording anatomical, pathological, and/or physiological data for interpretation by the physician.

Admission requirements, including specific selection criteria, have been established by the Board of Trustees; see the Admissions and Registration section of this catalog.

Students need to meet prerequisites for first-semester courses. Each of the diagnostic medical sonography courses builds on materials offered in previous courses. Students in this curriculum are required to achieve a grade of C or better in each sonography course and maintain current CPR certification while enrolled in the program.

Upon completion of this curriculum, the graduate will receive an AAS and be eligible to apply to take the national registry exam, administered by the American Registry of Diagnostic Medical Sonographers, in one or more of the following specialties: abdominal sonography, breast sonography, obstetrics/gynecology sonography, adult echocardiography, pediatric echocardiography, or vascular sonography.

Program Advisors

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Program Goals

Montgomery College is accredited by the Middle States Association of Colleges and Secondary Schools, and the Program of Diagnostic Medical Sonography is accredited by the Commission on Accreditation of Allied Health Educational Programs (CAAHEP).

The goal of the DMS Program is to:

- To prepare competent entry-level adult cardiac sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains; and/or
- To prepare competent entry-level abdominal sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains and/or
- To prepare competent entry-level obstetric and gynecologic sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains and/or
- To prepare competent entry-level vascular sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains

Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer.

To learn more please visit: <http://cms.montgomerycollege.edu/Transfer/> or <http://artsys.usmd.edu/>

Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations <https://cms.montgomerycollege.edu/edu/plain.aspx?id=2439>

Career Services

<http://www.montgomerycollege.edu/career>

Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area.

Get started today on your road to a new future and give it a try. Visit the website listed below:

<https://montgomerycollege.emsicareercoach.com>

DMS Degree Requirements General Concentration

Diagnostic Medical Sonography A.A.S.(TP/SS):530

Total Credits: 70

| <u>GENERAL EDUCATION: FOUNDATION COURSES</u> | Course | Hours |
|--|--------------------------|--------------|
| English Foundation (EN 102/ENGL 102 or EN 109/ENGL 103) | | 3 |
| Math Foundation (MA 110,115(A), 117(A), 130, 150, 165, 170, or 181) | | 3 or 4 |
| <u>GENERAL EDUCATION: DISTRIBUTION COURSES</u> | Course | Hours |
| Arts or Humanities Distribution (ARTD or HUMD) | SP 108/COMM 108 | 3 |
| Behavioral & Social Sciences Distribution (BSSD) † | PY 102/PSYC 102 | 3 |
| Natural Sciences Distribution with Lab (NSLD) | BI 107/BIOL 150 | 4 |
| General Education Elective (GEEL) | BI 204/BIOL 212 | 4 |
| PROGRAM REQUIREMENTS | Course | Hours |
| (if needed for EN 102/ENGL 102 or EN 103/ENGL 103) | EN 101/ENGL 101† | (3) |
| (Requirement for admission into the DMS program, PHYS 010 or higher is a prerequisite for MS 102/SONO 105) | PH 010/PHYS 010 | (2) |
| | BI 205/BIOL 213 | 4 |
| | HI 125/HINM 115 | 2 |
| | HI 126/HINM 116 | 2 |
| DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM COURSES | HI 135/HINM 120 | 3 |
| (TP/SS ONLY) | MS 101/SONO 101 | 3 |
| | MS 102/SONO 105 | 2 |
| | MS 201/SONO 204 | 3 |
| | MS 202/SONO 205 | 2 |
| | MS 224/SONO 224 | 1 |
| | MS 225/SONO 279/SONO 261 | 1 |
| | MS 220/SONO 275/SONO 262 | 1 |
| | MS 221/SONO 277/SONO 263 | 2 |
| | MS 222/SONO 278/SONO 264 | 4 |
| | MS 226/SONO 276/SONO 265 | 1 |
| | MS 223/SONO 280/SONO 266 | 4 |
| GENERAL SONOGRAPHY CONCENTRATION (13 CREDIT HOURS) | MS 112/SONO 112 | 3 |
| | MS 113/SONO 123 | 3 |
| | MS 210/SONO 210 | 1 |
| | MS 212/SONO 232 | 3 |
| | MS 213/SONO 243 | 3 |