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## CTE | Why CTE in MPS

- Embed regular and explicit career exploration opportunities for all students in grades PreK-12, in alignment with Minnesota's World's Best Workforce legislation and regional workforce needs.
- Create an educational environment that acknowledges and encourages access to multiple pathways to successful career; certifications, apprenticeships, two year degrees from community and technical colleges and four year degrees or direct into employment.
- Equitable access to all specialized CTE pathways regardless of race, economic status, circumstance, or ZIP code.

## CAREER & TECHNICAL EDUCATION



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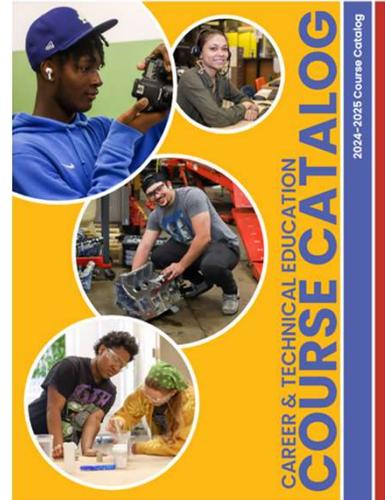
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## CTE | Coursetaking Options

**16 different CTE Pathways**

**Over 65 Classes**

**3 different learning models**

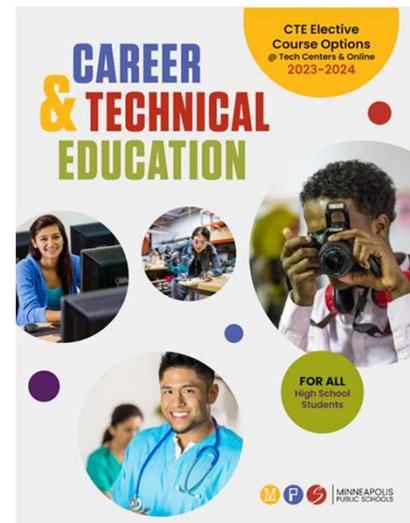


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## CTE | Career Pathways

- Agriculture
- Automotive - Collision
- Automotive - Engine Repair
- Business
- Computer Programming
- Cybersecurity
- Construction
- Education
- Engineering
- Healthcare - Patient Care
- Healthcare - Emergency Medical Responder
- Law & Public Safety
- Machine Technology
- Media Arts
- Robotics & Drone Technology
- Welding



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# Career Conversation Starters

Salary Range - Education Requirements - Course Options - Course Descriptions



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# CTE | CTE Tech Centers - Pathways

## Edison Tech Center

- Business
- Law & Public Safety
- Agriculture

## North Tech Center

- Computer Programming
- Cybersecurity
- Healthcare - Emergency Medical Responder
- Education
- Engineering
- Media Arts
- Robotics & Drone Technology

## Roosevelt Tech Center

- Automotive - Collision
- Automotive - Engine Repair
- Construction
- Healthcare - Patient Care
- Machine Technology
- Welding



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## CTE | Learning Models

### In-person at one of three CTE Tech Centers

- Courses are offered in 2-hour blocks; A.M. and P.M.
- CTE Tech Centers are co-located at North, Edison, and Roosevelt High School.
- Free transportation to and from their classes at the Tech Center

### Asynchronously Online

- Courses are available at every high school any period of the day.
- No transportation required.
- Fits conveniently into a students schedule

### In-person at Student's School

- In 2023-2024 each high school will also have the ability to offer work-based learning classes at their location. These courses include: Investigating Careers, Career Planning & Development, and Career Work Experience.

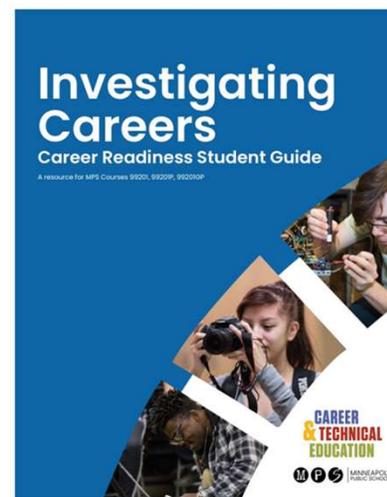


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## CTE | Career Exploration

Students also explore careers through our Work-based Learning courses.

- Investigating Careers
- Career Planning & Development
- Personal & Professional Skills
- Career Work Experience/Internships



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## CTE | Benefits of CTE Tech Center Model

- Improved graduation rates for most at-risk youth
- Maximizes resources (i.e. financial, staff, material, equipment) and leverages community relationships by creating agile learning centers easily adapted to changing enrollment trends, student interest, workforce needs, and community support
- Incorporate graduation requirements of fine arts, math, science and/or language arts into CTE pathways to maximize student experience and replicate real-world application of how foundational academic skills are applied in multi-disciplinary project-based learning.



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## CTE | Benefits of CTE Tech Center Model, cont'd

- Opportunity to be immersed in professional studies related to personal career interests, preparing them for career success in ever-evolving high tech, high skill, local/global economies.
- Equitable access to all MPS Career Pathway programs via city-wide enrollment options.



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## CTE | Pathway Example – Healthcare

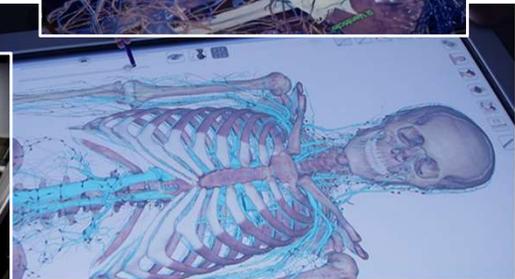
### ■ Multiple Onramps to Healthcare Careers

- Patient Care
- Emergency Medicine
- General Practice

### ■ Major investments in unique, industry grade equipment



Simulated Ambulance



3D Virtual Dissection Table



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## CTE | Pathway Example – Cybersecurity

### Palo Alto Networks Certified Cybersecurity Entry-level Technician (PCCET)

- Provides certification in foundational knowledge of industry-recognized cybersecurity and network security concepts as well as various cutting-edge advancements across all Palo Alto Networks technologies.
- Aligned with industry standards following the NIST / NICE (National Institute of Standards and Technology / National Initiative for Cybersecurity Education) workforce framework.
- Students leave our program certified and ready for employment.



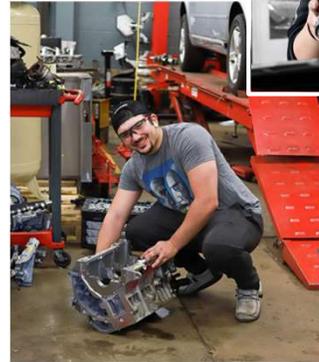
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## CTE | Pathway Example – Automotive

### National Institute for Automotive Service Excellence (ASE) Entry-Level Certifications

- First step in building career credentials as an automotive service professional
- Aligned to an industry-recognized credential that indicates student's workforce readiness
- Collision Repair pathway
- Maintenance Light Repair pathway
- High School Internships for entry-level positions available with local industry partners for students 18 years or older



**AUTOMOTIVE  
SERVICE  
EXCELLENCE**



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# Questions?

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**Career & Technical Education, Principal**

Cell: 612-408-1345



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## CTE | Statistics

**3,486 students**

**1,720 Male / 1,766 Female**

53.5% Economic Disadvantaged  
 41.6% Black  
 27.9% White  
 20.8% Special Education  
 17.8% English Learners  
 16.9% Hispanic  
 4.6% Multi-race  
 3.9% American Indian

2022-2023

**Diverse Enrollment**

**17.9% higher**

**on-time graduation rate**  
 for CTE students of color  
 compared to the MPS district-  
 wide graduation rate

Special Ed - 10.5% higher  
 Homeless & Highly Mobile - 7.7% higher

**Graduation Rates**

for students of color who took 1.0 credits of CTE courses

Based on 2022 MDE/MPS data



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## CTE | 2021-2022 Graduation Rate Reference Data

	2021-2022 District-wide 4-year Grad Rate	2021-2022 CTE Concentrator 4-year Grad Rate	
Overall	76.70%	87.07%	<b>10.40%</b>
American Indian or Alaska Native	50.40%	86.36%	<b>36.00%</b>
Black or African American	72.20%	86.71%	<b>14.50%</b>
Asian	86.60%	95.05%	<b>8.60%</b>
Native Hawaiian or Other Pacific Islander	N/A	N/A	N/A
White	91.60%	92.08%	<b>0.50%</b>
Hispanic	61%	73.55%	<b>12.50%</b>
Special Ed Services	52.10%	62.61%	<b>10.50%</b>
Homeless and Highly Mobile	50.60%	58.33%	<b>7.70%</b>

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# How we promote CTE to our students & families

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## CTE | Interest-based Course Finder Tool

**Based on Holland Theory of Career Choice (RIASEC), the CTE Course Finder Tool will assist students as they self-identify their career interests and values aligned to course options available in MPS.**



*"...in choosing a career, people prefer jobs where they can be around others who are like them. They search for environments that will let them use their skills and abilities, and express their attitudes and values, while taking on enjoyable problems and roles."*



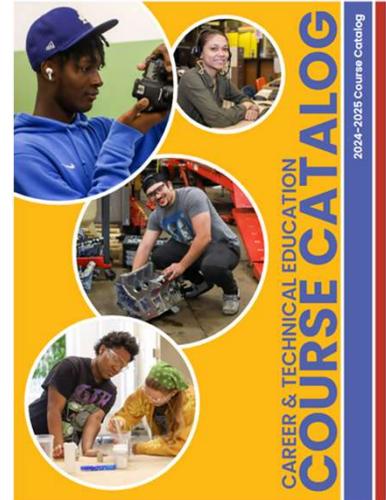
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# CTE | 2024-2025 Course Catalog\*

The following information about each course offering is included in the web-based course catalog and the CTE Course Finder Tool:

- CTE career pathway and course options
- Course descriptions
- Prerequisites
- College Credit Eligibility
- MPS graduation requirement alignment
- Course delivery model and location (in-person or online)
- How to register for courses

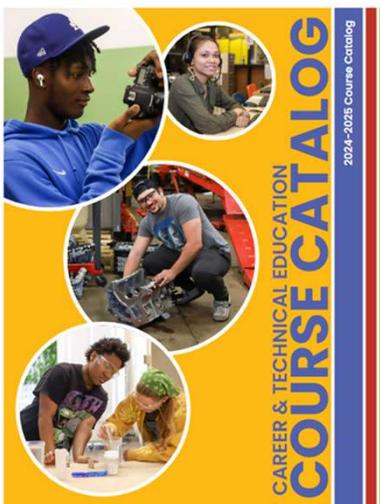
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\*Information available in English, Hmong, Pashto, Somali & Spanish

[cte.mpls.k12.mn.us](http://cte.mpls.k12.mn.us)

# CTE | Additional Promotional Resources



Pathful explore

**CAREER & TECHNICAL EDUCATION**

**REGISTER TODAY!**

Roundtrip transportation now available from your high school

Email us at [cteinfo@mpls.k12.mn.us](mailto:cteinfo@mpls.k12.mn.us) to get registered

I would like to enroll in these CTE Courses

Student Name:	Student ID:	Phone:
Parent/Guardian Signature:		
<p>1. Review 2024-2025 catalog of this card to identify which are relevant to your CTE course(s) you wish to enroll in and add your choice(s) to the list at the top.</p> <p>2. Get your parent/guardian's (G.P.) signature on the bottom.</p> <p>3. Scan this form to add your other course choice registration materials.</p>		
Course Name	Registration Status	Registration Fee
AGRICULTURE - 1000	Registration Status	Registration Fee
AGRICULTURE - 1001	Registration Status	Registration Fee
AGRICULTURE - 1002	Registration Status	Registration Fee
AGRICULTURE - 1003	Registration Status	Registration Fee
AGRICULTURE - 1004	Registration Status	Registration Fee
AGRICULTURE - 1005	Registration Status	Registration Fee
AGRICULTURE - 1006	Registration Status	Registration Fee
AGRICULTURE - 1007	Registration Status	Registration Fee
AGRICULTURE - 1008	Registration Status	Registration Fee
AGRICULTURE - 1009	Registration Status	Registration Fee
AGRICULTURE - 1010	Registration Status	Registration Fee
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AGRICULTURE - 1097	Registration Status	Registration Fee
AGRICULTURE - 1098	Registration Status	Registration Fee
AGRICULTURE - 1099	Registration Status	Registration Fee
AGRICULTURE - 1100	Registration Status	Registration Fee

Learn about CTE courses and career pathways that best match your personality, interests and strengths.

**Take the Quiz**

**CAREER & TECHNICAL EDUCATION**

**CAREER & TECHNICAL EDUCATION**

**ROOSEVELT HIGH SCHOOL**

**CAREER EXPLORATION DAY**

Spend the day exploring career pathways through hands-on activities and presentations.

Thursday, December 7th, 10:00 a.m. - 1:00 p.m.

12th Northside at Northrup - Minneapolis, MN

Free admission. Registration is required.

**REGISTRATION - JAMES BROWN**

Students will receive a registration slip for various activities or presentations. Activities will only be available to students.

**CAREER & TECHNICAL EDUCATION**

**IB Career-related Programme**

Locally prepared. Globally minded.

**Enroll today!**

Complete the IBCTP enrollment at your high school or email [cteinfo@mpls.k12.mn.us](mailto:cteinfo@mpls.k12.mn.us)

The IB Career-related Programme (IBCTP) is a collection of rigorous college-level Career and Technical Education courses and IB Diploma Programme courses.

This program provides students the opportunity to develop advanced, specialized skills, acquire practical credentials, and benefit their education as they prepare for high tech, high wage, in-demand careers.

**Choose from 15 Career Pathways**

- Agriculture
- Automotive Technology
- Construction
- Culinary Arts
- Early Childhood Education
- Health Services
- Information Technology
- Manufacturing
- Marketing
- Computer Science
- Education
- Engineering
- Fashion Design
- Health & Public Safety
- Hospitality & Tourism
- Media Arts
- Robotics & Future Technology
- Welding
- Art and other opportunities align with local colleges and staff community partners based on student interest.

In addition to taking 15 credits of CTE coursework related to a career of interest, IBCTP students must complete two additional courses during 10th & 11th grade to earn their IBCTP certificate:

- Career and Life Planning
- IBCTP Career Learning Programme courses
- A knowledge manager or CTE course, IBCTP Research & Professional Skills (see page 4)

Learn more [www.mpls.k12.mn.us/cte](http://www.mpls.k12.mn.us/cte)

