



## ASSOCIATE OF APPLIED SCIENCE IN NON-INVASIVE CARDIOVASCULAR SONOGRAPHY

Non-invasive cardiovascular sonography (NICVS) is a vital tool in medical imaging, and through our program, you can prepare for an exciting and rewarding career in this in-demand diagnostic healthcare field. Our program is a great choice both for students new to the medical profession and for those looking to advance their current healthcare career.



Dedicated  
Faculty



Experienced  
Career Services

### PROGRAM INFO

Length: **80 Weeks/5 Terms**  
Semester Credit Hours: **78**  
Clock Hours: **1,680**  
Tuition: **\$30,600**  
Format: **Face-to-face**

### INDUSTRY CERTIFICATIONS

**Cardiographic Technician: CCT** from CCI  
**Sonography Principles and Instrumentation: SPI** from ARDMS after completion of physics and instrumentation courses  
**Cardiac Sonography:** Pathway to Registered Cardiac Sonographer (**RCS**) certification from CCI, with completion of 450 hours of clinical experience  
Pathways to Registered Diagnostic Cardiac Sonographer (**RDCS**) from ARDMS.

### EXTERNSHIP

**450 Hours**

### CAMPUS

**Chicago**  
Main Campus

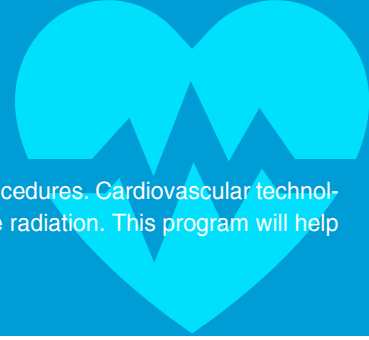
\*Financial aid available to those who qualify. Payment plans available. See catalog for full pricing details.

**MIDWESTERN CAREER COLLEGE**  
(312) 236 9000 | [MCCollege.edu](http://MCCollege.edu)

Midwestern Career College (MCC) is approved by the Division of Private Business and Vocational Schools of the Illinois Board of Higher Education (IBHE). IBHE address and website for reporting complaints: Illinois Board of Higher Education Division of Private Business and Vocational Schools, 1 N. Old State Capitol Plaza, Suite 333, Springfield, IL, 62701; Phone (217) 782-2551 Fax (217) 782-8548; <http://complaints.ibhe.org/>. Midwestern Career College (MCC) is accredited by the Commission of the Council on Occupational Education. For more information about the College's accreditation, you may contact Council on Occupational Education (COE), 7840 Roswell Road, Building 300, Suite 325, Atlanta, GA 30350, Telephone: 770-396-3898, Fax: 770-396-3790, [www.council.org](http://www.council.org). MCC is approved by the State of Illinois Department of Veteran's Affairs. MCC is authorized under Federal law to enroll nonimmigrant alien students. Programs may vary by location. Information is subject to change. Contact MCC for the latest information. Equipment shown in the promotional materials may not be an exact representation of that available during the course of study. For more information about graduation rates, the median debt of students who completed the programs, and other important information, visit our website at [www.mccollege.edu/consumer-information](http://www.mccollege.edu/consumer-information). Effective 05/08/2019

# ASSOCIATE OF APPLIED SCIENCE IN NON-INVASIVE CARDIOVASCULAR SONOGRAPHY

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. This program will help prepare you for this exciting career in medical diagnostics.



## What is Non-Invasive Cardiovascular Sonography?

Cardiac sonographers, or echocardiographers, use non-invasive cardiovascular technology equipment to assist in the diagnosis and treatment of patients with heart and blood vessel conditions. Cardiovascular sonographers perform echocardiograms, known as ultrasound imaging, to evaluate different aspects of the heart, such as chamber size, valve function and blood flow. They work with physicians, using technology to help assess patients and their conditions.



## NON-INVASIVE CARDIOVASCULAR SONOGRAPHERS

- Operate cardiovascular ultrasound equipment
- Perform Holter monitoring
- Run diagnostic tests such as stress tests and EKG/ECG
- Conduct pre-examination and examination assistance
- Practice patient care procedures in the cardiac field

## INDUSTRY CERTIFICATIONS

- **Certified Cardiographic Technician** from Cardiovascular Credentialing International (CCI)
- **Sonography Principles and Instrumentation (SPI)** from the American Registry for Diagnostic Medical Sonography (ARDMS)
- Certain educational and experiential pathways may be available for **Sonography (RDCS AE)** certification from the American Registry for Diagnostic Medical Sonography (ARDMS).

There is no mandatory requirement that cardiac sonographers hold a license in the states of Illinois, Wisconsin or Indiana to practice. Professional certification is generally required to qualify for employment in most clinical settings.

## EXTERNSHIP

Students of this program are required to complete a 450-hour externship at an MCC-affiliated externship site. Through externship, you can:

- Put into practice what you're taught in the classroom
- Gain real-world patient care experience
- Build your resume to be more competitive
- Become more employable
- Grow your professional network

## CAREER OUTLOOK

According to the Bureau of Labor Statistics, diagnostic imaging worker employment is expected to grow by 17% from 2016–2026. Learn more at <http://www.bls.gov/ooh/healthcare/diagnostic-medical-sonographers.htm>.

## CATALOG

The Midwestern Career College catalog can be found online at [MCCCollege.edu/catalog](http://MCCCollege.edu/catalog).

## CURRICULUM HIGHLIGHTS\*

Cardiology I and II  
Cardiology Lab  
Introduction to Echocardiography  
Echocardiography Protocol I, II, III and IV  
Cardiac Hemodynamic  
Systolic & Diastolic Functions  
Systolic & Diastolic Functions Lab  
Cardiac Diseases I and II  
Vascular Ultrasound  
Board Exam Prep  
Ultrasound Physics & Instrumentation I and II  
Echo Modalities and NICVS Review Course  
Echo Externship

## ABOUT MIDWESTERN CAREER COLLEGE

MCC's mission is to provide premier career-focused education to empower students with academic training, technical expertise and professional support to launch or advance their successful careers.

Established in 2004, MCC has locations in downtown Chicago, Naperville and Blue Island and is accredited by the Commission of the Council on Occupational Education (COE).\*

\*See disclaimer for full contact information.

## ADMISSIONS OFFICE

- **Chicago** (Main Campus) 100 South Wacker Drive., LL1-50, Chicago, IL 60606 | 312.236.9000 x1

Contact Us    

312.236.9000 | [admissions@MCCCollege.edu](mailto:admissions@MCCCollege.edu) | [MCCCollege.edu](http://MCCCollege.edu)

