



Cardiovascular Technology – Echocardiography

ASSOCIATE DEGREE

Program Code: 10-521-2

Downtown Milwaukee Campus

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.

You can earn the EKG Technician certificate on your way to completing this associate degree.

Program Learning Outcomes

- Exhibit patient care skills
- Model professional behaviors as a CVT
- Explain diagnostic and/or interventional procedures
- Apply principles of anatomy and pathophysiology to cardiovascular care

(For full description, see matc.edu.)

Admission Requirements

High school diploma or GED, and one year of high school-level biology, chemistry and algebra required. Program admits students through a petition selection process. See program's webpage at matc.edu to view all requirements.



Healthcare
MILWAUKEE AREA Technical College

matc.edu | 414-297-MATC

Start date: January

COURSES	Credits
BIOSCI-177	General Anatomy and Physiology ‡ ^4
ENG-195	Written Communication ‡3 (or) ENG-201 English 1 ‡
PSYCH-199	Psychology of Human Relations3 (or) Any 200-level PSYCH course
SOCSCI-172	Introduction to Diversity Studies3 (or) Any 200-level SOCSCI course
DMS-200	Introduction to DMS ‡3
DMS-221	Sonography Physics 1 ‡3
CVTECH-115	Essentials of Cardiac Care 1 ‡ ^4
CVTECH-102	Introduction to CVT ‡ ^2
CVTECH-110	EKG Analysis ‡ ^2
CVTECH-118	Echocardiography Basics ‡3
ENG-197	Technical Reporting ‡3 (or) Any 200-level ENG or SPEECH course
CVTECH-121	Echo Clinical Procedures ‡2
CVTECH-144	Advanced Echo Practicum ‡3
CVTECH-145	Echocardiography Fundamentals ‡4
CVTECH-149	Echocardiography Clinical Experience 1 ‡2
DMS-222	Sonography Physics 2 ‡2
ELECTIVES	(Two credits)2
CVTECH-142	Echo Case Review ‡3
CVTECH-195	Echocardiography Clinical Seminar ‡2
CVTECH-196	Echocardiography Clinical Experience 2 ‡4
CVTECH-197	Echocardiography Clinical Experience 3 ‡4
TOTAL CREDITS: 61	

‡ Prerequisite required.
^ Counts toward earning the EKG Technician certificate.
Program curriculum requirements are subject to change.
This Associate in Applied Science program will transfer
to one or more four-year institutions.

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

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).

Possible Careers

- Echocardiographer
- EKG Technician

Related Programs

- Cardiovascular Technology -
Invasive
- EKG Technician



10% Post Consumer Recycled



matc.edu or 414-297-MATC
Wisconsin Relay System 711

Downtown Milwaukee Campus
700 West State Street

Mequon Campus
5555 West Highland Road

Oak Creek Campus
6665 South Howell Avenue

West Allis Campus
1200 South 71st Street

**MATC Education Center
at Walker's Square**
816 West National Avenue, Milwaukee