

## **Diagnostic Medical Sonography (Associate of Applied Science)**

The Associate of Applied Science in Diagnostic Medical Sonography is a 62 credit-hour program designed to provide students with the necessary knowledge, skills, values, and competencies for a career in diagnostic ultrasound. The curriculum is based on requirements of the American Registry of Diagnostic Medical Sonography (ARDMS). Graduates will receive an Associate of Applied Science in Diagnostic Medical Sonography, and will be eligible to take the ARDMS certification examination in Obstetrics/Gynecology, Abdomen, and Ultrasound Physics/Sonography Principles and Instrumentation.

A selective admissions process is used to select candidates for enrollment in the program.

### **Admission Criteria**

The following courses are prerequisites for admission to the Sonography program. Students must earn a grade of “C” or better in all of prerequisite courses listed.

### **Prerequisite Courses**

<b>Course</b>		<b>Credit Hours</b>
ENGL 1013	English Composition I	3
MATH 1213	College Algebra	3
BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1
BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3
PSYC 2013	Introduction to Psychology	3
HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3
SONO 1011	Foundations of Sonography	1
Any SACSCOC-accepted General Education Humanities course*		3
Total Prerequisite Hours		30

In addition, to be eligible for entry into the Sonography program, students must:

- Have a calculated GPA of 2.75 or higher in the 30 credit hours of prerequisite courses only.
- Achieve a composite score of 65 or better on the sonography admission exam.

It is important to note that admission to the Sonography program is competitive: *meeting the minimum requirements listed here does not guarantee admission.*

### **Application Process**

The application for admission to the Diagnostic Medical Sonography Program is available on the BRCC website once a year, during the fall semester. Detailed instructions for completing the admission application are included in the application packet. Completed and signed applications are due by the deadline indicated on the application. Late applications will not be accepted.

A selective admissions process is used to select candidates for enrollment in the program. Students admitted to sonography will receive additional instructions regarding program requirements that include but are not limited to: submission of personal health history, a physical examination, a TB skin test, various immunizations/vaccinations, a urine drug screen, and CPR certification. A positive urine drug screen or any attempt to tamper with a specimen may disqualify an applicant and/or result in dismissal from the Sonography program. Costs for all requirements are incurred by the student.

### **Criminal Background Check**

Applicants to the Sonography program must submit to a criminal background check, with all costs borne by the student. Applicants who have been charged with, pled guilty or *nolo contendere* to, been convicted of, or committed a criminal offense that involves a crime of violence or distribution of drugs may be denied the right to take national certification exams offered by the American Registry of Diagnostic Medical Sonography (ARDMS).

### **Program Outcomes. Upon successful completion of the program, the graduate will be able to:**

1. Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results.
2. Recognize the importance of patient care and comfort.
3. Record, analyze, and process diagnostic data and other pertinent observations made during the procedure for presentation to the interpreting physician.
4. Demonstrate sound clinical judgment in the performance of sonographic and other diagnostic services.
5. Demonstrate appropriate communication skills with patients, families and colleagues.
6. Demonstrate professionalism and ethical behavior.
7. Provide patient education related to medical ultrasound and other diagnostic procedures.

## **PROGRAM OF STUDY**

<b>First Semester</b>		<b>Credit Hours</b>
MATH 1213	College Algebra	3
ENGL 1013	English Composition I	3
PSYC 2013	Introduction to Psychology	3
BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1
SONO 1011	Foundations of Sonography	1
		<b>14</b>
<b>Second Semester</b>		<b>Credit Hours</b>
BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3
HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3
Any SACSCOC-accepted General Education Humanities course*		3
		<b>16</b>
<b>Third Semester</b>		<b>Credit Hours</b>
SONO 1102	Physics and Instrumentation I	2
SONO 1143	Ultrasound Learning Lab I	3

SONO 1203	Sonographic Sectional Anatomy	3
		<b>8</b>
<b>Fourth Semester</b>		<b>Credit Hours</b>
SONO 1122	Abdominal Ultrasound I	2
SONO 1161	Ultrasound Practicum I	1
SONO 1182	Ultrasound OB/GYN I	2
SONO 2101	Physics and Instrumentation II	1
		<b>6</b>
<b>Fifth Semester</b>		<b>Credit Hours</b>
SONO 2123	Abdominal Ultrasound II	3
SONO 2163	Ultrasound Practicum II	3
SONO 2183	Ultrasound OB/GYN II	3
SONO 2201	Physics and Instrumentation III	1
		<b>10</b>
<b>Sixth Semester</b>		<b>Credit Hours</b>
SONO 2302	Abdominal Ultrasound III	2
SONO 2403	Ultrasound Practicum III	3
SONO 2502	Ultrasound OB/GYN III	2
SONO 2601	Comprehensive Seminar	1
		<b>8</b>
Total Program Hours		<b>62</b>

\* Approved General Education course in English literature, History, Humanities, or Philosophy (except PHIL 2113, Introduction to Logic)

For more information, contact the Division of Nursing and Allied Health at (225) 216-8044.