



Academic & Career Pathways  
MILWAUKEE AREA Technical College

# Healthcare Courses Map

**Location:**

Downtown Milwaukee Campus

**Program Code:**

10-521-2

**Offering:**

In-class

**Degree Type:**

2-Year Degree (Associate)

**Start Dates:**

January

**Total Credits:**

60

# Cardiovascular Technology Echo Program

## 1. Prerequisites

- General requirements: 1 year of high school chemistry, biology, and algebra with grade of C or higher

The following **Science course** must be completed **Prior to Petitioning:**

Semester 1	FALL / SPRING	Cr
(1) ENG-195	Written Communication (or) ENG-201 English 1 ‡	3
(1) <b>BIOSCI-197</b>	Microbiology * ^	4
(1) PSYCH-199	Psychology of Human Relations (or) Any 200-level PSYCH course	3
(1) SOCSCI-172	Introduction to Diversity Studies (or) Any 200-level SOSC course	3

‡ Prerequisite required.

^ Counts toward earning the EKG Technician certificate.

\* **Cardiovascular Technology students are not required to take NATSCI-177/179 or 201/202 as prerequisites to NATSCI-197;** go to [Selfservice.matc.edu](http://Selfservice.matc.edu) and submit a waiver indicating you are a CVT student.

Semester 2	FALL / SPRING	Cr
(2) ENG-197	Technical Reporting (or) Any 200-level ENG or SPEECH course	3
(2) ELECTIVES	(Two 100-level credits)	2

**NOTE: Depending on when you complete BIOSCI-197 with Grade of C+ or higher, you may submit your petition on SEPTEMBER 1st.**

The Cardiovascular Tech. Echo Program **Petition ONCE a year- in SEPTEMBER** for JANUARY start.

The Petition Process is the method that students follow to inform the Healthcare Pathway when they are ready and prepared to begin the core technical courses in their chosen health science program. All students must petition and be accepted into their program before registering for core technical courses.

If offered a seat into the program, students can start their core/technical courses the following semester.

#### RELATED PROGRAMS

- EKG TECHNICIAN
- CARDIOVASCULAR TECHNOLOGY - INVASIVE

#### QUESTIONS?

Healthcare Academic & Career Pathway  
262-238-2281 or  
414-297-6263  
healthpathway@matc.edu

## 2. Petition Requirements

Completion of:

- **BIOSCI-197** with Grade of **C+** or higher required
- Cumulative GPA of **2.5** required
- **Entrance Exam: HP-A2** (80% passing rate)
- Cost: \$46 (subject to change)  
<https://sites.google.com/gmatc.matc.edu/exams>
- **Petition Application form:** <https://www.matc.edu/course-catalog/healthcare-services/petitioning-information.html>

## 3. Technical / Core Courses

Semester 1	SPRING	Cr
(1) CVTECH-102	Introduction to CVT ‡ ^	2
(1) CVTECH-110	EKG Analysis ‡ ^	2
(1) CVTECH-115	Essentials of Cardiac Care 1 ‡ ^	4
(1) CVTECH-118	Echocardiography Basics ‡	3
Semester 2	SUMMER	Cr
(2) CVTECH-121	Echo Clinical Procedures ‡	2
Semester 3	FALL	Cr
(3) CVTECH-140	Echo Instrumentation ‡	4
(3) CVTECH-149	Echocardiography Clinical Experience 1 ‡	2
(3) CVTECH-144	Advanced Echo Practicum ‡	3
(3) CVTECH-145	Echocardiography Fundamentals ‡	4
Semester 4	SPRING	Cr
(4) CVTECH-142	Echo Case Review ‡	3
(4) CVTECH-143	Ultrasound Principles and Physics ‡	3
(4) CVTECH-195	Echocardiography Clinical Seminar ‡	2
(4) CVTECH-196	Echocardiography Clinical Experience 2 ‡	4
(4) CVTECH-197	Echocardiography Clinical Experience 3 ‡	4

## Upon Graduation:

- Graduates are eligible to take the Registered Cardiac Sonographer (CCI) or Registered Diagnostic Cardiac Sonographer (ARDMS) exam.
- And can earn the EKG Technician certificate on the way to completing this degree.



**DOWNTOWN MILWAUKEE**  
700 West State Street

**MEQUON**  
5555 West Highland Road

**OAK CREEK**  
6665 South Howell Avenue

**WEST ALLIS**  
1200 South 71st Street

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

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