

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 2024-2025 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 | <input type="checkbox"/> |
| MATH 1111 | College Algebra | 3 | <input type="checkbox"/> |
| OR | OR | | |
| MATH 1103 | Quantitative Skills and Reasoning | | |
| BIOL 2113 | Anatomy and Physiology I | 3 | <input type="checkbox"/> |
| BIOL 2113L | Anatomy and Physiology Lab I | 1 | <input type="checkbox"/> |
| 2 nd set of suggested courses | | | |
| Course | | Hours | Completed |
| PSYC 1101 | Introductory Psychology | 3 | <input type="checkbox"/> |
| MATH 1127 | Introduction to Statistics | 3 | <input type="checkbox"/> |
| 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 | <input type="checkbox"/> |
| BIOL 2114L | Anatomy and Physiology Lab II (Prerequisite: BIOL 2113L) | 1 | <input type="checkbox"/> |
| 3 rd set of suggested courses | | | |
| Course | | Hours | Completed |
| XXXX xxxx | Humanities/ Fine Arts Elective | 3 | <input type="checkbox"/> |
| PHYS 1110 | Conceptual Physics (Prerequisite: ENGL 1101, MATH 1111 or MATH 1103) | 3 | <input type="checkbox"/> |
| PHYS 1110L | Conceptual Physics Lab (Prerequisite: ENGL 1101, MATH 1111 or MATH 1103) | 1 | <input type="checkbox"/> |

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 | <input type="checkbox"/> |
| MATH 1111 | College Algebra | 3 | <input type="checkbox"/> |
| OR | OR | | |
| MATH 1103 | Quantitative Skills and Reasoning | | |
| BIOL 2113 | Anatomy and Physiology I | 3 | <input type="checkbox"/> |
| BIOL 2113L | Anatomy and Physiology Lab I | 1 | <input type="checkbox"/> |
| PSYC 1101 | Introductory Psychology | 3 | <input type="checkbox"/> |
| 2 nd set of suggested courses | | | |
| Course | | Hours | Completed |
| MATH 1127 | Introduction to Statistics | 3 | <input type="checkbox"/> |
| 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 | <input type="checkbox"/> |
| BIOL 2114L | Anatomy and Physiology Lab II (Prerequisite: BIOL 2113L) | 1 | <input type="checkbox"/> |
| XXXX xxxx | Humanities/ Fine Arts Elective | 3 | <input type="checkbox"/> |
| PHYS 1110 | Conceptual Physics (Prerequisite: ENGL 1101, MATH 1111 or MATH 1103) | 3 | <input type="checkbox"/> |
| PHYS 1110L | Conceptual Physics Lab (Prerequisite: ENGL 1101, MATH 1111 or MATH 1103) | 1 | <input type="checkbox"/> |

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 | <input type="checkbox"/> |
| DMSO 1040 | Sonographic Physics and Instrumentation | 3 | <input type="checkbox"/> |
| DMSO 1080 | Sonographic Physics and Instrumentation Registry Review | 1 | <input type="checkbox"/> |
| DMSO 1090 | Introduction to Vascular Sonography | 1 | <input type="checkbox"/> |
| ECHO 1100 | Echocardiography Fundamentals | 3 | <input type="checkbox"/> |
| ECHO 1310 | Echocardiography I | 3 | <input type="checkbox"/> |
| ECHO 1320 | Echocardiography II | 3 | <input type="checkbox"/> |
| ECHO 1370 | Echocardiography Clinical I | 7 | <input type="checkbox"/> |
| ECHO 2310 | Pediatric Echocardiography | 3 | <input type="checkbox"/> |
| ECHO 2360 | Echocardiography Clinical II | 7 | <input type="checkbox"/> |
| ECHO 2370 | Echocardiography Clinical III | 10 | <input type="checkbox"/> |
| ECHO 2400 | Comprehensive Registry Review | 1 | <input type="checkbox"/> |

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.

Additional information for the Adult Echo AAS Degree and program requirements can be found at [GNTC 2024-2025 Course Catalog](#).

Total Credit Hours: 71 Minimum Credit Hours Required for Graduation