

Program Overview

The mission of Central Ohio Technical College is to meet the technical education and training needs of students and employers in the area.



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Diagnostic Medical Sonography Technology General Major / Cardiovascular Major

COTC awards the Associate of Applied Science to graduates of Diagnostic Medical Sonography Technology. The college offers two majors:

- **General** (Abdominal, Obstetrical and Gynecological)
- **Cardiovascular** (Adult Echocardiography and Vascular)

Learning Outcomes

The program goal is to prepare competent entry-level general and/or cardiovascular sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

- Utilize oral and written communication
- Provide basic patient care and comfort
- Demonstrate knowledge and understanding of human gross anatomy and sectional anatomy
- Demonstrate knowledge and understanding of physiology, pathology, and pathophysiology
- Demonstrate knowledge and understanding of acoustic physics, Doppler ultrasound principles, and ultrasound instrumentation
- Demonstrate knowledge and understanding of the interaction between ultrasound and tissue and the probability of biological effects in clinical examinations
- Employ professional judgment and discretion
- Understand the fundamental elements for implementing a quality assurance and improvement program, and the policies, protocols, and procedures for the general function of the ultrasound laboratory

- Recognize the importance of continuing education
- Recognize importance of, and employ, ergonomically correct scanning techniques

Important Student Characteristics

- Communication skills
- Detail-oriented & organized
- Strong math & science skills
- Team player & professional

Sonography Lab

COTC maintains a dedicated lab with sonographic equipment, so that students are able to practice real-time scanning skills.

Selection

Students must apply and be *selected* for COTC's highly competitive Diagnostic Medical Sonography program. Selection occurs *once a year in May*.

Before Selection

Prior to being selected into the program, students can enroll in courses that will count toward degree completion. These include general education as well as some medical courses which can enhance students' skills, enabling them to become more competitive. Before being selected, students may enroll part or full time. Some courses are offered online, evenings or weekends.

After Selection

Beginning in the autumn, students begin courses specific to their major: General or Cardiovascular. Program courses are sequential and conducted during daytime only. These courses are lockstep; they must be completed in the semester they are offered. Three clinical courses provide students with ample hands-on training at hospital sites. In addition, after shadowing a

registered sonographer, students perform the same procedures under the sonographer's guidance. Therefore, COTC students graduate with confidence grounded in experience.

Admission/Selection Requirements

Students upon meeting the general COTC admission requirements must meet the following specific requirements for selection into the Sonography Technology program. Selections are made on a competitive-selected process once a year. Minimum selection requirements completed and submitted by application deadline are:

- Submit online application to cotc.edu/apply.
- Complete COTC placement assessments or proof of waiver eligibility. If applicant places into precollege coursework, those courses must be completed earning a grade of "C" or higher prior to the Diagnostic Medical Sonography application deadline. Pre-college courses based upon placement assessments include the corequisite options.
- Attendance at a mandatory Medical Imaging/Sonography Information meeting, valid for 12 months.
- Submit official high school transcript* with date of graduation and cumulative GPA, or copy of GED certificate.
- Submit official college/university transcripts* from ALL colleges/universities previously and currently attended with GPA indicated.
- **Program pre-requisite courses**
 - Completion of Math 140 College Algebra
 - Completion of BIO 130 Human Anatomy & Physiology I

See reverse side for more information

cotc.edu

- Completion of PHYS 100 General Physics
- Completion of ENGL 112 Composition I
- All courses (prerequisite and program courses) require a “C” grade or higher.
- 8 hours of documented observation for each major at a Cardiovascular and/or General Sonography site with (16 total) completion of Evaluation of Observation form (completed by clinical facility).** (Completed within 12 months of application deadline.)
- Completion of Selection Exam (ATI TEAS). Scores valid for 12 months to application deadline. (www.cotc.edu/healthselectionexams)
- Submit documentation of Federal Background Check (FBI). The FBI background check cannot be older than 6 months prior to the application deadline and must be sent directly to COTC from fingerprinting agency. The FBI may be obtained at the Public Safety Department located in the Warner Center on the Newark Campus (740.366.9237) . Students must pay online first and present receipt. Visit this link for payment: <http://www.cotc.edu/depts/Pages/Public-Safety-Services.aspx>
- Complete Diagnostic Medical Sonography Application no later than deadline of May 15. Students must meet with an Academic Advisor to receive the application. By submitting the DMS application by May 15, the student is verifying that all requirements and documentation are complete and will be on file with the Gateway by the deadline of May 15. If any requirements are not met or required documentation not received by this application deadline, the application will be pulled from the selection process. Students will have the opportunity to re-apply for the next deadline.

Note: May 15, 2021 is a Saturday. Please make arrangements to meet with an advisor for the application before close of business, 5 p.m. Friday, May 14, 2021.

*Submit official college transcripts from all previous and current college and career centers with GPA indicated directly to the Gateway Student Records Office:
Central Ohio Technical College
Attn: Student Records
1179 University Drive
Newark, OH 43055

**Forms can be found on the Diagnostic Medical Sonography website: <http://www.cotc.edu/Academics/Pages/Diagnostic-Medical-Sonography-Technology.aspx>

- Watch the DMS informational video and submit confirmation as proof of completion. Video is available on this link: <http://www.cotc.edu/Academics/Pages/DMS---Additional-Information-.aspx>

Selection into the Sonography program is a competitive process based on multiple metrics including application requirements, TEAS scores, GPA, and evaluations.

Career Opportunities

Graduates find work with:

- Hospitals
- Outpatient centers
- Physician offices
- Private imaging centers
- Mobile diagnostic companies

How do I Start?

New students can complete the **free** online application for admission at cotc.edu/apply. Current or returning students can contact The Gateway at any of our four campus locations for your next steps.

The Gateway:

Newark Campus	740.366.9222 800.963.9275
Coshocton Campus	740.622.1408
Knox Campus	740.392.2526
Pataskala Campus	740.755.7090

cotc.edu/gateway

COTC Admissions:

cotcadmissions@mail.cotc.edu

COTC Academic Advising:

cotcadvising@mail.cotc.edu

Faculty Advisors can be reached during the academic year from August to May.

Accreditation/Membership

The Diagnostic Medical Sonography Program at Central Ohio Technical College is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of The Joint Review Committee on Education in Diagnostic Medical Sonography.

Central Ohio Technical College is accredited by The Higher Learning Commission and is a member of the North Central Association. Phone: 312.263.0456
hlcommission.org

COTC is also a member of the American Association for Higher Education, the American Association of Community Colleges, the American Council on Education, the American Technical Education Association, Inc., the Ohio Association of Two-Year Colleges and the Ohio College Association.

Non-Discrimination Statement

Central Ohio Technical College is committed to building and maintaining a diverse community to reflect human diversity, and to improve opportunities for all. The college is committed to equal opportunity and eliminating discrimination. This commitment is both a moral imperative consistent with an intellectual community that celebrates individual differences and diversity, as well as matter of law. Central Ohio Technical College does not discriminate on the basis of age, ancestry, color, disability, gender, gender identity or expression, genetic information, HIV/AIDS status, military status (past, present or future), national origin (ancestry), race, religion, sex, sexual orientation, protected veteran status, status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent or any other basis under the law, in its activities, programs, admission and employment. General information, questions, concerns or complaints related to these matters are to be directed to the Title IX Coordinator Holly Mason, Warner Center, Suite 236, Ohio State Newark/COTC, 1179 University Drive, Newark, Ohio 43055-1797 (740.364.9578) or ADA/504 Coordinator Connie Zang at the same location.



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