



Diagnostic Medical Sonography 2013-2014

Diagnostic Medical Sonographer is a professional qualified by professional credentialing, academic, and clinical experience to provide diagnostic patient care services using ultrasound and related diagnostic procedures. The scope of practice includes those procedures, acts and processes permitted by law, for which the individual has received education and clinical experience, has demonstrated competency, and has completed the appropriate credentialing which is the standards of practice. Coursework includes use of sonography relevant to gynecology, obstetrics, abdominal subjects, superficial structures and vascular applications. The Diagnostic Medical Sonography Program has been in operation since 1984 and is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS), and the Western Association of Schools and Colleges (WASC). Instruction is six consecutive quarters beginning in September and all courses are completed in sequence. Didactic and laboratory instruction is in addition to the preceptorship assignment, which consists of thirty-two hours per week. Students are eligible to take the American Registry for Diagnostic Medical Sonography (ARDMS) exams. Successful program completion leads to a Certificate of Achievement and the student may choose to complete an Associate in Science degree option.

Program Learning Outcomes:

- Students will demonstrate the necessary knowledge, technical skills, analytical skills, interpersonal skills and diagnostic ability within the scope of practice for diagnostic medical sonography.
- Students will demonstrate the necessary knowledge and values pertaining to professional demeanor including the implementation of confidentiality and privacy for the practice of diagnostic medical sonography.

Career Opportunities:

Students typically pursue technical careers in the hospital, clinic, and office. With additional technical experience career positions may include supervisory positions, as a traveler or independent contractor. Most management, corporate, and education positions require four-year college degrees in a related field.

Units required for Major: 98

Units required for Certificate: 98

Associate Degree Requirements:

- English proficiency: ENGL 1A, 1AH, 1S & 1T, ESLL 26 or equivalent.
- Mathematics proficiency: MATH 57, 105, 108 or equivalent.

A minimum of 90 units is required* to include:

- All Foothill General Education requirements (30 Units)

- Core courses (98 Units)

*Additional elective course work may be necessary to meet the 90-unit minimum requirement for the associate degree.

NOTE: All courses pertaining to the major must be taken for a letter grade. In addition, a GPA of 2.5 or higher is required in all core and support courses for the degree and certificate.

Program Types:

AS = Associate in Science Degree.

CA = Certificate of Achievement.

Additional Information:

PREREQUISITES

Selective admission into the Diagnostic Medical Sonography Program is based on the following with grades of "C" or higher:

- High School diploma or equivalent.
- Successful completion of a two-year Allied Health Program such as Radiology Technology, Registered Nursing and/or baccalaureate degree from an accredited institution in the United States in a science/medically related discipline (premed) with significant direct patient care experience.
- College-level Human Anatomy & Physiology with labs (preferred within the past 5 years).
- College-level General Physics (Radiology Physics is acceptable).
- Intermediate Algebra or higher-level mathematics, or placement into MATH 105 or 108 on the Foothill College Placement Test.
- College-level communication: ENGL 1A or equivalent.
- Medical Terminology or AHS 200 or equivalent if integrated into prior health care program.
- Compliance with technical standards.
- Cardiopulmonary Resuscitation Certified (can be delayed until acceptance).

NOTE:

Application deadline is May 1st. Refer to www.foothill.edu/bio/programs/ultra for further program and application information.

Anatomy and Physiology studied in a language other than English will not be considered.

Physical examinations, immunizations, background screening and drug testing are required to attend clinical internships. Positive results on background checks and drug testing could impact a student's ability to attend clinical assignment, complete the program requirements or gain a license to practice upon graduation. The cost of required physical examinations, immunizations, background screenings and drug tests will be paid by the student. Students accepted into the program will be provided with specific details.

Core Courses: 98 Unit(s)



Fall

AHS 50 Introduction to Allied Health Programs (1 unit)
DMS 50A Diagnostic Medical Sonography Principles & Protocols (4 units)
DMS 50B Sonography & Patient Care (2 units)
DMS 60A Critique & Pathology I (2 units)
DMS 72A Diagnostic Medical Sonography Procedures & Applications (8 units)

Winter

DMS 51A Sectional Anatomy (3 units)
DMS 53A Diagnostic Medical Sonography I (2 units)
DMS 54A Gynecology (2 units)
DMS 60B Critique & Pathology II (1 unit)
DMS 70A Clinical Preceptorship I (8.5 units) (32 hrs/wk for 13 wks)

Spring

DMS 52A Physical Principles of Diagnostic Medical Sonography I (2 units)
DMS 53B Diagnostic Medical Sonography II (2 units)
DMS 54B Gynecology & Obstetrics (2 units)
DMS 60C Critique & Pathology III (1 unit)
DMS 70B Clinical Preceptorship II (8 units) (32 hrs/wk for 12 wks)

Summer

DMS 52B Physical Principles of Diagnostic Medical Sonography II (2 units)
DMS 53C Diagnostic Medical Sonography III (2 units)
DMS 55A Obstetrics I (2 units)
DMS 60D Critique & Pathology IV (1 unit)
DMS 70C Clinical Preceptorship III (8.5 units) (32 hrs/wk for 13 wks)

Fall

DMS 56A Vascular Sonography (3 units)
DMS 55B Obstetrics II (2 units)
DMS 60E Critique & Pathology V (1 unit)
DMS 70D Clinical Preceptorship IV (8.5 units) (32 hrs/wk for 13 wks)
DMS 72E Diagnostic Medical Sonography Procedures & Applications (2 units)

Winter

DMS 52C Physical Principles of Diagnostic Medical Sonography III (2 units)
DMS 56B Advanced Applications of Vascular Technology (2 units)
DMS 60F Critique & Pathology VI (1 unit)
DMS 70E Clinical Preceptorship V (8.5 units) (32 hrs/wk for 13 wks)
DMS 80A Advanced Sonographic Principles (4 units)

Certificates:

Certificate of Achievement in Diagnostic Medical

Sonography

98 Unit(s)

The Certificate of Achievement is awarded upon completion of the Core Courses. General education courses are not required however the prerequisites and entrance requirements must be met.