



Sonography/Echocardiography Associate of Applied Science

Program Summary Associate of Applied Science

The Echocardiography and Vascular Technology Programs provide the training and skills needed to enter this in-demand field in the medical community. Both echocardiography and vascular technology are specialized skills that involve examining a patient’s heart through ultrasonography. By partnering with local hospitals, these programs provide hands-on training with small class sizes that offer students the one-on-one training they need to be successful.

AAS 7021 Echocardiography		60 Hours	TSI Required
Prerequisite Courses (18 hours)			
Course	Title	Credit Hours	
BIOL 2401	Anatomy & Physiology I	4	
BIOL 2402	Anatomy & Physiology II	4	
BIOL 2420	Microbiology	4	
MATH 1314	College Algebra	3	
PSYC 2301	General Psychology	3	

Required Core Courses (42 Hours)		
Course	Title	Credit Hours
BCIS 1305	Business Computer Applications	3
DMSO 1302	Basic Ultrasound Physics	3
DSAE 1203	Introduction to Echocardiography Techniques	2
DSAE 1260	Clinical Diagnostics for Med Sonography/Ultra Technician	2
DSAE 1315	Principles of Adult Echocardiography	3
DSAE 1340	Diagnostic Echocardiography	3
DSAE 2235	Advanced Echocardiography	2
DSAE 2304	Echocardiographic Evaluation of Pathology I	3
DSAE 2437	Echocardiographic Evaluation of Pathology II	4
DSAE 2660	Clinical/Diagnostic Medical Sonography/Ultra Technician	6
DSAE 2661	Clinical/Diagnostic Medical Sonography/Ultra Technician	6
ENGL 1301	Composition I	3
HPRS 2200	Pharmacology for Health Professions	2



Health & Public Service



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BIOL 2402 Anatomy & Physiology II	4
BIOL 2420 Microbiology	4
MATH 1314 College Algebra	3
PSYC 2301 General Psychology	3
Total	18

Year 1: Semester 1

Course	Semester Credit Hours
DMSO 1302 Basic Ultrasound Physics	3
DSAE 1203 Introduction to Echocardiography Techniques	2
DSAE 1260 Clinical Diagnostics for Med Sonography/Ultra Technician	2
DSAE 1315 Principles of Adult Echocardiography	3
DSAE 1340 Diagnostic Echocardiography	3
HPRS 2200 Pharmacology for Health Professions	2
Total	15

Year 1: Semester 2

Course	Semester Credit Hours
DSAE 2304 Echocardiographic Evaluation of Pathology I	3
DSAE 2660 Clinical/Diagnostic Medical Sonography/Ultra Technician	6
ENGL 1301 Composition I	3
Total	12

Year 2: Semester 1

Course	Semester Credit Hours
BCIS 1305 Business Computer Applications	3
DSAE 2235 Advanced Echocardiography	2
DSAE 2437 Echocardiographic Evaluation of Pathology II	4
DSAE 2661 Clinical/Diagnostic Medical Sonography/Ultra Technician	6
Total	15