



CAREER
TECHNICAL EDUCATION
TROY SCHOOL DISTRICT



CAREER & TECHNICAL EDUCATION

PARENT & STUDENT GUIDEBOOK

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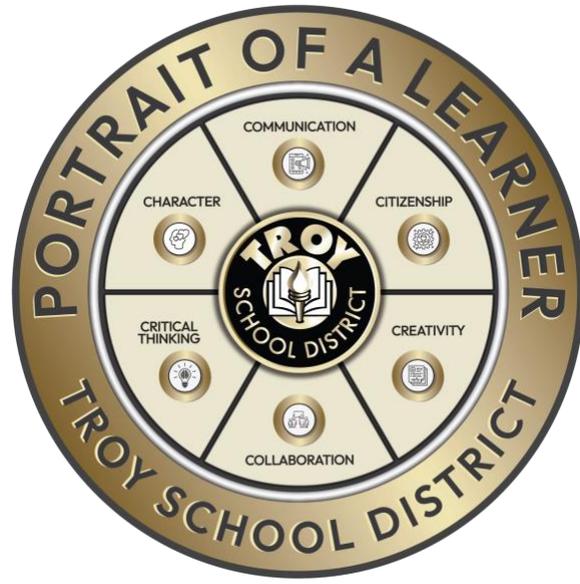
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Introduction

Welcome to the Troy School District's Career and Technical Education (CTE) Program guide! In today's rapidly evolving world, preparing students for success requires more than traditional academics—it calls for a dynamic approach that bridges classroom learning with real-world applications. Our Career and Technical Education programs are designed to do just that: equip students with the skills, knowledge, and experiences they need to thrive in the workforce or continue their education after graduation.



CTE is a cornerstone of the Troy School District's broader Career Readiness Program, which is dedicated to empowering students to explore their interests, develop in-demand skills, and chart a meaningful path for their futures. By integrating career exploration, hands-on learning, and collaboration with local industries, our programs provide students with a unique opportunity to connect their education to their aspirations.

Whether students are considering a career in education, information technology, manufacturing, engineering, business, or hospitality, our CTE offerings provide a wide range of pathways tailored to diverse interests and goals. These programs not only prepare students for immediate employment or post-secondary education but also foster essential skills such as critical thinking, problem-solving, teamwork, and adaptability—qualities that are vital in any career.

Through this guide, we invite you to explore the exciting opportunities available in our CTE programs. From engaging coursework to industry partnerships and certifications, our programs are designed to inspire and prepare students for their next steps. Together, let's empower every student to build a future full of promise and possibility.

Who Should Enroll?

CTE courses are for **all students** who want to explore interests, gain skills, and prepare for their future—that including college and career. TSD offers over 12 programs housed within our comprehensive high schools!

Who Benefits from Taking CTE Courses?

- **8 Career Explorers:** Discover potential career paths through hands-on experiences.
 - **College-Bound Students:** Earn college credits and industry certifications to get a head start.
 - **Workforce-Ready Students:** Gain the technical skills and credentials for high-demand jobs.
 - **Hands-On Learners:** Learn by doing in real-world, project-based settings.
 - **Leadership Seekers:** Develop teamwork, communication, and problem-solving skills.
- CTE empowers students with practical knowledge, career insights, and the tools to succeed.

CTE Pathway Chart

PATHWAY	LEADERSHIP OPPORTUNITIES	CREDENTIALS OFFERED	GRADE LEVEL
Business (BAMO)	DECA or BPA	Certiport Entrepreneurship and Small Business or Communication Skills for Business	9-12
Finance/Accounting	DECA or BPA	Certiport Intuit QuickBooks Certified User or MOS Specialist	9-12
Marketing	DECA or BPA	Certiport Communication Skills for Business	9-12
Computer Programming	Embedded opportunities throughout the school year	AP Computer Science A Java	9-12
Cybersecurity	Embedded opportunities throughout the school year	IT Fundamentals Pro	9-12
Education	Embedded opportunities throughout the school year	Child Development Associate (CDA)	9-12
Architecture	MITES	Autodesk Certified or SACA	9-12
Mechanical Drafting (Woodworking)	MITES	Autodesk Inventor or SACA	9-12
Mechatronics and Engineering	Embedded during class structure or Robotics	SACA	9-12
Automotive Technology	Embedded opportunities throughout the school year	Michigan Mechanics Test	9-12
Culinary Arts	Embedded opportunities throughout the school year	ServSafe Handler, ServSafe Manager, and Pro-Start Certificate of Achievement	9-12
Radio & Broadcasting Technology	Embedded opportunities throughout the school year	TBD	11-12

For Chart pathways: Refer to course description guide for more information including course summary, course number and source sequencing.

Frequently Asked Questions

Q: What CTE programs does TSD offer within their comprehensive high schools (Troy High School and Athens High School)?

A: TSD provides a diverse range of Career and Technical Education (CTE) pathways, including Engineering, Culinary Arts, Marketing, Business, Automotive Technology and more. Please refer to the course description book for more information.

Q: How do students enroll in a CTE course or program?

A: Students can sign up to take CTE courses during regular scheduling time. If students have questions, they may reach out to their counselor at any time for assistance and more information.

Q: Who should take CTE courses or complete a CTE program?

A: CTE programs benefit all students, whether they plan to enter the workforce directly, attend a trade school, or pursue a four-year college degree.

Q: Can students earn college credit in CTE programs?

A: Yes, many CTE programs have articulation agreements with colleges, allowing students to earn college credits while in high school. For more information, please speak to the CTE program instructor.

Q: What is the difference between signing up for an elective and completing a CTE Program?

A: TSD understands that we have a range of students from knowing exactly what they want to pursue after graduation and those that are still seeking their passion and “next steps”. This is why CTE is for ALL students. If a student is unsure of whether they would like to complete a whole program, they can “dabble” by trying out a course. If they find they are passionate and interested in continuing, they can continue taking courses within that pathway which will lead to becoming a completer. If a student knows that they want to go to college for engineering, they should plan to take the Engineering (Mechatronics) program which shows admissions they are passionate, determined and have experienced the leadership opportunities that comes from completing a CTE program.

Q: I keep seeing the word “completer”. What exactly does that mean?

A: A completer is a student that takes all courses of a program covering all competencies identified by the state of Michigan. The benefits of being a completer is that you can earn business and industry recognized credentials, expanded leadership opportunities and a focus on employability skills.

Q: Which MMC Credit requirements may be replaced with a CTE program WITHOUT a personal curriculum?

A: CTE program completers may replace the following credits without a personal curriculum:

- a. 1 credit World Language
- b. 1 credit Science

Q: Which CTE courses count as a senior related math credit?

A: The following courses can be taken as a senior related math credit:

- a. Financial Accounting 1 and 2
- b. Architectural Drawing 1 and 2
- c. Automotive Technology 1-4
- d. Commercial Baking, Commercial Foods and Restaurant Operations/Terrace Café
- e. Building Wealth and Investments (formerly Financial Management)
- f. Marketing 1, Advanced Marketing, Marketing Research Capstone, School Based Enterprise
- g. Engineering & Adv Manufacturing
- h. Engineering & Digital Manufacturing Systems
- i. Woodworking 1 and 2

