



# DIAGNOSTIC CARDIOVASCULAR SONOGRAPHY VASCULAR SONOGRAPHY

A.A.S. DEGREE/CERTIFICATE

**86%**

Job Placement Rate

**100%**

Credential Success

**ACC**  
ALVIN COMMUNITY COLLEGE

## Improve Patient Care by Becoming a Sonographer at Alvin Community College

Sonography is the use of high-frequency sound waves, also known as ultrasound, to observe the internal world of the human body. Sonographers are on the front line of early detection and evaluation of cancer, women's health issues, heart defects, arterial blockages, and more.

ACC offers three DCVS concentrations: Pediatric Cardiac, Adult Cardiac, and Vascular. All require the use of ultrasound machines to produce images of patient's hearts, veins and/or arteries using high frequency sound waves.

### Career Opportunities

Career opportunities remain strong nationally and within the region. The Bureau of Labor Statistics notes that the Houston Metro region employs over 1,700 sonographers with an annual wage mean of \$85,080. Starting salary for a new graduate is generally around \$55,000. Recruiters contact ACC regularly about qualified graduates to fill job openings.

A Vascular Sonographer examines blood vessels using ultrasound.

If you are compassionate, flexible, detail-oriented, and like working in a fast-paced and caring environment, you might be a good fit as a Sonographer.

### What Will I Study?

The DCVS program curriculum is composed of didactic instruction, hands-on laboratory practice, individual outside scanning practice, and supervised external clinical experience.

#### For More Information:

**Website:** [www.alvincollege.edu/DCVS](http://www.alvincollege.edu/DCVS)

**Phone:** 281.756.5625

**Email:** [sonography@alvincollege.edu](mailto:sonography@alvincollege.edu)

**Your College**  **Right Now**

Revised 6/20

## DIAGNOSTIC CARDIOVASCULAR SONOGRAPHY - VASCULAR SONOGRAPHY

Associate of Applied Science Degree – 65 credit hours

| PROGRAM PREREQUISITES   | CREDITS   |
|---|-----------|
| P+BIOL 2401 - Anatomy & Physiology I  | 4         |
| P+BIOL 2402 - Anatomy & Physiology II   | 4         |
| P+ENGL 1301 - Composition I   | 3         |
| P+MATH 1314 - College Algebra <b>or</b><br>P+MATH 1332 - Quantitative Reasoning                                   | 3         |
| P+PHYS 1401 - Elementary Physics  | 4         |
| FIRST YEAR - FIRST SEMESTER (Summer 11 Week)  |           |
| **DMSO 1210 - Introduction to Sonography  | 2         |
| **DSAE 2303 - Cardiovascular Concepts   | 3         |
| HPRS 1304 - Basic Health Profession Skills  | 3         |
| SECOND SEMESTER (Fall 16 Week)  |           |
| CVTT 1161 - Clinical - Cardiovascular Technology  | 1         |
| DSAE 1340 - Diagnostic Electrocardiography  | 3         |
| **+Select from Social & Behavioral Sciences Core Curriculum   | 3         |
| THIRD SEMESTER (Spring 16 Week)   |           |
| DMSO 1342 - Intermediate Ultrasound Physics   | 3         |
| DSVT 1300 - Principles of Vascular Technology   | 3         |
| DSVT 1360 - Clinical - DMST Introduction to Vascular  | 3         |
| SECOND YEAR - FIRST SEMESTER (Summer 11 Week)   |           |
| DSVT 2330 - Cerebral Vascular Evaluation of Pathology   | 3         |
| DSVT 2361 - Clinical - DMST Vascular I  | 3         |
| Select from Language, Philosophy & Culture Core Curriculum <b>or</b><br>Select from Creative Arts Core Curriculum | 3         |
| SECOND SEMESTER (Fall 16 Week)  |           |
| DSVT 2318 - Peripheral Vascular Evaluation of Pathology   | 3         |
| DSVT 2461 - Clinical - DMST Vascular II   | 4         |
| THIRD SEMESTER (Spring 16 Week)   |           |
| DSVT 2335 - Advanced Vascular Technology  | 3         |
| *DSVT 2462 - Clinical - DMST Vascular III   | 4         |
| DIAGNOSTIC CARDIOVASCULAR SONOGRAPHY - VASCULAR SONOGRAPHY (A.A.S.) DEGREE  |           |
|   | <b>65</b> |

## DIAGNOSTIC CARDIOVASCULAR SONOGRAPHY - VASCULAR SONOGRAPHY

Advanced Technical Certificate – 37 credit hours

| FIRST SEMESTER (Spring 16 Week)   | CREDITS   |
|---|-----------|
| DMSO 1210 - Introduction to Sonography  | 2         |
| DMSO 1342 - Intermediate Ultrasound Physics   | 3         |
| DSVT 1300 - Principles of Vascular Technology   | 3         |
| DSVT 1360 - Clinical - DMST Introduction to Vascular  | 3         |
| SECOND SEMESTER (Summer 11 Week)  |           |
| **DSAE 2303 - Cardiovascular Concepts   | 3         |
| DSVT 2330 - Cerebral Vascular Evaluation of Pathology                                       | 3         |
| DSVT 2361 - Clinical - DMST Vascular I  | 3         |
| THIRD SEMESTER (Fall 16 Week)   |           |
| **DSAE 1340 - Diagnostic Electrocardiography  | 3         |
| DSVT 2318 - Peripheral Vascular Evaluation of Pathology                                     | 3         |
| DSVT 2461 - Clinical - DMST Vascular II   | 4         |
| FOURTH SEMESTER (Spring 16 Week)  |           |
| DSVT 2335 - Advanced Vascular Technology  | 3         |
| *DSVT 2462 - Clinical - DMST Vascular III   | 4         |
| DIAGNOSTIC CARDIOVASCULAR SONOGRAPHY - VASCULAR SONOGRAPHY (ADVANCED TECHNICAL CERTIFICATE) |           |
|   | <b>37</b> |

- + Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.
- P Prerequisite courses must be completed or in progress by the application deadline.
- \*\* May be taken prior to acceptance.
- \* Capstone Course

## APPLICATION DEADLINE

The deadline to apply for the Diagnostic Cardiovascular Sonography program is February 15. The program begins each June during the first Summer semester.

## \*PROGRAM COSTS

The Diagnostic Cardiovascular Sonography degree program costs approximately \$4,479 for in-district students and \$7,404 for out-of-district students. This includes tuition and fees for DCVS courses. Additional fees for textbooks, supplies, uniforms, testing, vaccinations, insurance, and graduation are approximately \$4,379.

\*Alvin Community College may change tuition rates and other fees without notice or when directed by the Board of Regents.

## ACCREDITATION

Both the DCVS degree and certificate programs are accredited through the Joint Review Committee for Diagnostic Medical Sonography (JRC-DMS) which is under the umbrella of the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

CAAHEP - 25400 US Hwy 19 North, Ste 158, Clearwater, FL 33763 | Phone: 727-210-2350 | Email: mail@caahep.org

Alvin Community College is an equal opportunity institution.

If you have a disability and need assistance or require special accommodations contact the Office of Disability Services at 281-756-3533 or ods@alvincollege.edu.