

# Cardiovascular Technology – Echocardiography

PROGRAM CODE: 10-521-2



Associate Degree

**Location:** Downtown Milwaukee Campus**Start Date:** January

**Admission Requirement:** High school diploma or equivalent. This program admits students through a waiting list process. Visit the program's webpage at [matc.edu](http://matc.edu) to view the waiting list process and all requirements.

**Academic Preparedness Requirements:** One year of high school-level biology, chemistry and algebra

**Financial Aid Eligible:** Yes. Use code 003866 at [fafsa.gov](http://fafsa.gov).

## Program Description

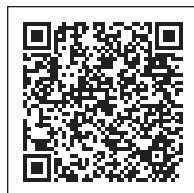
Learn to perform echocardiograms, a widely used diagnostic test for heart disease. Echocardiography technologists perform the tests in hospitals and outpatient facilities, utilizing ultrasound equipment to gather data about the cardiac chambers, valves and vessels leading to and from the heart. Completing this program fulfills prerequisites to take the Registered Cardiac Sonographer (CCI) or Registered Diagnostic Cardiac Sonographer (ARDMS) exam.

## Career Outlook

The continuing demand for echocardiography technologists indicates strong employment opportunities.

## Program Learning Outcomes

- Exhibit patient care skills.
- Model professional behaviors as a CVT.
- Explain diagnostic and/or interventional procedures.



## Complete Program Details

**QUESTIONS?** 414-297-6263, 262-238-2281 or [healthpathway@matc.edu](mailto:healthpathway@matc.edu)

## COURSES

|                   |  | CREDITS |
|-------------------|--|---------|
| <b>BIOSCI-177</b> | General Anatomy and Physiology ‡ ^ .....       | 4       |
| <b>ENG-195</b>    | Written Communication ‡ .....                  | 3       |
|                   | (or) ENG-201 English 1 ‡ .....                 |         |
| <b>PSYCH-199</b>  | Psychology of Human Relations .....            | 3       |
|                   | (or) Any 200-level PSYCH course .....          |         |
| <b>SOCSCI-172</b> | Introduction to Diversity Studies .....        | 3       |
|                   | (or) Any 200-level SOCSCI course .....         |         |
| <b>DMS-200</b>    | Introduction to DMS ‡ .....                    | 3       |
| <b>DMS-221</b>    | Sonography Physics 1 ‡ .....                   | 3       |
| <b>CVTECH-115</b> | Essentials of Cardiac Care 1 ‡ ^ .....         | 4       |
| <b>CVTECH-102</b> | Introduction to CVT ‡ ^ .....                  | 2       |
| <b>CVTECH-110</b> | EKG Analysis ‡ ^ .....                         | 2       |
| <b>CVTECH-118</b> | Echocardiography Basics ‡ .....                | 3       |
| <b>ENG-197</b>    | Technical Reporting ‡ .....                    | 3       |
|                   | (or) Any 200-level ENG or SPEECH course .....  |         |
| <b>CVTECH-121</b> | Echo Clinical Procedures ‡ .....               | 2       |
| <b>CVTECH-144</b> | Advanced Echo Practicum ‡ .....                | 3       |
| <b>CVTECH-145</b> | Echocardiography Fundamentals ‡ .....          | 4       |
| <b>CVTECH-149</b> | Echocardiography Clinical Experience 1 ‡ ..... | 2       |
| <b>DMS-222</b>    | Sonography Physics 2 ‡ .....                   | 2       |
| <b>ELECTIVES</b>  | (Two credits) .....                            | 2       |
| <b>CVTECH-142</b> | Echo Case Review ‡ .....                       | 3       |
| <b>CVTECH-195</b> | Echocardiography Clinical Seminar ‡ .....      | 2       |
| <b>CVTECH-196</b> | Echocardiography Clinical Experience 2 ‡ ..... | 4       |
| <b>CVTECH-197</b> | Echocardiography Clinical Experience 3 ‡ ..... | 4       |

## CREDITS

Total credits needed to complete this degree

61

‡ Prerequisite required.

^ Counts toward earning the EKG Technician certificate.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online. Check each course's delivery options in Self-Service at [selfservice.matc.edu](http://selfservice.matc.edu).

This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 9355 - 113th Street N, #7709, Seminole, FL 33775; 727-210-2350; [caahep.org/Students/Program-Info/Cardiovascular-Technology.aspx](http://caahep.org/Students/Program-Info/Cardiovascular-Technology.aspx). Accreditation is based upon a recommendation by the Joint Review Committee (JRC-CVT).