Program Description

(TP/SS): 530

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.

Program Outcomes

Upon completion of this program a student will be able to:

- Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results.
- Perform appropriate procedures and record anatomical, pathological, and/or physiological data for interpretation by a physician.
- Record, analyze, and process diagnostic data and other pertinent observations made during the procedure for presentation to the interpreting physician.
- Exercise discretion and judgment in the performance of sonographic and/or other diagnostic services.
- Demonstrate appropriate communication skills with patients and colleagues.
- Act in a professional and ethical manner.
- Provide patient education related to medical ultrasound and/or other diagnostic vascular techniques and promote principles of good health.
All students should review the [https://appserv3.montgomerycollege.edu/acalog/working//program-advising-guides/530.pdf](https://appserv3.montgomerycollege.edu/acalog/working//program-advising-guides/530.pdf) and [https://www.montgomerycollege.edu/academics/program-advising/index.html](https://www.montgomerycollege.edu/academics/program-advising/index.html).

**Foundation Courses**
- English Foundation 3 semester hours (ENGF)
- Mathematics Foundation 3 semester hours (MATF)

**General Education Elective**
- BIOL 212 - Human Anatomy and Physiology I 4 semester hours (GEEL)

**Distribution Courses**
- BIOL 150 - Principles of Biology I 4 semester hours (NSLD)
- COMM 108 - Foundations of Human Communication 3 semester hours (ARTD/HUMD)
- PSYC 102 - General Psychology 3 semester hours (BSSD)