



2022-23 Mesa College CTE DSPS Summary

March 3, 2023

Context

Below is a summary of related Fall 2022 CTE and DSPS data for the San Diego Mesa College from the SDCCD Office of Institutional Effectiveness and Research's [2022-2023 DSPS Dashboard](#). Data was extracted from SDCCD's Institutional Research Datamart on 2/22/2023.

This summary is intended for CTE professionals that are 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). 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 overall CTE student population.

Three categories are used:

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

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

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

The summary is organized into four tables:

Table 1: Compares CTE DSPS students to the 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:

- 35% 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 (5%).
- CTE DSPS students' largest primary disability is Mental Health Disability (27%).
- CTE SPS has slightly lower Latinx (-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	35% of DSPS students are enrolled in CTE-related coursework.	Fall 2022:	304	864
Percent receive DSPS services of Respective Student Population	Similar rates of students receiving DSPS services.	Fall 2022:	5% of CTE students	5% of All students
Percent of DSPS students by Primary Disability	The largest primary disability is Mental Health, followed by Learning Disability. The CTE DSPS student population is fairly similar to the All DSPS student population.	Acquired Brain Injury: ADHD: Autism: Deaf and Hard Hearing: Intellectual Disability: Learning Disability: Mental Health Disability: Mobility Impaired: Visually Impaired: Other: Multiple Prime Disabilities:	2% 15% 10% 2% 1% 17% 27% 5% 2% 16% 3%	2% 18% 12% 2% 2% 17% 28% 3% 1% 13% 3%
Percent of DSPS students by Ethnicity	CTE DSPS has less Latinx (-3%) representation than the overall DSPS student population	African American: Asian: Filipino: Latinx: Multi-Ethnicity: White:	9% 9% 3% 35% 11% 31%	9% 7% 3% 38% 9% 33%

Table 2 Key Findings:

- There are more female CTE DSPS students (67%) than CTE students (56%).
- CTE DSPS had greater Multi-Ethnicity representation (+4%) and lower Latinx representation (-5%) than All CTE students.
- CTE DSPS student population is older.
- Over half of CTE DSPS students are degree seekers and a quarter attempted full academic loads (12+ units).
- Both CTE DSPS and All CTE students had over 75% of CTE enrollments go past census (83% and 77%).
- CTE DSPS students had similar completion (-1%) and success ($\pm 0\%$) rates than the non-DSPS CTE students. CTE DSPS student GPA was also similar (+.01). However, outcomes vary greatly by primary disability, please observe in 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 more female representation than the overall CTE student population (+11%)	Fall 2022:	67%	56%
Percent of CTE students by Ethnicity (Fall 2022)	The CTE DSPS student population has greater Multi-ethnicity (+4%) and less Latinx (-5%) representation than the general CTE student population.	African American: Asian: Filipino: Latinx: Multi-Ethnicity: White:	9% 9% 3% 35% 11% 31%	6% 11% 5% 40% 7% 28%
Age Group of CTE students (Fall 2022)	CTE DSPS student population has few students under 18 and more students 40 and older.	Under 18: 18-24: 25-29: 30-34: 35-39: 40-49: 50 and Older:	3% 52% 14% 7% 6% 10% 7%	5% 57% 15% 8% 6% 6% 3%
Previous Education of CTE students (Fall 2022)	CTE DSPS students have fewer bachelor's degrees (7% vs. 10%).	High School Associate Degree Bachelor's or Higher:	72% 5% 7%	69% 4% 10%

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 2022)	Fewer CTE DSPTS students' education goal is to receive a degree and more are undecided than All CTE students. Over half are degree seeking (AA/AS or BA/BS).	Associates (no Transfer): Bachelor's Degree: Career Prep/Vocational: Undecided/Unreported:	11% 44% 11% 23%	9% 46% 12% 19%
Percent Attempt 12 or more Units	Slightly fewer CTE DSPTS students attempted 12 or more units (-1%).	Fall 2022:	26%	27%
Earned Similar Units Attempted (Fall 2022)	CTE DSPTS students that attempted fewer units (under 9) at Mesa had a higher rate of earning a similar amount than attempting over 9 units.	3-5.9 Units: 6-8.9 Units: 9-11.9 Units: 12+ Units:	82% 73% 56% 57%	73% 66% 58% 66%
Number of CTE Enrollments (Past Census)	CTE DSPTS students are 4.7% of CTE enrollments past census.	Fall 2022:	489	10,453
Percent of CTE Enrollments that go past census	CTE DSPTS students enrolled in Fall continue slightly more past census (+6%).	Fall 2022:	83%	77%
Completion Rate (Average)	CTE DSPTS students have similar completion rates (-1%). *	Fall 2022:	87%	88%
Success Rate (Average)	CTE DSPTS students have similar success rates. *	Fall 2022:	75%	75%
GPA (Average)	CTE DSPTS grade point average are similar (+0.01). *	Fall 2022:	3.02	3.01

*please review outcomes disaggregated by primary disability in the dashboard. Completion: 65%-100%, Success: 59%-100%, GPA: 2.57-3.65.

Tables 3 & 4 Key Findings:

- Both CTE DSPS and All CTE students have Business, Medical Assisting and Computer and Information Sciences as three of their most enrolled CTE subjects.
- Top CTE enrollments vary greatly by DSPS primary disability. 90% of Intellectual Disability enrollments were in Nursing Education. Enrollments vary greatly by primary disability, please observe in 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
Three of the top five most enrolled subjects are similar.	Business: Child Development: Medical Assisting: Comp. and Info. Science: Multimedia:	48 38 36 33 33	Business: Comp. and Info. Science: Accounting: Medical Assisting: Fashion:	1,242 954 914 730 658

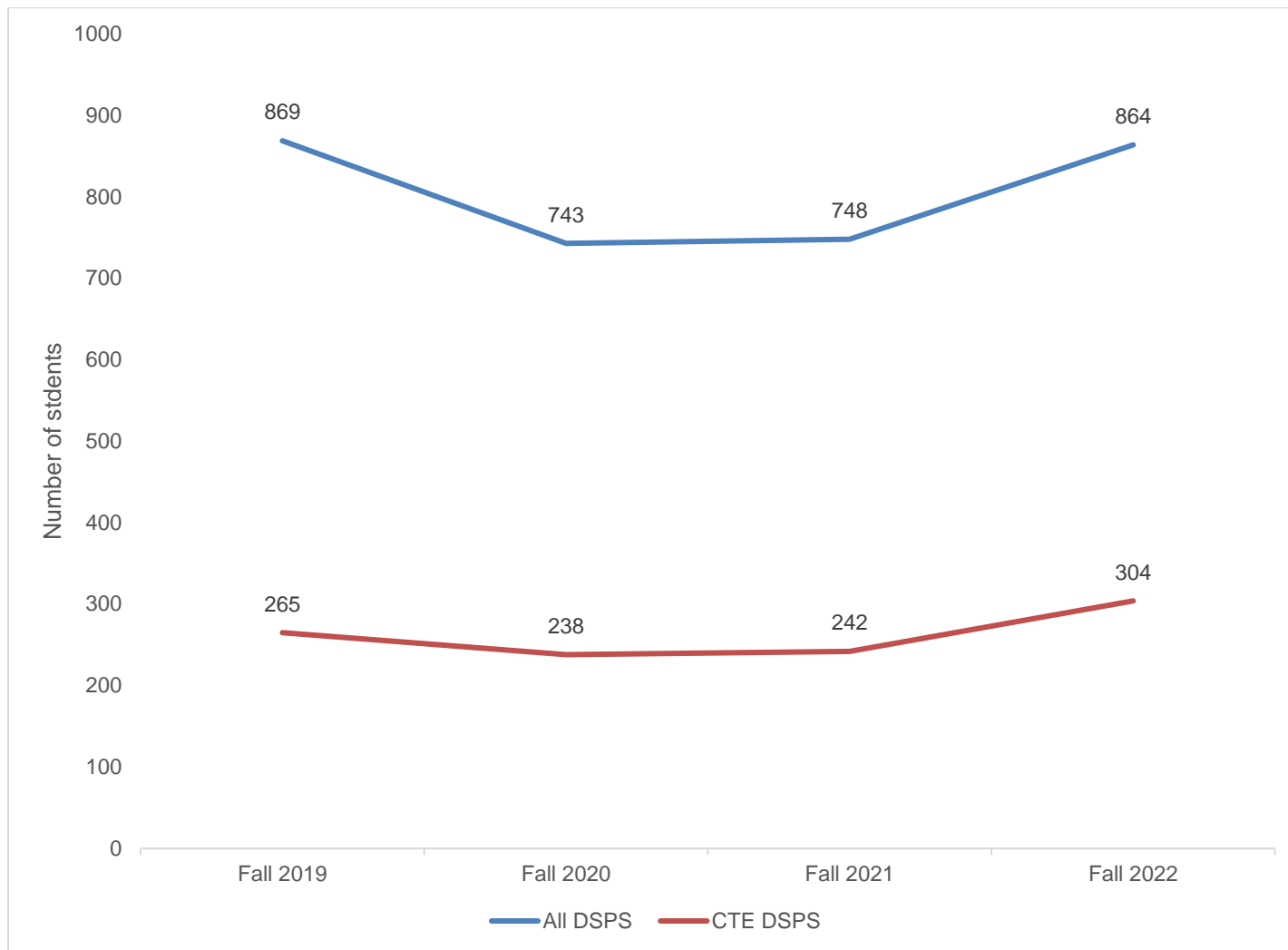
Table 4. CTE DSPS – Top CTE Subject Enrolled by Primary Disability

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: Physical Therapist Assistant	5	29%
	ADHD: Business	9	13%
	Autism: Multimedia	12	29%
	Deaf and Hard Hearing: Computer and Information Sciences	2	33%
	Intellectual Disability: Dental Assisting	9	90%
	Learning Disability: Child Development	15	19%
	Mental Health Disability: Medical Assisting	15	12%
	Mobility Impaired: Fashion	6	24%
	Visually Impaired: Health Information Management/ Multimedia	3	25%
	Other: Health Information Management/ Veterinary Technology	14	15%
Multiple Prime Dis.: Comp. and Info. Sci. / Fashion / Multimedia	2	20%	

Graph 1 Key Findings:

- In Fall 2022 the percent of DSPS students decreased -1% from Fall 2019 but increased 16% from Fall 2021.
- In Fall 2022 the percent of CTE DSPS students increased 15% from Fall 2019 and increased 26% from Fall 2021.
- The percent of CTE DSPS students of all DSPS students has been between 30-35%

Fall 2019: 30%; Fall 2020: 32%; Fall 2021: 32%; Fall 2022: 35%



Looking Across the Reports – Fall 2022 compared to [Fall 2021](#)

Table 1 compared with Fall 2021	
Fall 2022 Key Findings	Fall 2021 – Fall 2022 Comparison
35% of DSPS students are enrolled in CTE-related coursework (304/864).	It increased from Fall 2021 when it was 32% (242/748).
There is a similar proportion of CTE students receiving DSPS, compared to the general student population (5%).	The proportions increase from 4% in Fall 2021 to 5% in Fall 2022 in both groups.
CTE DSPS students' largest primary disability is Mental Health Disability (27%).	In Fall 2021, CTE DSPS students' largest primary disability was Mental Health Disability also, but it represented 23% of the students.
CTE SPS has a slightly lower Latinx (↓3%) representation than all DSPS students. CTE SPS has the same proportion of African American students (9%) as all DSPS students.	Change from Fall 2021, when the proportions of Latinx students were the same in both groups. Change from Fall 2021, when CTE DSPS students had a greater proportion of African American students (10%) than all DSPS students (7%).

Table 2 compared with Fall 2021	
Fall 2022 Key Findings	Fall 2021 – Fall 2022 Comparison
There are more female CTE DSPS students (67%) than CTE students (56%).	It's an increase from Fall 2021 in the proportion of female students in the CTE DSPS population (from 63% to 67%).
CTE DSPS had greater Multi-Ethnicity representation (+4%) and lower Latinx representation (-5%) than All CTE students.	Similar to Fall 2021, when CTE DSPS Multi-Ethnicity representation was 1% higher and Latinx representation 4% lower than All CTE students.
7% of CTE DSPS students are 50 years and older, compared to 3% of all CTE students.	The difference is similar to Fall 2021 (8% and 3% respectively)
Over half of CTE DSPS students are degree seekers and 26% attempted full academic loads (12+ units).	The proportion of students attempting full academic loads increase from 24% in Fall 2021 to 26% in Fall 2022. More than half of the students were degree seekers in both terms.

Table 2 compared with Fall 2021 (cont.)	
Fall 2022 Key Findings	Fall 2021 – Fall 2022 Comparison
Both CTE DSPS and All CTE students had over 75% of CTE enrollments go past census (83% and 77%).	No change from Fall 2021 (80% and 77%).
CTE DSPS students had similar completion (↓1%) and success (±0%) rates to the non-DSPS CTE students.	It's a decrease from Fall 2021 when the success rates were higher in the CTE DSPS students (80%) than in All CTE students (75%).
CTE DSPS student GPA was 3.02 and was similar (+.01) to the average GPA of All CTE students.	The average GPA of CTE DSPS students decreased from 3.29 in Fall 2021 to 3.02 in Fall 2022 . Meaning that the average GPA of CTE DSPS students was higher (+.28) than All CTE students in Fall 2021.

Tables 3 and 4 compared with Fall 2021	
Fall 2022 Key Findings	Fall 2021 – Fall 2022 Comparison
Both CTE DSPS and All CTE students have “Business”, “Medical Assisting”, and “Computer and Information Sciences” as three of their most enrolled CTE subjects.	No change from Fall 2021.
Top CTE enrollments vary greatly by DSPS primary disability.	No change from Fall 2021.
90% of Intellectual Disability enrollments were in “Dental Assisting”.	Changed from Fall 2021, when the majority of Intellectual Disability enrollments (33%) were on “Culinary Arts/Culinary Management”.