



# 2023-24 Miramar College CTE DSPS Summary

March 12, 2024

## Context

Below is a summary of related Fall 2023 CTE and DSPS data for the San Diego Miramar College from the SDCCD Office of Institutional Effectiveness and Research's [2023-2024 DSPS Dashboard](#). Data was extracted from SDCCD's Institutional Research Datamart on 03/11/2023.

This summary is intended for CTE professionals interested in **a base profile for SDCCD's CTE DSPS student population**. It is meant to help the exploration of interventions and collaboration with the DSPS department, especially those that are relevant to students' primary disability and other intersecting identities (age, gender, ethnicity). The volume of individuals receiving services is shown.

Certain commonalities and differences are presented so CTE and DSPS professionals can leverage overarching efforts as well as **identify opportunities for individualized CTE program services at the primary disability level**. Additional terms and filtering options are available on the [online dashboard](#) so further examination can be done for specific populations (e.g. Female CTE students receiving DSPS services for Mental Health disability). Due to the nature that CTE student interest and wrap-around services vary greatly by DSPS primary disability, further exploration of each population via the dashboard is recommended. The summary is centered around CTE DSPS students but includes comparisons to the overall DSPS student population and the overall CTE student population.

Three categories are used:

CTE DSPS students – enrolled in at least **one CTE-related course** at Miramar College **and received DSPS services** that term.

All DSPS students – enrolled in at least **one course** at Miramar College **and received DSPS services** that term.

All CTE students – enrolled in at least **one CTE-related course** at Miramar College.

The summary is organized into four tables:

**Table 1:** Compares CTE DSPS students to All DSPS students. It shows ways the CTE DSPS student population may differ in **primary disability or ethnicity** to the overall DSPS student population.

**Table 2:** Compares CTE DSPS students to All CTE students. It shows how the CTE DSPS student population may differ in **demographics, academic profile, enrollments, and outcomes** to the overall CTE student population.

**Table 3:** Provides the top 5 CTE subjects enrolled by CTE DSPS students and All CTE students.

**Table 4:** Provides the most enrolled CTE subject by CTE DSPS students for each primary disability. It also shows what percent that subject was of all CTE enrollments for that primary disability.

**Graph 1:** Provides All DSPS and CTE DSPS student headcount. Percent change to Fall 2019 and prior Fall term data. Provides percent CTE DSPS of All DSPS student population.

**Table 1 Key Findings:**

- 36% of DSPS students are enrolled in CTE-related coursework.
- There is a similar number of CTE students receiving DSPS services as the general student population (3%-5%).
- CTE DSPS students' largest primary disability is Learning Disability (25%) followed by Mental Health Disability (22%).
- CTE DSPS has a higher African American (+3%) representation than the DSPS student population.

*Table 1. Overall CTE DSPS and DSPS Student Population*

DSPS Student Populations				
Metric	Observation		CTE DSPS Students	All DSPS Students
DSPS Headcount	<b>36%</b> of DSPS students are enrolled in CTE-related coursework.	Fall 2023:	220	608
Percent receive DSPS services of Respective Student Population	<b>Similar rates</b> of students receiving DSPS services.	Fall 2023:	3% of CTE students	5% of All students
Percent of DSPS students by Primary Disability	The largest primary disability is Learning Disability in the CTE DSPS student population. <b>This differs with all DSPS populations</b> where most students reported Mental Health Disability (27%) as their primary disability.	Acquired Brain Injury: ADHD: Autism: Deaf and Hard Hearing: Intellectual Disability: Learning Disability: Mental Health Disability: Mobility Impaired: Visually Impaired: Other: Multiple Prime Disabilities:	3% 18% 16% 2% 2% <b>25%</b> 22% 2% 0% 9% 1%	3% 22% 14% 2% 1% 18% <b>27%</b> 2% 0% 10% 1%
Percent of DSPS students by Ethnicity	CTE DSPS has a <b>greater African American (+3%) representation</b> than the overall DSPS student population.	African American: Asian: Filipino: Latinx: Multi-Ethnicity: White:	9% 8% 4% 35% 9% 32%	6% 9% 4% 35% 10% 34%

**Table 2 Key Findings:**

- The proportion of female representation is bigger in CTE DSPS students (52%) than in CTE students (40%).
- CTE DSPS student population has more African American (+4%) and less Asian (-4%) compared to the overall CTE student population.
- CTE DSPS population is very concentrated between the 18-24 age group. There is little representation of those under 18.
- Half of CTE DSPS students are degree seekers and 22% attempted full academic loads (12+ units).
- CTE DSPS had a higher percentage of CTE enrollments go past census, 71% v 66%.
- CTE DSPS students had the same completion rate (92%) but lower success rates (-2%) than the non-DSPS CTE students, and CTE DSPS student GPA was similar (-.03). However, outcomes vary greatly by primary disability, please observe in the dashboard.

*Table 2. CTE DSPS and all CTE student population – Demographics, Enrollment Patterns and Outcomes*

CTE Student Populations				
Metric	Observation		CTE DSPS Students	All CTE Students
Gender (% Female)	CTE DSPS has <b>more female representation</b> than the overall CTE student population (+12%).	Fall 2023:	<b>52%</b>	<b>40%</b>
Percent of CTE students by Ethnicity (Fall 2023)	CTE DSPS student population has <b>more African American (+4%) and less Asian (-4%)</b> compared to the overall CTE student population.	African American: Asian: Filipino: Latinx: Multi-Ethnicity: White:	<b>9%</b> <b>8%</b> 4% 35% 9% 32%	<b>5%</b> <b>12%</b> 5% 33% 8% 35%
Age Group of CTE students (Fall 2023)	Half of CTE DSPS students are 18-24 and <b>have less representation of nearly every other age group than the overall CTE student population, especially under 18 individuals.</b>	Under 18: 18-24: 25-29: 30-34: 35-39: 40-49: 50 and Older:	<b>3%</b> <b>56%</b> 13% 8% 6% 11% 3%	<b>9%</b> <b>38%</b> 15% 10% 9% 11% 7%
Previous Education of CTE students (Fall 2023)	CTE DSPS students <b>have fewer bachelor's degrees</b> (4% vs. 19%).	High School Associate Degree Bachelor's or Higher:	70% 5% <b>4%</b>	54% 7% <b>19%</b>

Table 2 cont. CTE DSPTS and all CTE student population – Demographics, Enrollment Patterns and Outcomes

CTE Student Populations				
Metric	Observation		CTE DSPTS Students	All CTE Students
Education Goal (Fall 2023)	50% of CTE DSPTS students <b>are seeking a degree</b> , compared to 40% in the overall CTE student population.	Associates (no Transfer): Bachelor's Degree: Career Prep/Vocational: Undecided/Unreported:	<b>11%</b> <b>40%</b> 17% 21%	<b>7%</b> <b>33%</b> 17% 20%
Percent Attempt 12 or more Units	More CTE DSPTS students <b>attempted a full course load</b> (+4%).	Fall 2023:	<b>22%</b>	<b>18%</b>
Earned Similar Units Attempted (Fall 2023)	CTE DSPTS students earning units attempted at Miramar <b>are highest when it is less than 6 units</b> .	3-5.9 Units: 6-8.9 Units: 9-11.9 Units: 12+ Units:	<b>78%</b> 60% 64% 53%	75% 69% 63% 67%
Number of CTE Enrollments (Past Census)	CTE DSPTS students <b>are 4% of CTE enrollments</b> past census.	Fall 2023:	568	14,226
Percent of CTE Enrollments that go past census	CTE DSPTS students continue past census <b>at higher rates</b> (+5%).	Fall 2023:	71%	66%
Completion Rate (Average)	Both groups have <b>the same</b> completion rate	Fall 2023:	92%	92%
Success Rate (Average)	CTE DSPTS students have <b>lower success rates</b> (-2%). *	Fall 2023:	76%	78%
GPA (Average)	CTE DSPTS grade point average is <b>higher</b> (+.83). *	Fall 2023:	2.83	2.86

\*Please review outcomes disaggregated by primary disability in the dashboard. Completion: 75%-100%, Success: 42%-100%, GPA: 2.37-4.00.

**Tables 3 & 4 Key Findings:**

- Both CTE DSPS and All CTE students have Child Development, Business, Administration of Justice, Aviation Maintenance Technology, and Fire Protection Technology as their top five most enrolled CTE subjects.
- Top CTE enrollments vary greatly by DSPS primary disability. 16% of Mental Health Disability enrollments were in Child development. Enrollments vary greatly by primary disability, please observe in the dashboard.

*Table 3. CTE DSPS and all CTE student population – Top CTE Subjects Enrolled*

Most Enrolled CTE Subjects				
Observation	Most Popular CTE subjects by CTE DSPS Enrollment	# of CTE DSPS Enrollments	Most Popular CTE subjects by CTE Enrollment	# of CTE Enrollments
The top five most enrolled subjects are the same.	Child Development	52	Administration of Justice	2,488
	Business	43	Business	1,395
	Aviation Maintenance Technology	37	Fire Protection Technology	1,150
	Administration of Justice	27	Child Development	784
	Fire Protection Technology	22	Aviation Maintenance Technology	659

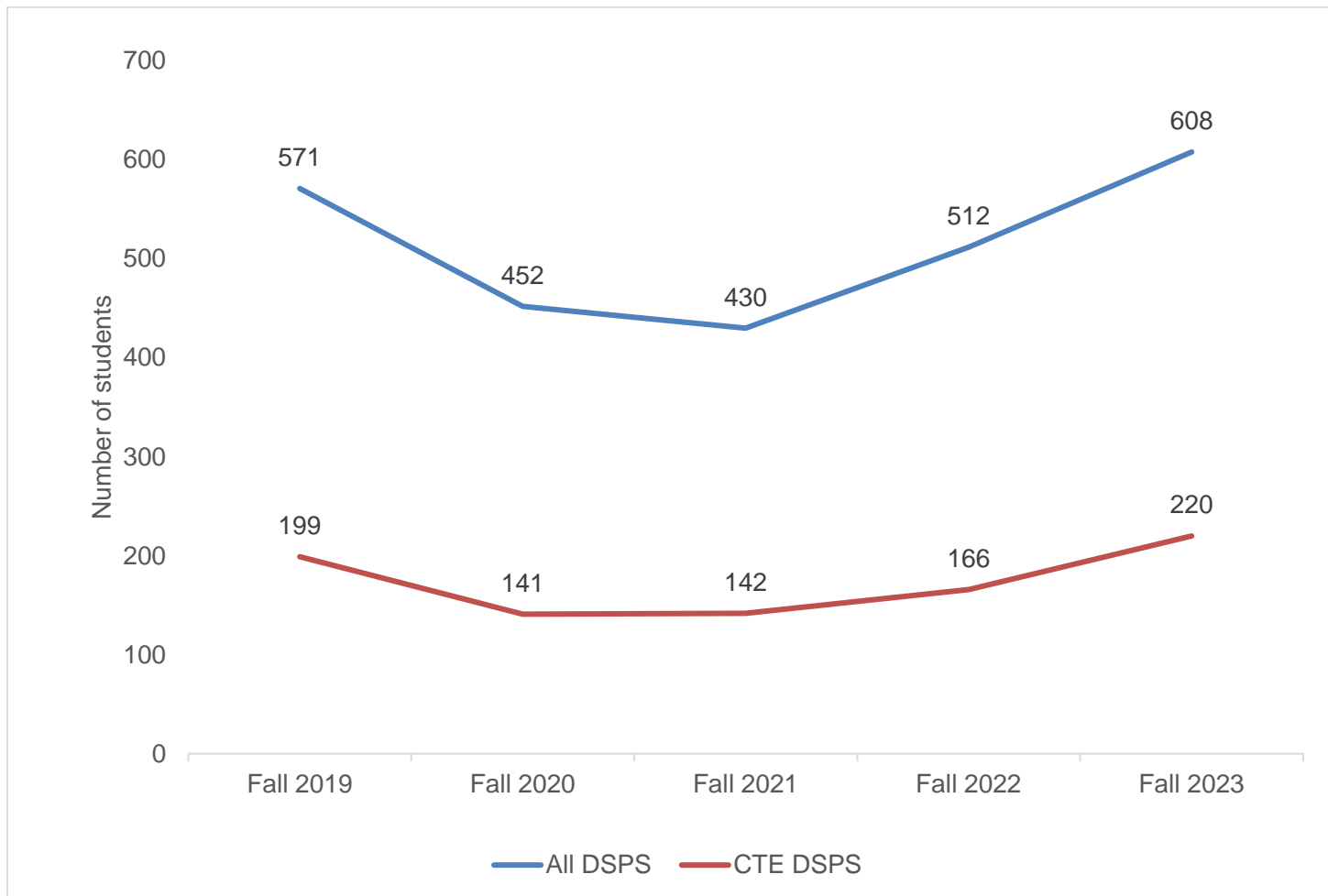
*Table 4. CTE DSPS – Top CTE Subject Enrolled by Primary Disability*

CTE Student Populations			
Observation	Primary Disability and CTE Subject	# of Enrollments by Primary Disability	% of Primary Disabilities' CTE Enrollments
CTE subjects studied by each primary disability student population varies greatly. The dashboard is recommended for further exploration.	Acquired Brain Injury: Aviation Maintenance Technology	7	47%
	ADHD: Diesel Technology	8	13%
	Autism: Computer and Information Science	8	18%
	Deaf and Hard Hearing: Aviation Maintenance Technology	4	36%
	Intellectual Disability: Business	1	25%
	Learning Disability: Aviation Maintenance Technology	18	16%
	Mental Health Disability: Child Development	16	23%
	Mobility Impaired: Aviation M. T. / Business	4	50%
	Visually Impaired: Computer Business Technology	1	100%
	Other: Child Development	7	21%
Multiple Prime Disabilities: Biological Sc. / Child Dev.	1	50%	

### Graph 1 Key Findings:

- In Fall 2023, the percentage of DSPS students increased by 19% from Fall 2022 and it's the highest in the last 5 years.
- In Fall 2023, the number of CTE DSPS students increased 32% from Fall 2022, and it's the highest in the last 5 years.
- The percentage of CTE DSPS students of all DSPS students has been between 31-36%

Fall 2019: 35%;      Fall 2020: 31%;      Fall 2021: 33%;      Fall 2022: 32%      Fall 2023: 36%



## Looking Across the Reports – Fall 2023 compared to [Fall 2022](#)

Table 1 compared with Fall 2022	
Fall 2023 Key Findings	Fall 2022 – Fall 2023 Comparison
36% of DSPS students are enrolled in CTE-related coursework (220/608).	An <b>increase</b> from Fall 2022 (166/512, 33%).
There is a similar proportion of CTE students receiving DSPS as the general student population (3%-5% respectively).	It's a <b>slight increase</b> from Fall 2022 when CTE students receiving DSPS were 3% and DSPS students from the general population were 4%.
CTE DSPS students' largest primary disability is Learning Disability (25%) followed by Mental Health Disability (22%). CTE DSPS students have a slightly higher representation of Learning Disability (↑7%).	In Fall 2022 CTE DSPS students' largest primary disability was Mental Health Disability (25%) followed by Learning Disability (23%). <b>Similar</b> to Fall 2022 but the difference was lower (↑4%).
CTE DSPS has a higher African American (+3%) representation than the DSPS student population. Latinx representation is the same in both groups (35%).	<b>Increased</b> from Fall 2022 (↑1%). <b>No changes</b> from Fall 2022

Table 2 compared with Fall 2022	
Fall 2023 Key Findings	Fall 2022 – Fall 2023 Comparison
The proportion of female representation is bigger in CTE DSPS students (52%) than in CTE students (40%).	<b>Similar</b> to Fall 2022 (50% vs 38% respectively).
CTE DSPS student population has more African American (+4%) and less Asian (-4%) compared to the overall CTE student population. Latinx students represent 35% of CTE DSPS students.	<b>Similar</b> to Fall 2022, when African American representation was 3% and Asian representation was 1% lower.  It <b>increased</b> from 33% in Fall 2022.

Table 2 compared with Fall 2022 (cont.)	
Fall 2023 Key Findings	Fall 2022 – Fall 2023 Comparison
CTE DSPS population is concentrated between the 18-24 age group (56%). There is little representation of those under 18 (3%).	The proportion <b>increased</b> from Fall 2022 when 54% had between 18-24 years of age. <b>Slight increase</b> in people under 18 from Fall 2022 (2% to 3%).
Half of CTE DSPS students are degree seekers and 22% attempted full academic loads (12+ units).	Degree seekers in the CTE DSPS population <b>decreased</b> from 58% in Fall 2022 to 50% in Fall 2023, and people attempting full academic load <b>went down</b> from 25% to 22%.
CTE DSPS had a higher percentage of CTE enrollments go past census, 71% v 66%.	Proportions are <b>down</b> from Fall 2022 (77% vs 69% respectively).
CTE DSPS students had the same completion rate (92%) but lower success rates (-2%) than the non-DSPS CTE students.	<b>Increased</b> from Fall 2022 where the completion rate and success rates were lower in the CTE DSPS students (↓4% and ↓5% respectively)
CTE DSPS students' average GPA was lower (2.83) than All CTE students (2.86).	<b>Changed</b> from Fall 2022, when DSPS CTE students had a higher GPA than All CTE students.

Tables 3 and 4 compared with Fall 2022	
Fall 2023 Key Findings	Fall 2022 – Fall 2023 Comparison
Both, CTE DSPS students and All CTE students have the same top 5 most enrolled subjects.	This <b>differs</b> from Fall 2022, where only 3 subjects matched.
Enrollments vary greatly by primary disability.	<b>Similar</b> to Fall 2022.
16% of Mental Health Disability enrollments were in “Child development”.	<b>Similar</b> to Fall 2022.