



MIDWESTERN CAREER COLLEGE



NON-INVASIVE CARDIOVASCULAR TECHNOLOGIST

Midwestern Career College's **Associate of Applied Science (AAS)** degree program in **Non-invasive Cardiovascular Sonography (NICVS)** prepares students for entry-level positions in the field of cardiovascular sonography with the required general education, work habits, applied knowledge, and technical skills including:

- patient care procedures
- Holter monitoring
- diagnostic tests such as stress tests and EKG/ECG
- pre-examination and examination assistance

Externship is provided through this program and is an integral part of career developing and placement.

This program consists of two modules:

- Certified Cardiology Technician (CCT)
- Noninvasive Cardiovascular (Echo) Sonographer

Graduates of this program will have sufficient knowledge and skills to work in an ultrasound or sonography center or a hospital's sonography department as an ultrasound (echo) technician.

Typical tasks include operating the systems and perform ultrasound (echo) procedures, as well as registering patients and setting up appointments.

Students will receive hands-on training in cardiac ultrasound and vascular ultrasound on Acuson, Philips and GE machines, with 450 externship hours.



About Midwestern Career College

Established in 2004, the institution operates in multiple locations across the Chicago-metro region and is accredited by the Council on Occupational Education (COE).

MCC's mission is to transform the institution and strengthen its ability to accomplish the objectives of academic excellence, social responsibility, affordable access and student career development.

KEY DIFFERENTIATORS

- Exclusive focus on health care education with broad alumni network and experienced faculty
- Flexible schedules and frequent program starts
- Extensive network of clinical externship sites at leading Chicago-metro hospitals and clinics
- Significant emphasis on career services and expanding industry network and alliances
- Financial Aid: Federal grants and loans, WIAO, VA, among others

Classes Start Soon!



Duration:

80 Weeks



Location:

Chicago (Downtown)



Format:

Classroom,
Clinical Site



Certifications

Graduates of this program are eligible for national certification as a **Certified Cardiographic Technician** through the Cardiovascular Credentialing International (CCI) Registry. This college does not provide certification eligibility for cardiovascular sonography. However, graduates may qualify for the **Registered Diagnostic Cardiac Sonographer (RDCS) credential** through ARDMS or the **Registered Cardiac Sonographer (RCS) credential** through the CCI Registry if they have:

- a two-year degree in healthcare
- a four-year degree prior to the start of this program, or
- one year of work experience in the sonography field from the date of graduation of this program

Career Outlook

Employment of cardiovascular technologists is projected to grow 22% over the next decade, much faster than the average for all occupations, according to the U.S. Department of Labor, Bureau of Labor Statistics.

As imaging technology evolves, medical facilities will continue to use ultrasound to replace more invasive, costly procedures. Cardiovascular technologists will continue to be needed in healthcare settings to provide an alternative to imaging techniques that involve radiation.

As the large baby-boom population ages, the need to diagnose medical conditions—such as blood clots and heart disease—will likely increase. Imaging technology is a tool used in making these diagnoses.

Learn about the career outlook for cardiovascular technologists at <http://www.bls.gov/ooh/>.

Catalog

The Midwestern Career College catalog can be found online at www.mccollege.edu/catalog.

Midwestern Career College is approved by the Division of Private Business and Vocational Schools of the Illinois Board of Higher Education (IBHE) and is accredited by the Council on Occupational Education (COE).

Curriculum

Term I

PHY101 Introduction to Physics
ALH101 Medical Terminology
CCT101 Intro to Cardiographic Technology Prof.
CCT102 Cardiology II
CCT103 Cardiology Lab

Term II

ENG111 Oral and Written Communication I
CVS121 Introduction to Echocardiography
CVS122 Echocardiography Protocol I
CVS123 Cardiac Hemodynamic
CVS124 Systolic & Diastolic Functions
CVS125 Systolic & Diastolic Functions Lab

Term III

SYC114 Introduction to Psychology
ENG211 Oral and Written Communication II
CVS231 Introduction to Cardiac Diseases I
CVS232 Echocardiography Protocol II
CVS233 Cardiac Diseases II
CVS234 Cardiac Diseases III

Term IV

HUM115 Introduction to Humanities
CVS241 Ultrasound Physics & Instrumentation
CVS242 Echocardiography Protocol III
CVS243 Echo Modalities & NICVS Review Course
CVS245 Echo Externship

Program Length: 80 Weeks

Tuition: \$24,000 (Diploma), \$26,000 (AAS)

The structure of courses may change depending on future program development and scheduling.