

Michigan Career and Technical Education Facts 2023-2024

Michigan's CTE Vision: To provide learners with access to equitable, high-quality secondary and postsecondary CTE programs aligned to rigorous academic and technical standards, and career ready practices.



112,156

students were enrolled in **2,239** secondary Career and Technical Education (CTE) programs.



1,794

students were enrolled in **213** CTE Early Middle College (EMC) programs.

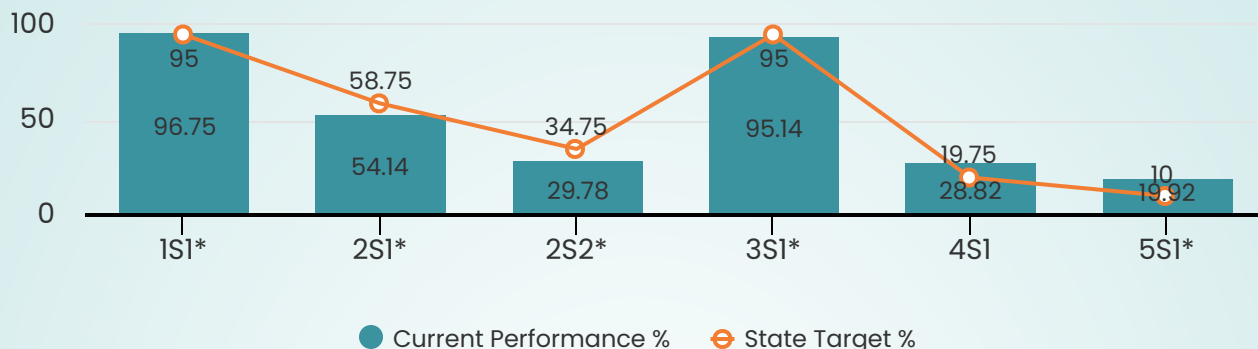


122,062

students participated in Michigan postsecondary institutions in **1,572** CTE programs with credentials earned.

Michigan CTE Achievement 2023-2024

2023-24 Michigan CTE Secondary Core Performance Indicators



1S1: Four-Year Graduation Rate

2S1: Academic Proficiency in Reading/Language Arts

2S2: Academic Proficiency in Mathematics

3S1: Post-program Placement Rate

4S1: Nontraditional Concentration

5S1: Postsecondary Credential Attainment

More detailed information about Perkins V Core Performance Indicators data can be found here:

<http://analytics.cteis.com/Perkins-CPIs-Race-and-Gender/Perkins-V/Performance-Race-and-Gender>

*Note: Some outcome data reported in 2023-24 is from 2022-23, depending on availability.



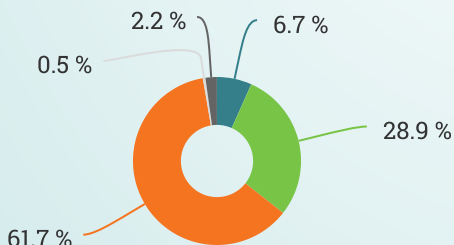
2023-2024 Follow-up of 2022-23 CTE Concentrators

A statewide survey to track CTE students' placement in the 2nd quarter after they exit high school

33,115

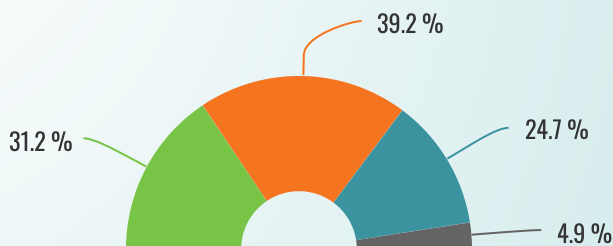
CTE concentrators responded to the follow-up survey (response rate 87.3%). Total placement rate was

95.1%



Enrollment in Postsecondary Education N=23,302

● Business/Trade/Career Center ● Community College
● College/University ● Military ● Other



Education and Employment Status N=33,115

● BOTH Continuing Education and Employed
● Continuing Education but NOT Employed
● Employed but NOT Continuing Education
● NOT Continuing Education or NOT Employed

77.5%

of CTE concentrators surveyed reported that they were using the skills learned in their CTE programs for continuing education or in their current job.

Michigan CTE Achievement 2023-2024

Credentials of Value



12,585

CTE students earned approved recognized postsecondary credentials during 2023-24.

“Recognized postsecondary credentials” for Perkins V reporting are identified through a rigorous process implemented by collaborative consortia of secondary and postsecondary Perkins eligible recipients and employers.

[New Credential Selection Process \(for Schools\)](#)

[New Credential Selection Process \(Vendor/Employer\)](#)

558

CTE students earned postsecondary awards.

21,345

CTE students earned supplemental credentials.

96.75%



Four-year graduation rate during 2022-23 for students who are CTE concentrators.

Compared to Michigan's statewide four-year graduation rate during 2022-23 of

81.77%

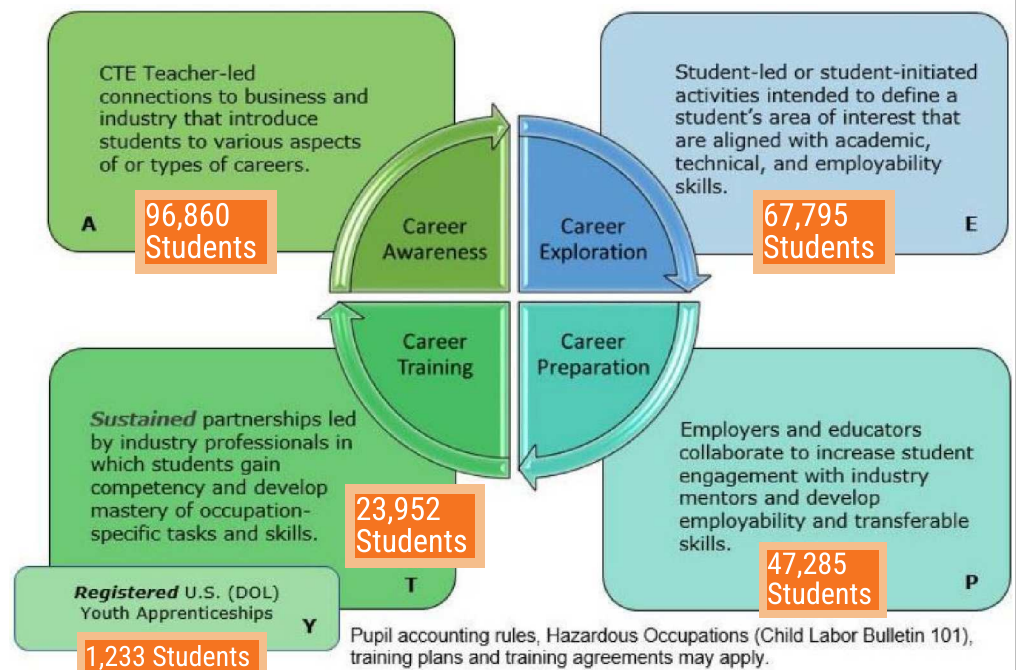


2,120

secondary CTE instructors facilitated learning for Michigan high school students during 2023-24.

Work-Based Learning (WBL) in Michigan

105,210 students had at least one Work-Based Learning experience in a CTE program during 2023-24 school year.

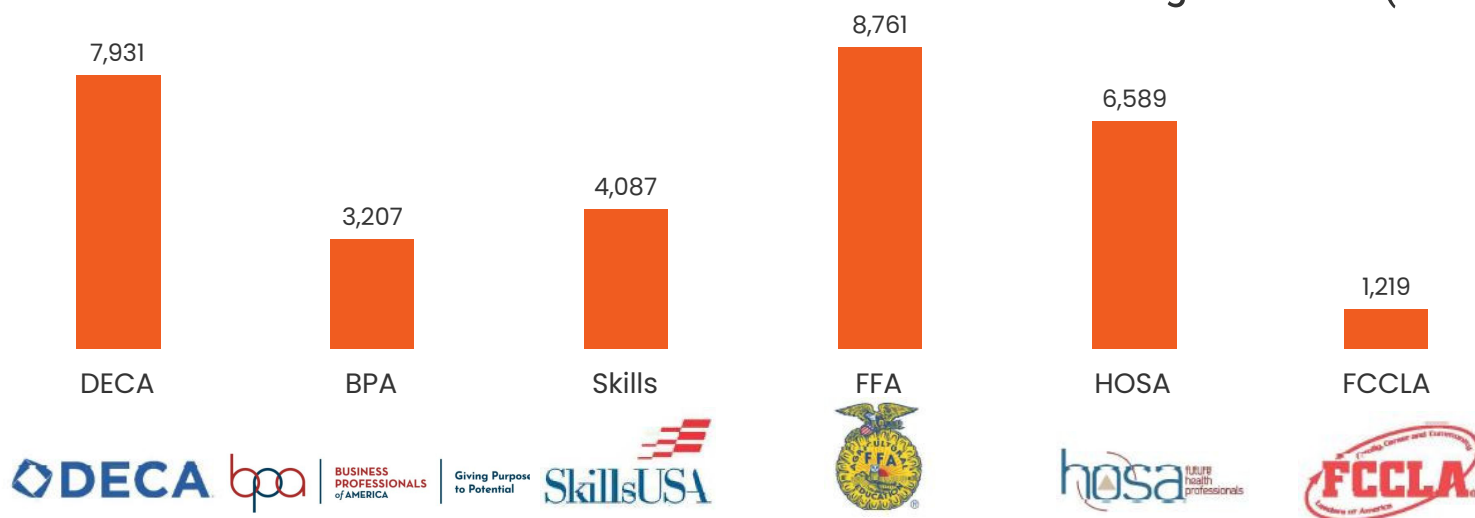


Michigan CTE Achievement 2023-2024



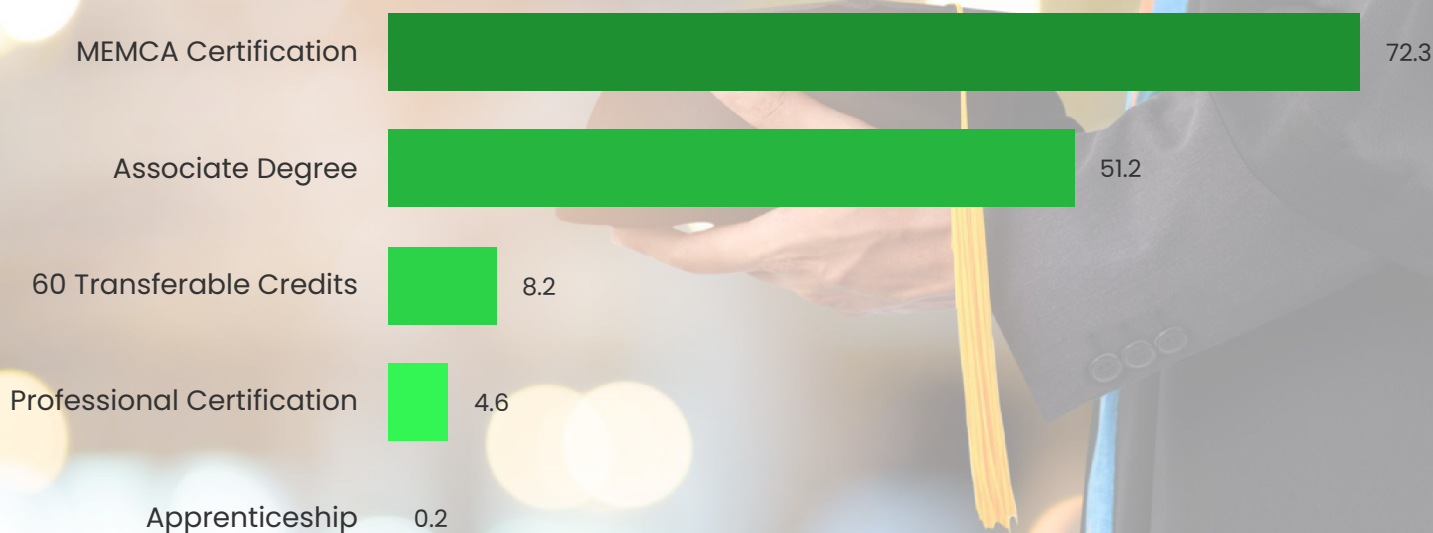
31,794

students are members of a Career and Technical Student Organization (CTSO)



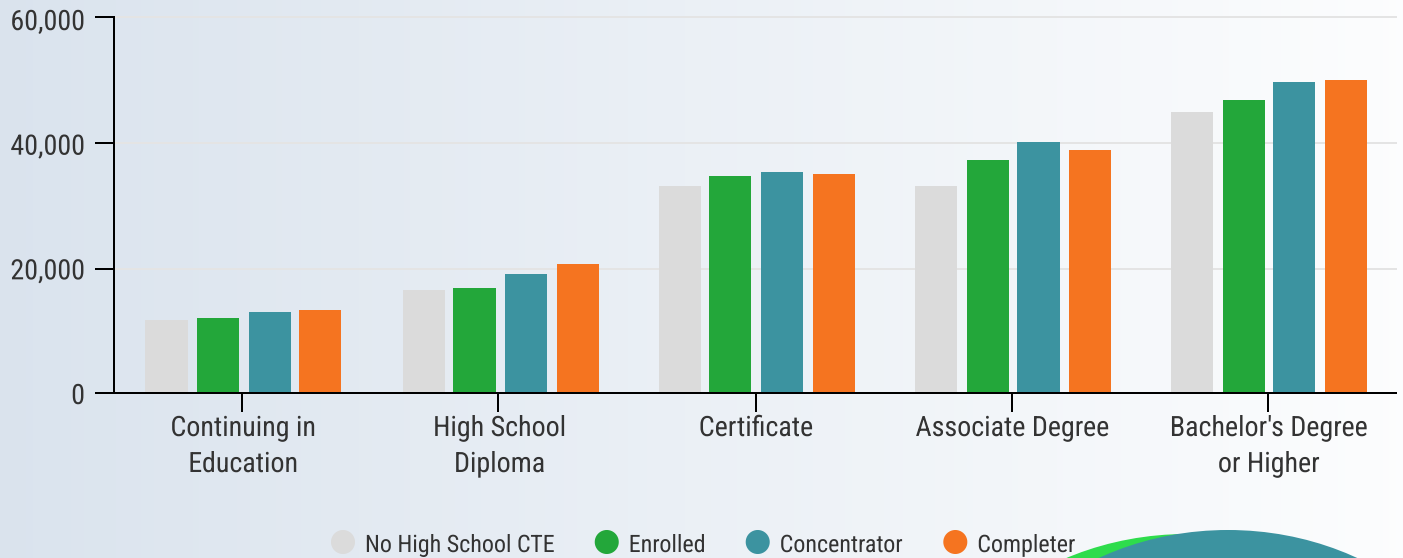
CTE Early Middle College (EMC) Outcomes

Percentage of students who graduated with a diploma and one of these EMC outcomes during 2022-23



Michigan CTE Achievement 2023-2024*

The Median Annual Wages by Educational Attainment and High School CTE Status



The Median Annual Wages by Educational Attainment and High School CTE Status report is available in MISchool Data Dashboard here:

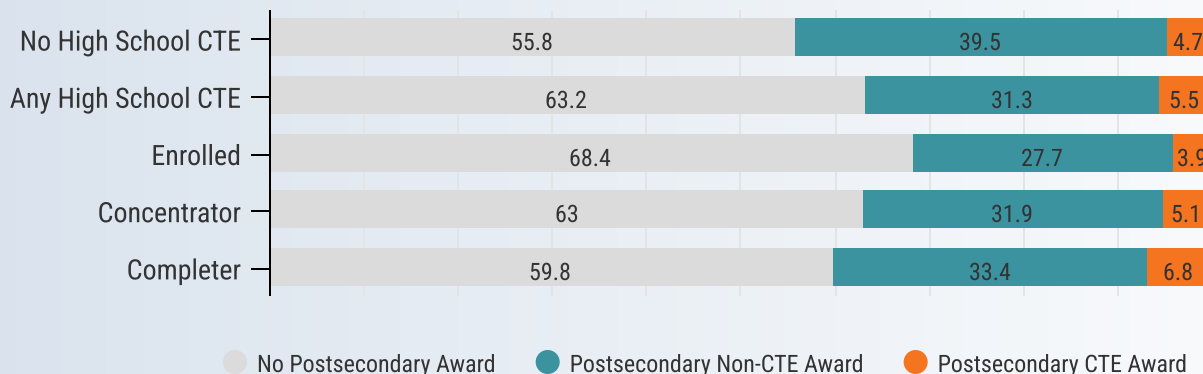
<https://www.mischooldata.org/median-annual-wages-by-educational-attainment-and-high-school-cte-status2/>

The Postsecondary CTE Awards by High School CTE Status Report is available in MISchool Data Dashboard here: <https://www.mischooldata.org/postsecondary-cte-awards-by-high-school-cte-status/>

*Data base on 2016-17 high school graduating class

CTE Concentrators and Completers achieve a **higher** median annual income compared to non-CTE students within each level of education & earn **more** Postsecondary CTE Awards

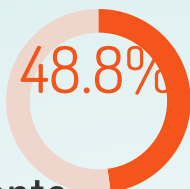
Percentage of Postsecondary CTE Awards by High School CTE Status



Michigan Secondary CTE Special Population Students 2023-2024

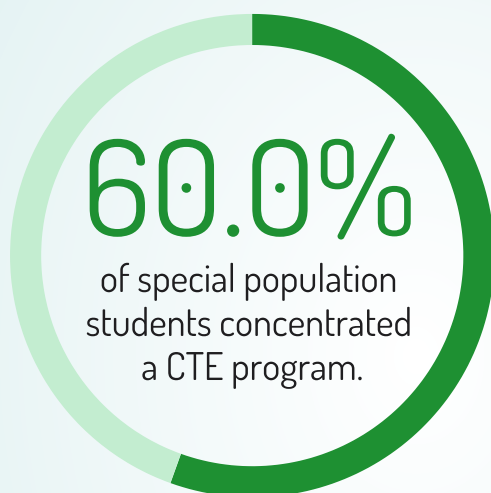
54,752

special populations students
were enrolled in a CTE program
(48.8% of all CTE students).



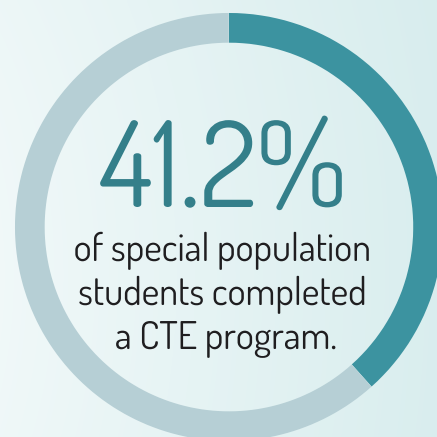
60.0%

of special population
students concentrated
a CTE program.



41.2%

of special population
students completed
a CTE program.



Special Population Category	Enrollment (Duplicated Count)	Concentrator (Duplicated Count)	Completer (Duplicated Count)
Individuals from Economically Disadvantaged Families	48,192	28,823	19,839
Individuals With Disabilities	11,613	6,454	4,203
English Learners	5,386	2,904	1,938
Single Parents	465	279	161
Homeless Individuals	1,611	875	544
Migrant Students	49	27	19
Individuals Preparing for Non-traditional Fields	22,555	14,951	10,713
Youth with Parent in Active Military	504	324	231

Michigan Secondary Career and Technical Education Enrollment 2023-2024

Career Clusters	Number of Programs	Enrollment (Unduplicated)	Concentrators (Unduplicated)	Completers (Unduplicated)
Agriculture, Food & Natural Resources	132	8,732	4,826	2,910
Architecture & Construction	189	8,592	5,956	4,155
Arts, Audio/Video Technology & Communications	126	6,476	4,108	3,129
Business, Management & Administration	170	11,002	5,311	4,048
Education & Training	113	3,543	2,617	1,701
Finance	162	5,579	2,949	2,332
Government & Public Administration	8	845	345	197
Health Science	160	11,655	9,601	8,552
Hospitality & Tourism	90	5,931	3,941	2,763
Human Services	30	1,227	1,052	326
Information Technology	269	9,798	6,406	5,271
Law, Public Safety, Corrections & Security	64	2,169	1,739	1,348
Manufacturing	184	6,709	5,178	3,284
Marketing, Sales & Service	181	15,202	9,971	7,307
Science, Technology, Engineering & Mathematics	163	5,919	3,760	2,646
Transportation, Distribution & Logistics	193	8,661	6,004	2,574
Energy	5	116	82	82



65.8%

of CTE students concentrated in a CTE program.

A concentrator is a student who has successfully completed two or more courses in a CTE program.



46.9%

of CTE students completed a CTE program.

A completer is a student who has successfully completed all standards in a CTE program.



Michigan CTE Early Middle College Enrollment 2023-2024

Career Clusters	Number of Programs	Enrollment	Concentrators	Completers
Agriculture, Food & Natural Resources	5	14	11	10
Architecture & Construction	9	28	22	15
Arts, A/V Technology & Communication	8	49	46	43
Business, Management & Administration	11	92	66	58
Education & Training	14	79	73	53
Finance	13	35	32	29
Health Science	27	522	494	431
Hospitality & Tourism	4	30	25	17
Information Technology	32	307	285	274
Law, Public Safety & Security	11	56	47	40
Manufacturing	28	174	165	102
Marketing, Sales and Service	17	131	118	111
Science, Technology, Engineering & Mathematics	19	214	175	118
Transportation, Distribution & Logistics	15	63	57	34



90.1%

of CTE EMC students concentrated in a CTE program.



74.4%



of CTE EMC students completed a CTE program.

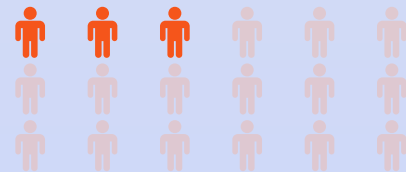
Michigan Postsecondary Career and Technical Education Enrollment 2023-2024

Career Cluster	Number of Programs with Credentials Earned	Postsecondary Concentrators	Credentials Conferred	Exiters
Agriculture, Food & Natural Resources	38	798	131	301
Architecture & Construction	101	3,899	714	1,756
Arts, Audio/Video Technology & Communications	41	1,850	234	706
Business Management & Administration	180	13,255	2,224	5,890
Education & Training	35	1,516	270	661
Finance	46	2,654	411	1,226
Government & Public Administration	2	78	7	20
Health Science	281	20,842	5,449	11,340
Hospitality & Tourism	35	1,237	221	414
Human Services	51	3,209	443	1,305
Information Technology	280	6,948	961	2,559
Law, Public Safety, Corrections & Security	105	4,849	1,119	2,441
Manufacturing	233	5,496	1,323	2,926
Marketing	25	711	120	355
Science, Technology, Engineering & Mathematics	54	2,164	301	727
Transportation, Distribution & Logistics	65	2,267	585	989



58.8%

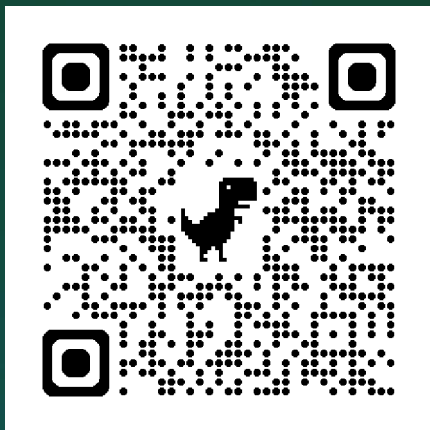
of students concentrated in a postsecondary CTE program.



11.9%

of students have credentials conferred in a postsecondary CTE program.

For more info, visit
www.michigan.gov/mde/services/octe



Michigan Career and Technical Education Facts Brochure

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