

Adult Echocardiography (EC33)

Associate of Applied Science eMap

This eMap, along with regular meetings with your program advisor and using DegreeWorks, will help you remain on track to finish your program as quickly as possible and graduate from Georgia Northwestern Technical College. This eMap is intended to be used when beginning the program in Fall semester. Starting the program in Spring or Summer semesters may alter the suggested courses or course availability. This eMap is based on the 2026-2027 academic year.



Please note: Pre-occupational curriculum must be completed by the end of the spring semester in order to be eligible to compete for Adult Echo program entry. For either track, students should keep in mind the competitive admissions requirements and select the track that will allow the best rate of success. Any variation to the tracks may result in an extended wait period to compete for the program.

PRE-OCCUPATIONAL CURRICULUM – RECOMMENDED* (26 or 27 Credit Hours)

Summer start required for this track in order to meet eligibility deadline.

1 st set of suggested courses			
Course		Hours	Completed
ENGL 1101	Composition and Rhetoric	3	☐
MATH 1111	College Algebra	3	☐
OR	OR		
MATH 1103	Quantitative Skills and Reasoning		
BIOL 2113	Anatomy and Physiology I	3	☐
BIOL 2113L	Anatomy and Physiology Lab I	1	☐
2 nd set of suggested courses			
Course		Hours	Completed
PSYC 1101	Introductory Psychology	3	☐
MATH 1127	Introduction to Statistics	3	☐
OR	OR		
ALHS 1040	Introduction to Health Care	3	
OR	OR		
ALHS 1090	Medical Terminology for Allied Health Sciences	2	
BIOL 2114	Anatomy and Physiology II (Prerequisite: BIOL 2113)	3	☐
BIOL 2114L	Anatomy and Physiology Lab II (Prerequisite: BIOL 2113L)	1	☐
3 rd set of suggested courses			
Course		Hours	Completed
XXXX xxxx	Humanities/ Fine Arts Elective	3	☐
PHYS 1110	Conceptual Physics (Prerequisite: ENGL 1101, MATH 1111 or MATH 1103)	3	☐
PHYS 1110L	Conceptual Physics Lab (Prerequisite: ENGL 1101, MATH 1111 or MATH 1103)	1	☐

PRE-OCCUPATIONAL CURRICULUM - ALTERNATIVE (26 or 27 Credit Hours)

Fall start required for this track in order to meet eligibility deadline.

1 st set of suggested courses			
Course		Hours	Completed
ENGL 1101	Composition and Rhetoric	3	☐
MATH 1111	College Algebra	3	☐
OR	OR		
MATH 1103	Quantitative Skills and Reasoning		
BIOL 2113	Anatomy and Physiology I	3	☐
BIOL 2113L	Anatomy and Physiology Lab I	1	☐
PSYC 1101	Introductory Psychology	3	☐
2 nd set of suggested courses			
Course		Hours	Completed
MATH 1127	Introduction to Statistics	3	☐
OR	OR		
ALHS 1040	Introduction to Health Care	3	
OR	OR		
ALHS 1090	Medical Terminology for Allied Health Sciences	2	
BIOL 2114	Anatomy and Physiology II (Prerequisite: BIOL 2113)	3	☐
BIOL 2114L	Anatomy and Physiology Lab II (Prerequisite: BIOL 2113L)	1	☐
XXXX xxxx	Humanities/ Fine Arts Elective	3	☐
PHYS 1110	Conceptual Physics (Prerequisite: ENGL 1101, MATH 1111 or MATH 1103)	3	☐
PHYS 1110L	Conceptual Physics Lab (Prerequisite: ENGL 1101, MATH 1111 or MATH 1103)	1	☐

See page 2 for Occupational Curriculum.

Georgia Northwestern Technical College is a unit of the Technical College System of Georgia and an Equal Opportunity Institution.

Georgia Northwestern Technical College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees.

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OCCUPATIONAL CURRICULUM (45 Credit Hours)

Please note: Occupational curriculum is to be taken only after being officially accepted into the Adult Echocardiology program. The Adult Echo Program Advisor will guide course pathways.

Course		Hours	Completed
CAVT 1030	Electrophysiology and Cardiac Anatomy	3	☐
DMSO 1040	Sonographic Physics and Instrumentation	3	☐
DMSO 1080	Sonographic Physics and Instrumentation Registry Review	1	☐
DMSO 1090	Introduction to Vascular Sonography	1	☐
ECHO 1100	Echocardiography Fundamentals	3	☐
ECHO 1310	Echocardiography I	3	☐
ECHO 1320	Echocardiography II	3	☐
ECHO 1370	Echocardiography Clinical I	7	☐
ECHO 2310	Pediatric Echocardiography	3	☐
ECHO 2360	Echocardiography Clinical II	7	☐
ECHO 2370	Echocardiography Clinical III	10	☐
ECHO 2400	Comprehensive Registry Review	1	☐

Total Credit Hours: 71 Minimum Credit Hours Required for Graduation

Adult Echocardiography AAS Degree Program Planning Notes:

- This program has a competitive admission that occurs at the end of every spring semester.
- Pre-occupational curriculum must be completed by the end of the spring semester in order to be eligible to compete for Adult Echo program entry.
- All math and science courses must be current within 5 years.
- Eligibility forms to compete for the program should be turned in by the last day of the spring semester.
- Attendance to one sonography program information session is mandatory for the competitive admissions process. Students should contact their advisor for dates; Trevor Roberts, troberts@gntc.edu
- Occupational curriculum/classes for this program are offered at the Floyd County Campus.

Note: All required courses must be completed with a grade of "C" or better in order to graduate from this program.

Additional information for the Adult Echo AAS Degree and program requirements can be found at [GNTC 2026-2027 Course Catalog](#).