

# Curriculum Outline

FICE 003539                      CIP 51.0910

**Alvin Community College**

**Associate of Applied Science**

**Diagnostic Cardiovascular Sonography – Pediatric Echocardiography**

Rubric/#	Title	Type	Wkly Lec Hrs	Wkly Lab Hrs	Wkly Clin Hrs	Sem Cont Hrs	Sem Cred Hrs
<b>Program Pre-requisites – Must be completed or in progress in order to apply.</b>							
ENGL** 1301	Composition and Rhetoric I	ACAD	3	0	0	48	3
BIOL** 2401	Anatomy and Physiology I	ACAD	3	3	0	96	4
BIOL** 2402	Anatomy and Physiology II	ACAD	3	3	0	96	4
MATH** 1314	College Algebra	ACAD	3	0	0	48	3
PHYS** 1401	General Physics (or CTEC 1401 or any applied physics plus lab)	ACAD	3	2	0	96	4
<b>Prerequisite Total</b>			<b>15</b>	<b>8</b>	<b>0</b>	<b>384</b>	<b>18</b>
<b>FIRST YEAR</b>							
<b>First Semester (Summer 12 weeks)</b>							
DSAE 1407	Basic Patient Care Skills	WECM	3	2	0	80	4
DSPE 2255	Neonatal/Pediatric Patient Care Skills	WECM	1	3	0	64	2
DMSO 1210*	Introduction to Sonography	WECM	2	0	0	32	2
DSAE 2303*	Cardiovascular Concepts	WECM	3	1	0	64	3
<b>Semester Total</b>			<b>9</b>	<b>6</b>	<b>0</b>	<b>240</b>	<b>11</b>
<b>Second Semester (Fall 16 weeks)</b>							
PSYC or SOCI*	SOCI 1301 /PSYC 2301 or 1300	ACAD	3	0	0	48	3
DSAE 1303	Intro to Echocardiography Techniques	WECM	2	4	0	96	3
DSAE 1340	Diagnostic Electrocardiography	WECM	2	4	0	96	3
CVTT 1161	Clinical - Cardiovascular Technology	WECM	0	0	6	96	1
<b>Semester Total</b>			<b>7</b>	<b>8</b>	<b>6</b>	<b>336</b>	<b>10</b>
<b>SECOND YEAR</b>							
<b>First Semester (Spring 16 weeks)</b>							
DSAE 1318	Sonographic Instrumentation	WECM	2	2	0	64	3
DSPE 1300	Intro to Pedi Echo Techniques	WECM	2	3	0	80	3
DSPE 2360	Clinical – DMST, Intro to Pedi Echo	WECM	0	0	18	288	3
<b>Semester Total</b>			<b>4</b>	<b>5</b>	<b>18</b>	<b>432</b>	<b>9</b>
<b>Second Semester (Summer 11 weeks)</b>							
Elective*	Fine Arts/Humanities/Career Spanish	ACAD	3	0	0	48	3
DSPE 2357	Echo Eval of Congenital Heart Disease	1WECM	2	3	0	80	3
DSPE 2261	Clinical – DMST, Pedi Echo I	WECM	0	0	12	192	2
<b>Semester Total</b>			<b>5</b>	<b>3</b>	<b>12</b>	<b>320</b>	<b>8</b>
<b>Third Semester (Fall 16 weeks)</b>							
DSPE 2349	Echo Eval of Congenital Heart Disease	2WECM	2	3	0	80	3
DSPE 2461	Clinical – DMST, Pedi Echo II	WECM	0	0	24	384	4
<b>Semester Total</b>			<b>2</b>	<b>3</b>	<b>24</b>	<b>464</b>	<b>7</b>
<b>Fourth Semester (Spring 16 weeks)</b>							
DSPE 2359	Advanced Pedi Echocardiography	WECM	2	3	0	80	3
DSPE 2462	Clinical – DMST, Pedi Echo III	WECM	0	0	24	384	4
<b>Semester Total</b>			<b>2</b>	<b>3</b>	<b>24</b>	<b>464</b>	<b>7</b>
<b>Total Credits Required for AAS</b>					<b>SCH</b>	<b>70</b>	
<b>Total Contact Hours</b>					<b>TCH</b>	<b>2640</b>	
<b>Specialty in Pediatric Echocardiography</b>							

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Updated: 07-27-11

\*\* Courses must be taken prior to acceptance. \* Courses may be taken prior to acceptance