

CIRCLE OF WILLIS

ANTERIOR CEREBRAL, MIDDLE CEREBRAL, POSTERIOR CEREBRAL, ANTERIOR COMMUNICATING, INTERNAL CAROTID, BASILAR, VERTEBRAL, ANTERIOR INFERIOR CEREBELLAR, POSTERIOR CEREBELLAR

TCD NOTES:

ACA = Flow is **BELOW** baseline

MCA = "Butterfly sign"; have flow **ABOVE** + **BELOW** baseline b/c in both vessels.

Flow is **ABOVE** baseline

HIGHEST VELOCITY OF VESSELS*

VERTEBRAL = Flow is **BELOW** baseline

*LOW RESISTANCE VESSELS W/ LOTS OF DIAPHRAGMATIC FLOW IE FLOW THROUGH THE CARDIAC CYCLE (FEEL THE IMPACT)

"OCCIPITAL WINDOW"

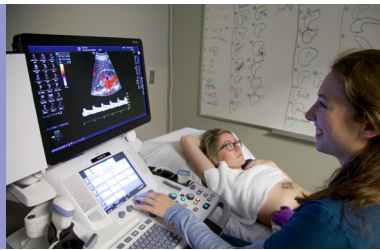
BACK OF HEAD

SOFT SPOT BELOW BONE

BASILAR VERTEBRALS

Scan Code for program page online





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 (ARDMS) and find employment in clinics, physicians' offices, mobile services, hospitals, and educational institutions.

Graduates will be eligible to apply to the American Registry of Diagnostic Medical Sonographers for examinations in physics, vascular, abdominal and obstetrics and gynecology.

The Diagnostic Medical Sonography Program is accredited in Abdomen Extended, OB/GYN, Adult Cardiac and Vascular concentrations. The following are the accrediting agencies:

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

9355 - 113th St. N, #7709, Seminole, FL 33775

www.caahep.org, Phone: 727-210-2350, Fax: 727-210-2354

Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS)

6201 University Boulevard, Suite 500,

Ellicott City, MD 21043, Phone: 443-973-3251, www.jrcdms.org

Specific Admission Requirements

This program has a selective admission process. For application and admission requirements, contact advising@abtech.edu and view the information on our website at <https://www.abtech.edu/admissions/selective-and-limited-programs>.

Total Cost Estimate

Tuition per Semester (NC Resident) \$1,216.00 (16+ credit hours)
\$76.00/credit hour (1-15 hours)

Computer Use and Technology Fee \$48/semester

Activity Fee Fall and Spring semesters only,
Main campus and Online, \$45.00

CAPS Fee (Campus Access, Parking and Security) \$30/semester

Matriculation Fee \$25/semester

Student Insurance \$2/Semester

Additional Fees including books may incur, please check A-B Tech website for more detail: <https://abtech.edu/program/medical-sonography-aas-associate-applied-science-cost-estimate>

Have you applied for Financial aid? Please visit A-B Tech website for instructions: <https://abtech.edu/future-students/financial-aid/applying-aid>

For More Information:

Contact Chastity Case by email at chastitylcase@abtech.edu or by phone at 828-398-7470

Courses requiring a grade of "C" or better: BIO, COM, ENG, MAT, PHY, and SON

	Course Prefix	Course Name	Credit Hours
Preadmission Requirement			
	BIO 163	Basic Anatomy and Physiology	5
	COM 120	Intro Interpersonal Communication	3
	MAT 110	Math Measurement & Literacy	3
	PHY 125	Health Sciences Physics	4
First Semester (Fall)	ENG 111	Writing and Inquiry	3
	SON 110	Intro to Sonography	3
	SON 111	Sonographic Physics	4
	SON 130	Abdominal Sonography I	3
Second Semester (Spring)	PSY 150	General Psychology	3
	SON 120	SON Clinical Ed I	5
	SON 131	Abdominal Sonography II	2
	SON 140	Gynecological Sonography	2
	SON 241	Obstetrical Sonography I	2
Third Semester (Summer)	SON 121	SON Clinical Ed II	5
	SON 242	Obstetrical Sonography II	2
Fourth Semester (Fall)	SON 220	SON Clinical Ed III	8
	SON 250	Vascular Sonography	2
	SON 272	Advanced Pathology	1
Fifth Semester (Spring)	PHI 240	Introduction to Ethics	3
	SON 221	SON Clinical Ed IV	8
	SON 225	Case Studies	1
	SON 289	Sonographic Topics	2
Program Totals:			74

Advising questions? Email: advising@abtech.edu

Career Opportunities in Medical Sonography

A.A.S. Degree National Salary Range: \$77,500 - \$92,400
Local Salary Range: \$75,730 - \$92,390
Hospitals, Health Departments, Physicians' Offices, Imaging Centers, Mobile/Traveling Services
Salaries may vary based on size of business and other factors.