

Program Description

Sonography is the use of high-frequency sound waves, also known as ultrasound, to observe the internal world of the human body. ACC offers a two year program which prepares individuals for a health career in Echocardiography, Vascular Technology, or Pediatric Echocardiography which are branches of Diagnostic Medical Sonography. Upon graduation, students will possess the skills necessary to perform ultrasound and related diagnostic exams of the heart or blood vessels.

The Advanced Technical Certificate program is a condensed version of the A.A.S. option available to students that already have a degree in an allied healthcare related field.

Graduates of these programs may earn their credentials by taking the national registry exam offered by the American Registry of Diagnostic Medical Sonographers (ARDMS). Adult Echocardiography and Vascular Technology 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).

Career Opportunities

Sonographers typically work in hospitals, but they may also work in physician offices, diagnostic centers, ultrasound equipment vendors as sales or application specialists, mobile services, and contract agencies. Career opportunities are available in the Houston area and nationally. Recruiters contact ACC regularly about qualified students to fill job openings. According to www.onetonline.org the average salary for a Diagnostic Sonographer \$61,500.

Options

Associate of Applied Science Degree

| | |
|--|-----------------|
| DCVS – Echocardiography | 70 credit hours |
| | (2 years) |
| DCVS – Vascular Technology..... | 70 credit hours |
| | (2 years) |
| DCVS – Pediatric Echocardiography..... | 70 credit hours |
| | (2 years) |

Advanced Technical Certificate – Allied Healthcare Providers

| | |
|--|-----------------|
| DCVS – Echocardiography | 39 credit hours |
| | (1.5 years) |
| DCVS – Vascular Technology | 39 credit hours |
| | (1.5 years) |
| DCVS – Pediatric Echocardiography..... | 27 credit hours |
| | (1.5 years) |

Program Information

AAS Application Deadline:: February 15th

ATC Application Deadline: October 15th

The Diagnostic Cardiovascular Sonography Associate Degree program cost approximately \$7,000*. This amount is based on a preset curriculum sequence and in-district tuition. It includes tuition, fees, books, scrubs, supplies, seminars, parking at clinical sites and malpractice insurance.

*Tuition and fees are subject to change without notice.

For more information call 281-756-5650 or email Sonography@alvincollege.edu.

Alvin Community College does not discriminate against anyone on the basis of race, religion, color, sex, handicap, age, national origin, or veteran status. The College reserves the right to alter or discontinue courses and programs.



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Diagnostic Cardiovascular Sonography (DCVS)

Associate of Applied Science Degree – Echocardiography

| Program Pre-requisites | credits |
|---|-----------|
| Composition I | 3 |
| Anatomy and Physiology I | 4 |
| College Algebra | 3 |
| General Physics (or any Applied Physics) | 4 |
| First Semester - Summer 11 weeks | credits |
| Basic Patient Care Skills | 4 |
| Introduction to Sonography* | 2 |
| Cardiovascular Concepts* | 3 |
| Second Semester - Fall | credits |
| Visual and Performing Arts/Humanities or Career Spanish I | 3 |
| Anatomy and Physiology II | 4 |
| Diagnostic Electrocardiography | 3 |
| Clinical – Cardiovascular Technology | 1 |
| Third Semester - Spring | credits |
| Sonographic Instrumentation | 3 |
| Intro to Echocardiography Techniques | 3 |
| Clinical – DMST, Intro Echocardiography | 3 |
| Fourth Semester - Summer 11 weeks | credits |
| Echocardiography Evaluation of Pathology I | 4 |
| Clinical – DMST, Echocardiography I | 3 |
| Physical Education | 1 |
| Fifth Semester - Fall | credits |
| Echocardiography Evaluation of Pathology II | 4 |
| Clinical – DMST, Echocardiography II | 4 |
| Introductory Sociology or General Psychology or Learning Strategies | 3 |
| Sixth Semester - Spring | credits |
| Physical Education | 1 |
| Clinical – DMST Echocardiography III | 4 |
| Advanced Echocardiography | 3 |
| Diagnostic Cardiovascular Sonography Echocardiography (A.A.S.) Degree – credit hours | 70 |

Diagnostic Cardiovascular Sonography (DCVS)

Associate of Applied Science Degree – Non-Invasive Vascular
Technology

| Program Pre-requisites | credits |
|--|-----------|
| Composition I | 3 |
| Anatomy and Physiology I | 4 |
| College Algebra | 3 |
| General Physics (or any Applied Physics) | 4 |
| First Semester - Summer 11 weeks | credits |
| Basic Patient Care Skills | 4 |
| Introduction to Sonography* | 2 |
| Cardiovascular Concepts* | 3 |
| Second Semester - Fall | credits |
| Visual and Performing Arts/Humanities or Career Spanish I | 3 |
| Anatomy and Physiology II | 4 |
| Diagnostic Electrocardiography | 3 |
| Clinical – Cardiovascular Technology | 1 |
| Third Semester - Spring | credits |
| Sonographic Instrumentation | 3 |
| Principles of Vascular Technology | 3 |
| Clinical – DMST, Intro to Vascular | 3 |
| Fourth Semester - Summer 11 weeks | credits |
| Non-Invasive Cerebral Vascular Evaluation | 4 |
| Clinical – DMST, Vascular I | 3 |
| Physical Education | 1 |
| Fifth Semester - Fall | credits |
| Non-Invasive Peripheral Vascular Evaluation | 4 |
| Clinical – DMST, Vascular II | 4 |
| Introductory Sociology or General Psychology or Learning Strategies | 3 |
| Sixth Semester - Spring | credits |
| Physical Education | 1 |
| Clinical – DMST, Vascular III | 4 |
| Advanced Vascular Technology | 3 |
| Diagnostic Cardiovascular Sonography Vascular Technology (A.A.S.) Degree – credit hours | 70 |

See ACC Catalog for Pediatric Echocardiography Curriculum