

Curriculum Outline

FICE 003539 CIP 51.0910

Alvin Community College

A.A.S. Diagnostic Cardiovascular Sonography – Echocardiography

Rubric/#	Title	Type	Wkly	Wkly	Wkly	Sem	Sem
			Lec Hrs	Lab Hrs	Clin Hrs	Cont Hrs	Cred Hrs
Program Pre-requisites							
ENGL 1301**	Composition and Rhetoric I	ACAD	3	0	0	48	3
BIOL 2401**	Anatomy and Physiology I	ACAD	3	3	0	96	4
MATH 1314**	College Algebra (or higher Trig/Calc)	ACAD	3	0	0	48	3
PHYS 1401**	General Physics (or any applied physics or CTEC 1401)	ACAD	3	3	0	96	4
Prerequisite Total			12	6	0	288	14
FIRST YEAR							
First Semester (Summer 11 weeks)							
DSAE 1407	Basic Patient Care Skills	WECM	3	2	0	80	4
DMSO 1210*	Introduction to Sonography	WECM	2	0	0	32	2
DSAE 2303*	Cardiovascular Concepts	WECM	3	1	0	64	3
Semester Total			8	3	0	176	9
Second Semester (Fall 16 weeks)							
Elective*	Fine Arts/Humanities/Career Spanish	ACAD	3	0	0	48	3
BIOL 2402*	Anatomy and Physiology II	ACAD	3	3	0	96	4
DSAE 1340	Diagnostic Electrocardiography	WECM	2	4	0	96	3
CVTT 1161	Clinical - Cardiovascular Technology	WECM	0	0	6	96	1
Semester Total			8	7	6	336	11
Third Semester (Spring 16 Weeks)							
DSAE 1318	Sonographic Instrumentation	WECM	2	2	0	64	3
DSAE 1303	Intro to Echocardiography Techniques	WECM	2	4	0	96	3
DSAE 1360	Clinical – DMST, Intro Echo	WECM	0	0	18	288	3
Semester Total			4	6	18	448	9
SECOND YEAR							
Fourth Semester (Summer 11 weeks)							
DSAE 2404	Echo Evaluation of Pathology I	WECM	2	4	0	96	4
DSAE 2361	Clinical – DMST, Echo I	WECM	0	0	26	288	3
PHED*	Physical Education	ACAD	0	3	0	48	1
Semester Total			2	7	26	432	8
Fifth Semester (Fall 16 weeks)							
DSAE 2437	Echo Evaluation of Pathology II	WECM	2	4	0	96	4
DSAE 2461	Clinical – DMST, Echo II	WECM	0	0	24	384	4
SOCI or PSYC*	SOCI1301 or PSYC2301 or 1300	ACAD	3	0	0	48	3
Semester Total			5	4	24	528	11
Sixth Semester (Spring 16 weeks)							
DSAE 2335	Advanced Echocardiography	WECM	2	4	0	96	3
DSAE 2462	Clinical – DMST Echo III	WECM	0	0	24	384	4
PHED*	Physical Education	ACAD	0	3	0	48	1
Semester Total			2	7	24	528	8
Total Credits Required for A.A.S. In Diagnostic Cardiovascular Sonography Specialty in Echocardiography						CTH	SCH
						2736	70

Updated 02-11

** Prerequisite courses must be completed or in progress by the application deadline. Deadline is February 15th.

* These courses may be taken prior to acceptance. * DSAE 2303 May be taken in advance of acceptance to renew expired A&P credits.