

Echocardiography Associates Program

The Echocardiography program at Danville Area Community College prepares the student for employment upon graduation as a key member of the health care team that performs a variety of sonographic procedures by operating complex equipment and providing skilled patient care.

This rigorous program offers a wide variety of educational experiences in professional/technical coursework. In addition to classroom and laboratory sessions, students will perform three semesters of clinical rotations coordinated by the faculty at DACC and directly supervised by credentialed technologists at affiliated medical facilities. This critical component of the curriculum allows students to perform real world hands-on application of knowledge. Graduates complete 1681 total program hours (classroom, laboratory and clinicals) which makes them eligible to take the national certification examinations in sonography given by the American Registry of Diagnostic Medical Sonographers (ARDMS) and Cardiovascular Credentialing International (CCI). Upon completion, students will be awarded an Associate degree in Applied Sciences.

Program sequence begins in the Summer semester.

Entrance Requirements:

Successful completion (Grade “C” or better) of the required prerequisite courses and/or have received a Bachelor’s degree within 5 years. Recommend current CPR certification.

Math* – placement by test into college algebra (MATH 111) or higher algebra-based mathematics or successful completion of MATH 108 Intermediate Algebra or higher algebra-based math course.

Prerequisite Courses	Hours	F,S,I,SU	Grade
Students can be enrolled in A&P II & Phys Sci 141 and apply			
BIOL 136 Anatomy and Physiology I	4		
BIOL 136 Anatomy and Physiology II	4		
PHYS 141 Physical Science I	4		
Total:	12		

Required Courses:

Core Courses	Hours	F,S,I,SU	Grade
First Semester (Summer)			
SONO110 Introduction to Sonography	2		
SONO111 Patient Care	3		

SONO112 Introduction to Sonographic Physics & Instrumentation	1		
SONO118 Sonographic Medical Terminology	2		
PSYC 100 Introduction to Psychology**	3		
Total:	11		
Second Semester (Fall)			
ECHO101 Cardiovascular Anatomy & Physics	3		
ECHO102 Echocardiography Procedures	8		
SONO113 Sonography Physics and Instrumentation	3		
ECHO106 Electrocardiography	1		
ENGL101 Rhetoric and Composition**	3		
Total:	18		
Third Semester (Spring)			
ECHO103 Clinical Education I	13		
ECHO107 Echocardiography Procedures II	2		
SPCH101 Oral Communications**	3		
Total:	18		
Fourth Semester (Summer)			
ECHO104 Clinical Education II	8		
ECHO105 Special Topics in Echocardiography	3		
Humanities Elective**(from approved IAI)	3		
Total:	14		
Total Program Credit Hours:	61		

Total Credit Hours: 73 (General Education, Prerequisite, and Core courses)

***Enrollment in developmental classes may increase the length of time it takes to complete an associate degree.**

****Recommended sequence for general education courses.**

Students will need to complete a separate application for consideration into this program. Please contact Instructor Jamie Moreland at 217-554-1659, Sonography Director, Rachael Arnholt, at 217-554-2497, or Senior Director of Medical Imaging, Tammy Howard, at 217-443-8552 with any questions. Application can be found at <https://dacc.edu/depts/echo>. Application deadline is March 15.

Gainful Employment: For program costs, completion and graduate information see <http://www.dacc.edu/assets/pdfs/cguides/2019-2020/GEA/Echocardiography.pdf>