

HEALTH SCIENCES

Medical Sonography

The Medical Sonography curriculum provides knowledge and clinical skills in the application of high frequency sound waves to image internal body structures.

Course work includes physics, cross-sectional anatomy, abdominal, introductory vascular, and obstetrical/gynecological sonography. Competencies are attained in identification of normal anatomy and pathological processes, use of equipment, fetal growth and development, integration of related imaging, and patient interaction skills.

Graduates of accredited programs may be eligible to take examinations in ultrasound physics and instrumentation and specialty examinations administered by the American Registry of Diagnostic Medical Sonographers and find employment in clinics, physicians' offices, mobile services, hospitals, and educational institutions.

Medical Sonography Degree - A45440

Required Prerequisite Courses

Natural Science

BIO 163 Basic Anatomy and Physiology..... 5

Math Choose One (1)

MAT 152 Statistical Methods 4

or

MAT 171 Pre-Calculus Algebra 4

or

MAT 143 Quantitative Literacy..... 3

English/Communications

ENG 111 Writing and Inquiry 3
& Choose One (1)

ENG 112 Writing/Research in the Disciplines..... 3

COM 110 Intro to Communication 3

COM 120 Intro to Interpersonal Communication 3

COM 231 Public Speaking 3

Physics

PHY 110 Conceptual Physics/Lab (Or Higher)..... 4

-Day

Core Curriculum-Spring Entry

First Spring Semester

SON 110 Intro to Sonography..... 3

SON 130 Abdominal Sonography I..... 3

SON 271 Doppler Sonography Topics 2

PSY 150 General Psychology 3

Summer Term

SON 111 Sonography Physics 4

SON 120 SON Clinical Ed I 5

First Fall Semester

SON 131 Abdominal Sonography II..... 2

SON 121 SON Clinical Ed II 5

SON 140 Gynecological Sonography 2

SON 241 Obstetrical Sonography I..... 2

Second Spring Semester

SON 242 Obstetrical Sonography II..... 2

SON 250 Vascular Sonography 2

SON 220 Son Clinical Ed III..... 8

HUM Humanities Elective..... 3

Second Fall Semester

SON 221 SON Clinical Ed IV 8

SON 289 Sonographic Topics 2

SON 225 Case Studies 1

-Day

Core Curriculum-Fall Entry

First Fall Semester

SON 110 Intro to Sonography 3

SON 130 Abdominal Sonography I..... 3

SON 271 Doppler Sonography Topics 2

PSY 150 General Psychology 3

First Spring Semester

SON 111 Sonography Physics..... 4

SON 131 Abdominal Sonography II 2

SON 120 SON Clinical Ed I..... 5

SON 140 Gynecological Sonography 2

SON 241 Obstetrical Sonography I 2

Summer Term

SON 121 SON Clinical Ed II..... 5

Second Fall Semester

SON 242 Obstetrical Sonography II 2

SON 250 Vascular Sonography 2

SON 220 Son Clinical Ed III 8

HUM Humanities Elective 3

Second Spring Semester

SON 221 SON Clinical Ed IV 8

SON 289 Sonographic Topics..... 2

SON 225 Case Studies 1

Graduation Requirements: 76 Credit Hours

* Prerequisite Gen Ed. Courses must be met with a minimum grade of "C" prior to beginning the core curriculum of the Medical Sonography Program.

**Demonstrate chemistry proficiency. The chemistry proficiency requirement may be satisfied by completing ONE of the following: a college-level basic chemistry course from a U.S. regionally-accredited institution with a grade of "C" or better; or one unit of a high school chemistry course with a grade of "C" or better; or CHM 090 (Chemistry Concepts) or an equivalent CHM 090 with a grade of "C" or better; or the self-taught chemistry tutorial unit in the Individualized Learning Center with a grade of 85 or higher. Completion of BIO 163, (or a transfer equivalent class) with a grade of "C" or better.