Pediatric Echocardiography is a specialized field of echocardiography that uses ultrasound to examine the heart of a fetus, an infant, and in children of all ages. The pediatric echocardiogram is useful in evaluating the patient specifically for congenital heart defects and other medical issues related to the heart. Pediatric Congenital heart patients are followed by those who are in the field of pediatric echocardiography throughout their lifetime as they go through repairs and surgeries while they are growing and developing.

ACC offers a two year A.A.S. degree program which prepares individuals for a health career in Pediatric Echocardiography.

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 and a credential in Adult Echocardiography.

Because ACC's DCVS programs are CAAHEP accredited, students are able to take their national registry exam offered by the American Registry of Diagnostic Medical Sonographers (ARDMS) or Cardiovascular Credentialing International (CCI) prior to graduation. Our graduates will enter the workforce with their credential, which will make them more marketable and eligible for higher starting wages.

Pediatric Echocardiography is 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), 1361 Park St., Clearwater, FL 33756, Tel: 727.210.2350.

**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. Starting salary for a new graduate is generally around $45,000, but increases to $60,000 - $80,000 with registry credential.

**Options**

**Associate of Applied Science Degree**

DCVS – Pediatric Echocardiography.............65 credit hours

**Advanced Technical Certificate**

DCVS – Pediatric Echocardiography.............23 credit hours

**Program Information**

AAS Application Deadline: February 15

ATC Application Deadline: October 15

Admission Requirements are available in the ACC Catalog or online at www.alvincollege.edu/dcvs where you can also register for a free information session and obtain a current application packet.

Approximate cost for the AAS Degree is $8,800* and the ATC is $6,800*. 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 is an equal opportunity institution and does not discriminate against anyone on the basis of race, religion, color, sex, pregnancy, gender equity, sexual orientation, parental status, national origin, age, disability, family medical history or genetic information, political affiliation, military service or veterans status.

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.
# Diagnostic Cardiovascular Sonography - Pediatric Echocardiography

## Associate of Applied Science Degree

### Program Pre-requisites (Must be completed or in progress in order to apply.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>P+ BIOL 2401 - Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>P+ BIOL 2402 - Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>P+ ENGL 1301 - Composition I</td>
<td>3</td>
</tr>
<tr>
<td>P+ PHYS 1401 - College Physics I or SCIT 1420 - Physics for Allied Health or CTEC 1401 - Applied Petrochemical Technology</td>
<td>4</td>
</tr>
<tr>
<td>P+ Select from Mathematics Core Curriculum</td>
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### FIRST YEAR

#### First Semester (Summer 11-week)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td><strong>DMSO 1210 - Introduction to Sonography</strong></td>
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<tr>
<td><strong>DSAE 2303 - Cardiovascular Concepts</strong></td>
<td>3</td>
</tr>
<tr>
<td>DSPE 2255 - Neonatal/Pediatric Patient Care Skills</td>
<td>2</td>
</tr>
<tr>
<td>HPRS 1304 - Basic Health Profession Skills</td>
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#### Second Semester (Fall 16-week)

<table>
<thead>
<tr>
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<tr>
<td>CVTT 1161 - Clinical - Cardiovascular Technology</td>
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<tr>
<td>DSAE 1303 - Intro to Echocardiography Techniques</td>
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<tr>
<td>DSAE 1340 - Diagnostic Electrocardiography</td>
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<tr>
<td><strong>Select from Social &amp; Behavioral Sciences Core Curriculum</strong></td>
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#### Third Semester (Spring 16-week)

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<th>Course</th>
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<tbody>
<tr>
<td>DMSO 1342 - Intermediate Ultrasound Physics</td>
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<tr>
<td>DSPE 1265 - Practicum - DMST Intro to Pedi Echo</td>
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<tr>
<td>DSPE 1300 - Intro to Pedi Echo Techniques</td>
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### SECOND YEAR

#### First Semester (Summer 11-week)

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>DSPE 2257 - Echo Evaluation of Congenital Heart Disease I</td>
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</tr>
<tr>
<td>DSPE 2261 - Clinical - DMST Pediatric Echo I</td>
<td>2</td>
</tr>
<tr>
<td><strong>Select from Language, Philosophy &amp; Culture Core Curriculum</strong></td>
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<tr>
<td>DSPE 2249 - Echo Evaluation of Congenital Heart Disease II</td>
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</tr>
<tr>
<td>DSPE 2461 - Clinical - DMST Pediatric Echo II</td>
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<tr>
<td>DSPE 2259 - Advanced Pediatric Echocardiography</td>
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</tr>
<tr>
<td>*DSPE 2462 - Clinical - DMST Pediatric Echo III</td>
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</tr>
</tbody>
</table>

## Advanced Technical Certificate

### Program Pre-requisites: Associate Degree or higher in an Allied Health field from an Accredited Institution. Prior education must have included: Algebra, Physics, English and Anatomy & Physiology I & II. (Current registry in Adult Echocardiography is required.)

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<tr>
<td>DSPE 1265 - Practicum - DMST Intro to Pedi Echo</td>
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<tr>
<td>DSPE 1300 - Intro to Pedi Echo Techniques</td>
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</tr>
<tr>
<td>DSPE 2255 - Neonatal/Pediatric Patient Care Skills</td>
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### Diagnostic Cardiovascular Sonography - Pediatric Echocardiography Advanced Technical Certificate – credit hours

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

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**Alvin Community College**