St. Clair County TEC

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Marysville, MI 48040

(810) 455-1010

sctec.org
@StClairTEC
@STCLAIRTEC
stclairtec

2023-24 Program Offerings Guide

TEC offers career and technical education opportunities in 14 distinct program areas.

Find one that fits you.

Building the **workforce** one **student** at a time

The St. Clair County Technical Education Center helps students develop skills they will use in the career they choose. TEC students apply the math, science, and language arts skills they learn in high school to their career-related training program.

TEC also helps students develop a road map for life after graduation. Successful TEC students will be certified and ready to begin their career or take advanced training. Successful TEC students can enroll at four-year universities, two-year community colleges, or technical schools and institutes. They can participate in an apprenticeship or enlist in the military. They have the skills, experience, and career plan to be whatever they choose to be.

TEC students have the opportunity to earn three distinct certifications which validate **Technical Skill**, **Academic Skill**, and **Employability Skill** attainment.

THE TEC ADVANTAGE

The St. Clair County Technical Education Center offers career and technical education (CTE) programs to high school juniors and seniors who are enrolled in a public school in St Clair County.

TEC students meet with the same teacher and classmates every day for 2½ hours. This extra time helps develop a close working relationship between staff and students. Instructors are able to give extra instruction when needed, or provide more challenging material tailored to ability level.

The goal at TEC is to prepare students for a successful career. TEC provides students with the most current training and equipment. Employers from business and industry regularly advise staff on what equipment should be used, as well as the type of employees they are currently seeking.

As a TEC student you will:

Gain real-world skills
Learn employability skills to back up the technical training and education received.

Explore careers to find your passion
Discover and learn more about occupations through work-based learning.

Have options for college and career success
Increase options for college and career success.

A guide to TEC programs

PREPARING YOU FOR YOUR FUTURE

TEC's career and technical education gives learning a boost. It combines traditional courses with career-focused learning to give students extra preparation for college and careers. The hands-on experience makes classes more engaging, more interesting, and more meaningful.

Automotive Technology

First-year students study vehicle safety, maintenance and light repair, braking systems, and suspension and steering. During the second year, students finish vehicle maintenance, light repair, and electrical systems. Upon completing these areas, they will have the opportunity to take the State of Michigan certification test in electrical systems, followed by the ASE test in maintenance and light repair.

Collision Repair

Students are taught basic body repair elements, including vehicle preparation (sanding and grinding), welding, metal refinishing and multi-stage paint systems, body filling, and fiberglass repair. Students who complete the ASE Education Foundation certified Collision Repair program have the opportunity to take the ASE Painting and Refinishing Test, the State of Michigan Mechanics Certification test in Unitized Body Structural Repair, and the I-CAR Gold Non-Structural and Refinishing Certifications.

Computer Programming

Students will be introduced to computer programming basics using Scratch, JavaScript, and Python programming languages. As students advance through the two-year program, they will learn Java, HTML and CSS programming languages. Students will have the opportunity to focus on creative problem-solving and real-world applications. Students have the opportunity to earn Information Technology (IT) Specialist Certifications in various programming languages.

Take an in-depth look at TEC's 14 distinct program offerings at: sctec.org

Construction Trades W B L

Construction Trades students complete core work and study carpentry, electrical, masonry, and plumbing. Training takes place in the classroom and construction lab. Safety and technical skills are taught in the construction lab.

Cosmetology

The cosmetology program requires students to complete 1,500 hours of training beginning in their junior year of high school. The program prepares students to become a State licensed cosmetologist. Students become proficient in perms, haircuts, manicures, pedicures, facials, and hair coloring.

Culinary Arts

Students will train in food preparation, cooking, baking, and hospitality management in a commercial kitchen along with learning cost control, menu planning, and purchasing in the classroom. Instruction is provided in a variety of cooking and baking techniques. Students will have the opportunity to earn a ServSafe® Certification in the second year of the program.

Cybersecurity

Cybersecurity is dedicated to training students in computer repair, networking, and security, introducing students to IT concepts and networking, and progressing into key security operation functions: detection, investigation, and remediation. Students will also utilize the knowledge and skill acquired throughout the two years in a work-based learning experience and run the TEC Helpdesk, a student-run computer repair business. TEC prepares students to become certified in CompTIA, IT Fundamentals, Network+, and Security+.

Digital Media Technology W B L

This program introduces students to new media production techniques, including audio, video, and graphic design. Students use Mac computers to complete projects using the Adobe Creative Cloud package, including Photoshop, Illustrator, Audition, After Effects, and Premiere Pro software programs.

Education and Early Childhood Development W B L

Students will be introduced to careers in education and explore lesson plans, growth and childhood development, special education, technology in the classroom, and other introductory concepts. Students will have the opportunity to tour schools, shadow teachers, and briefly work in a school building classroom. The two-year program offers students the opportunity to earn a credential in Early Childhood Education or PreK–12 Education.

Less-Than-Class-Size Programs

Less-Than-Class-Size programs provide training opportunities in career areas that are not available at the TEC facility. Students receive training at an assigned location from trained and certified personnel employed there. Students are considered trainees and do not receive pay. Programs include Heavy Equipment Technology, Small Engine Repair, and Natural Resources Management.

Engineering & Robotics

Students will learn about integrating electronics, mechanics, pneumatics, and programming to create economical, efficient, and reliable automated systems used in industrial, medical, residential and commercial settings and efficient transportation systems. Students will learn the basic concepts necessary to design, build, maintain and control robots and other automated systems. They will complete FANUC American's "Certified Education Robot Training" and may earn a Level I and Level II industry certification.

W B L Successful completion of the first-year program can lead to full-time work-based learning opportunities for the second year.

Health Careers W B L

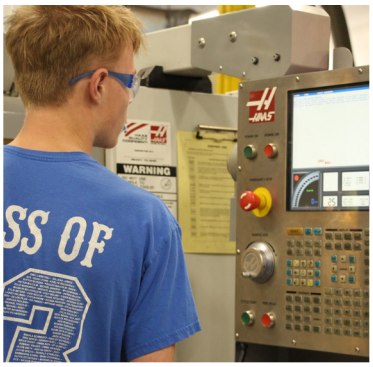
All first-year students complete core studies and then participate in the Certified Nursing Assistant (CNA) or Health Careers Exploration program. Students who choose CNA prepare for clinical training at a long-term care facility. Students study the care of residents/patients, infection control, safety procedures, rehabilitation, and interpersonal/communication skills. Upon completion of classroom lab and clinical experience, students take the Michigan Comprehensive Evaluation Examination to become a Certified Nursing Assistant. Students who choose Health Careers Exploration will have the opportunity to learn about six areas within health careers. They will study areas of interest, complete written assignments, and participate in job shadows at medical facilities related to their areas of interest. As a second-year option, all students may be considered for an internship at a medical facility in one of 30+ areas.

Metal Machining Technology

Students will learn how to manufacture products using precision machinery that is recognized in today's industry. Students will be exposed to design concepts that incorporate different manufacturing processes that lead to a final consumer product.

Welding Technology

This program offers students the opportunity to develop a thorough understanding of welding technology. Students will learn to weld in various positions using various techniques and materials such as steel, stainless steel, and aluminum. Upon completing these areas, they will have the opportunity to take the corresponding AWS Sense Certification test.

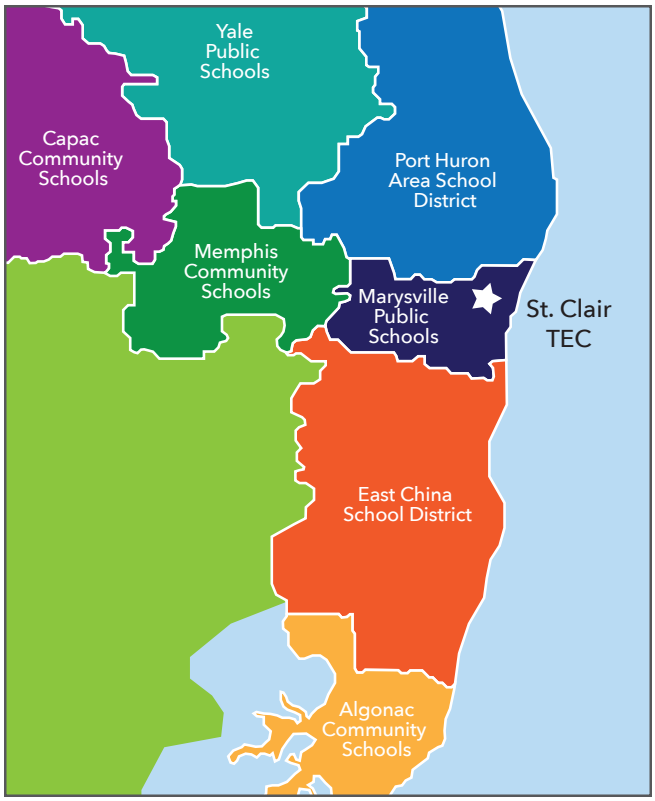


A UNIQUE APPROACH TO YOUR FUTURE

CTMC CAREER & TECHNICAL MIDDLE COLLEGE

The Career & Technical Middle College at St. Clair TEC allows students to pursue career-oriented studies in both the high school and college setting while earning college credit at no cost. CTMC students can earn up to an associate degree at St. Clair County Community College through a 13th year of high school. The following programs participate in the Career & Technical Middle College at TEC:

- Computer Programming
- Cybersecurity
- Digital Media Technology
- Education and Early Childhood Development
- Engineering and Robotics
- Health Careers
- Metal Machining Technology
- Welding Technology



See for yourself: Schedule a personal visit to TEC

TEC encourages students thinking about attending to spend a day shadowing current students. This allows you to meet the teachers and students, ask questions, look around, and get comfortable with all of the opportunities at TEC. Contact your high school counselor to arrange your visit.

Serving the students of St. Clair County

St. Clair TEC is available to all 11th- and 12th-grade students who are enrolled in a public school in St. Clair County.

If you are a resident of St. Clair County, but not currently enrolled in a public school, please call Student Services at (810) 455-1010 for more information on how you may participate.

St. Clair County TEC

TECHNICAL EDUCATION CENTER
499 Range Road, Marysville, MI 48040
(810) 455-1010 • www.sctec.org

St. Clair County RESA does not discriminate on the basis of race, color, religion, gender (or gender expression), age, national origin, ancestry, height, weight, marital status, familial status, political belief or affiliation, disability, handicap or any legally protected classification. No person shall be excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in any program, employment practice or activity for which it is responsible or for which it receives state or federal assistance. In addition, arrangements can be made to ensure that the lack of English language proficiency is not a barrier to admission or participation. The following person has been designated to handle inquiries regarding the RESA's non-discrimination policies: Jean Gibson Sturtridge, Director of Legal Services, 499 Range Road, PO Box 1500, Marysville, MI 48040, sturtridge.jean@sccresa.org, 810-364-8990.

St. Clair County RESA design 4 THE future

TEC is part of RESA's **Design4theFuture** initiative. The initiative's goal is to ensure each St. Clair County student graduates from high school well-prepared, passionate about their future and has a plan to pursue that passion.

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