**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 A.A.S.** **Credential: AAS** **Code: A45440**

Fall Semester -1st Year

| | | Advising | Term | C | L | Cl | Cr |
|---|---|---|---|---|---|---|---|
| ACA 115<br>or<br>ACA 122<br>or<br>PTE 121A | Success and Study Skills<br><br>College Transfer Success<br><br>Pathway to Employment Health | | FA, SP, SU | 0 | 2 | 0 | 1 |
| BIO 168 | Anatomy and Physiology I | | FA, SP | 3 | 3 | 0 | 4 |
| MAT 143 | Quantitative Literacy | | FA, SP, SU | 2 | 2 | 0 | 3 |
| SON 110 | Intro to Sonography | | FA | 1 | 3 | 3 | 3 |
| SON 111 | Sonographic Physics | | FA | 3 | 3 | 0 | 4 |
| SON 130 | Abdominal Sonography I | | FA | 2 | 3 | 0 | 3 |
| | **Total Credit Hours:** | | | | **18** | | |

Spring Semester-1st Year

| | | Advising | Term | C | L | Cl | Cr |
|---|---|---|---|---|---|---|---|
| BIO 169 | Anatomy and Physiology II | | FA, SP, SU | 3 | 3 | 0 | 4 |
| SON 120 | SON Clinical Ed I | | SP | 0 | 0 | 15 | 5 |

| | | | | | | |
|---|---|---|---|---|---|---|
| SON 131 | Abdominal Sonography II | SP | 1 | 3 | 0 | 2 |
| SON 140 | Gynecological Sonography | SP | 2 | 0 | 0 | 2 |
| SON 250 | Vascular Sonography | SP | 1 | 3 | 0 | 2 |
| | **Total Credit Hours:** | | | **15** | | |

Summer Semester-1st Year

| | | Advising | Term | C | L | Cl | Cr |
|---|---|---|---|---|---|---|---|
| COM 120 | Intro to Interpersonal Communication | | FA, SP, SU | 3 | 0 | 0 | 3 |
| SON 121 | SON Clinical Ed II | | SU | 0 | 0 | 15 | 5 |
| SON 241 | Obstetrical Sonography | | SU | 2 | 0 | 0 | 2 |
| | **Total Credit Hours:** | | | | **10** | | |

Fall Semester-2nd Year

| | | Advising | Term | C | L | Cl | Cr |
|---|---|---|---|---|---|---|---|
| ENG 111 | Writing and Inquiry | | FA, SP, SU | 3 | 0 | 0 | 3 |
| PSY 150<br>or<br>SOC 210 | General Psychology<br>or<br>Introduction to Sociology | | FA, SP, SU | 3 | 0 | 0 | 3 |
| SON 220 | SON Clinical Ed III | | FA | 0 | 0 | 24 | 8 |
| SON 242 | Obstetrical Sonography II | | FA | 2 | 0 | 0 | 2 |
| SON 272 | Advanced Pathology | | FA | 0 | 3 | 0 | 1 |
| | **Total Credit Hours:** | | | | **17** | | |

Spring Semester-2nd Year

| | | Advising | Term | C | L | Cl | Cr |
|---|---|---|---|---|---|---|---|
| Elective | Humanities or Fine Arts Elective | | FA, SP, SU | 3 | 0 | 0 | 3 |
| SON 221 | SON Clinical Ed IV | | SP | 0 | 0 | 24 | 8 |
| SON 225 | Case Studies | | SP | 0 | 3 | 0 | 1 |
| SON 289 | Sonographic Topics | | SP | 2 | 0 | 0 | 2 |
| | **Total Credit Hours:** | | | | **14** | | |

Humanities or Fine Arts Elective*: Choose from ART 111, ART 114, ART 115, HUM 110, HUM 115, MUS 110, MUS 112, PHI 240, REL 110, REL 221, SPA 111.*

| **SEMESTER HOURS REQUIRED TO GRADUATE** | |
|---|---|
| **GENERAL EDUCATION** | **15** |
| **TECHNICAL CORE** | **53** |
| **OTHER MAJOR COURSES** | **6** |
| **TOTAL CREDIT HOURS** | **74** |

Prerequisites:

High School Diploma, ENG-025, MAT-025 or Placement Test Equivalent, OST 141 (or higher), PHY 110/110A (or higher), ATI TEAS Test of 58 (or higher)