

DISTRICT CAREER DUAL ENROLLMENT: ENROLLMENT REPORT 2018-19



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FLORIDA DEPARTMENT OF
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Division of Career and Adult Education

District Career Dual Enrollment: 2018-19 Enrollment Report

Definition of Career Dual Enrollment

Florida Statutes provide several articulated acceleration mechanisms including early admissions, advanced placement, credit by examination, International Baccalaureate, and other postsecondary early entrance opportunities. One additional mechanism authorized in Florida Statutes is dual enrollment that allows secondary students to enroll in postsecondary instruction which results in both postsecondary and secondary credit.¹ The intent is to broaden curricular options, increase depth of study options available to students and shorten the time necessary for completing the requirements for earning a postsecondary certificate or degree.

Through dual enrollment, public, private and home education secondary students may enroll in postsecondary courses creditable toward both high school graduation requirements and a postsecondary diploma or degree. Career dual enrollment in district career centers and charter technical career centers is available for career certificate and applied technology diplomas is available. College credit dual enrollment, academic or career-based, are not available in district career centers. Career dual enrollment is described as follows in the statute:

Career dual enrollment shall be provided as a curricular option for secondary students to pursue in order to earn industry certifications adopted pursuant to s. 1008.44, which count as credits toward the high school diploma. Career dual enrollment shall be available for secondary students seeking a degree and industry certification through a career education program or course.²

The key feature of dual enrollment is the award of both secondary and postsecondary credit documented on both the high school transcript and the transcript of the postsecondary institution, not the location of instruction. Dual enrollment is an acceleration mechanism and courses taken through the dual enrollment program are postsecondary courses taught by faculty with the credentials required for the certificate or degree level as required by the institutional accrediting body and/or the program licensing board (i.e. Florida Board of Nursing). There are arrangements whereby secondary students can take secondary-level courses at postsecondary institutions. These arrangements are sometimes referred to as “shared enrollment” but they are not dual enrollment because the student is enrolled in a secondary course and program number and is receiving secondary credit only. Applied academics for adult education programs, college preparatory instruction, and other pre-collegiate instruction are ineligible for dual enrollment credit because students do not receive postsecondary credit. Physical education skills courses are also ineligible for dual enrollment.

School districts must inform all students of the option and eligibility criteria, and eligible programs are limited to those that lead to industry certifications approved on the CAPE Industry Certification Funding List or CAPE Postsecondary Industry Certification Funding List. Career dual enrollment is not intended to enable students to take isolated courses unrelated to a program, but to be provided as a curricular option for secondary students in order to earn high school credit, postsecondary credits, and industry certifications adopted pursuant to Florida Statutes³. Students participating in dual enrollment are exempt from the payment of registration, tuition, laboratory fees and other fees, such as technology fees and parking decal fees associated with costs of attendance.

Applied Academics for Adult Education, developmental courses and other pre-collegiate instruction are ineligible for dual enrollment credit because students do not articulate for postsecondary credit. Physical education skills courses are also ineligible for dual enrollment.

¹ Section 1007.271, Florida Statutes

² Section 1007.271 (7), Florida Statutes

³ Section 1008.44, Florida Statutes

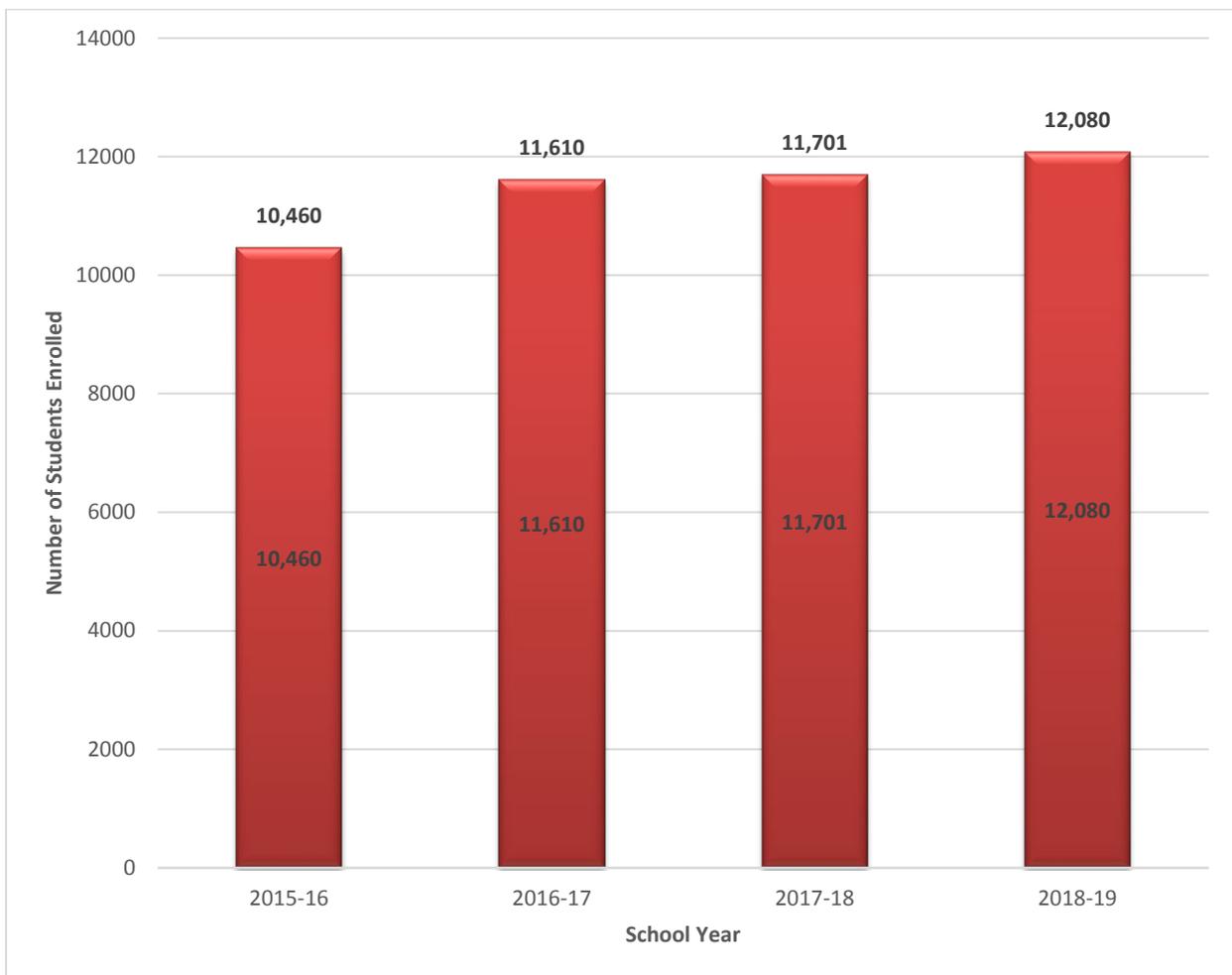
Both school districts and Florida College System (FCS) institutions offer career dual enrollment in non-college credit programs. However, recent enrollment data shows that the vast majority of this type of dual enrollment is offered in district career centers and charter technical career centers.

In 2018-19, there were 45 technical centers across 28 districts offering 113 dual enrollment programs comprised of 333 courses with a total of 3,452,757 instructional hours. There were three districts (Hernando, Okaloosa, and Polk) that had technical centers and no dual enrollment. Additionally, 2,616 industry certifications on the CAPE Industry Certification Funding List were earned by students in 23 out of the 28 districts participating in career dual enrollment programs.

Career Dual Enrollment Data

From 2017-18 to 2018-19, district career dual enrollment increased from 11,701 to 12,080 students, about a 3 percent increase. **Exhibit 1** displays the most recent four years of district career dual enrollment headcount.

Exhibit 1
District dual enrollment headcount from 2015-16 to 2018-19

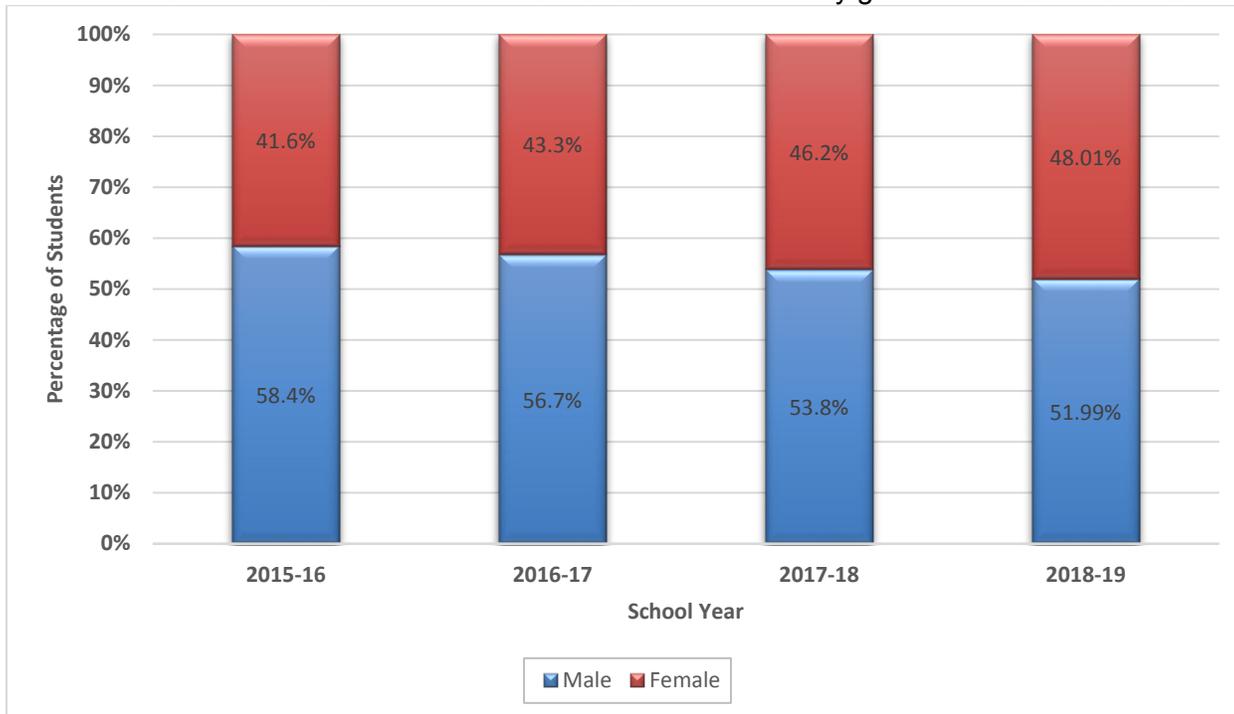


Demographic Summary

For school year 2018-19, 52% of district career dual enrollment students were male and 48% were female. The percentage share of males decreased from 53.8% in 2017-18 to 52% in 2018-19. See **Exhibit 2** for the recent enrollment by gender.

Exhibit 2

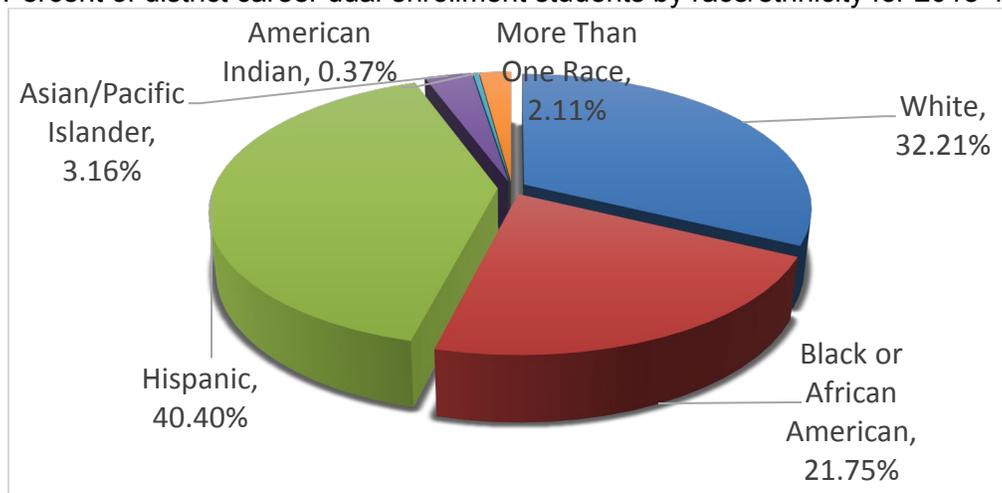
Percent of district career dual enrollment students by gender from 2015-16 to 2018-19



In 2018-19, White, Black or African American, Hispanic, and All Other Races⁴ students comprised 32.2%, 21.8%, 40.4% and 5.6% of district career dual enrollment, respectively. See **Exhibit 3 and Exhibit 4** for the summary charts on student headcount.

Exhibit 3

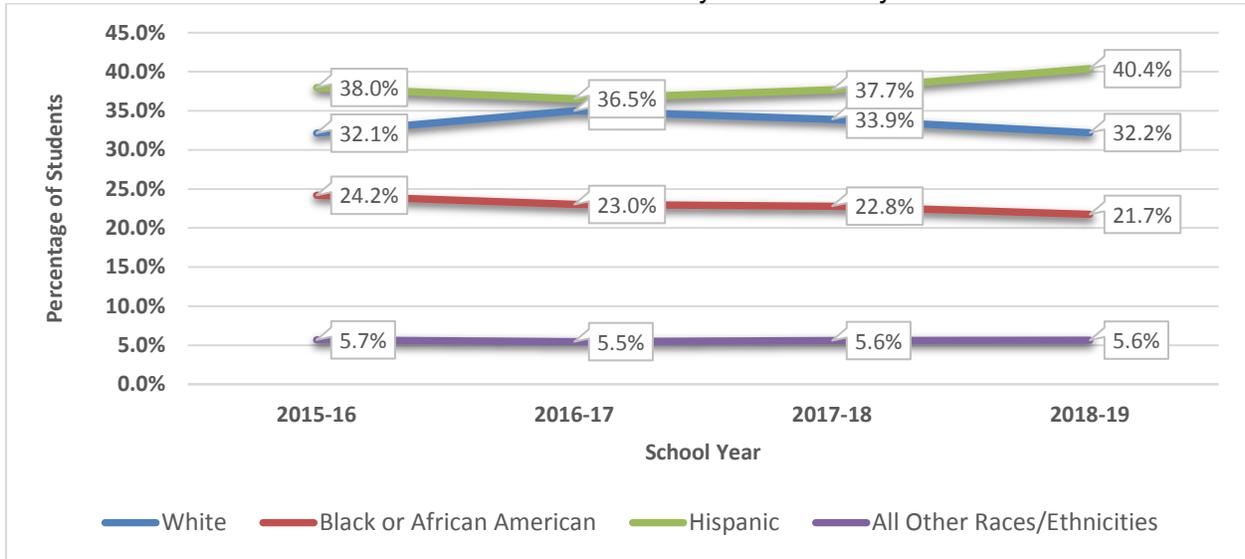
Percent of district career dual enrollment students by race/ethnicity for 2018-19



⁴ Includes students reported as Asian, Pacific Islander, American Indian, or Multiracial

Exhibit 4

Percent of district career dual enrollment students by race/ethnicity from 2015-16 to 2018-19



From 2017-18 to 2018-19, the following demographic shifts occurred:

- White student enrollment decreased by 2%, from 3,969 students to 3,891 students,
- Black or African American student enrollment decreased by 1.5%, from 2,668 students to 2,627 students.
- Conversely, Hispanic student enrollment increased by 10.7%, from 4,410 students to 4,880 students.
- All Other Races student enrollment increased by 4.3%, from 654 students to 682 students.
- 67.8% of the total district career dual enrollment student population was identified as minority, an increase from the previous year when 66.1% was identified as minority.

School District Totals and Trends in Enrollment

Forty districts offer postsecondary career certificate or applied technology diploma programs. Of these, twenty-eight reported dual enrollment students in 2018-19. **Table 1** shows the student enrollment by district.

Table 1
Headcount of district career dual enrollment students by district, 2015-16 to 2018-19⁵

48	Orange	4,711	39.00%	5,021	42.91%	5,462	46.68%	5,120	48.95%
13	Miami-Dade	1,419	11.75%	1,367	11.68%	1,247	10.66%	1,528	14.61%
06	Broward	1,191	9.86%	1,154	9.86%	1,161	9.92%	955	9.13%
29	Hillsborough	1,074	8.89%	799	6.83%	512	4.38%	32	0.31%
58	Sarasota	808	6.69%	771	6.59%	822	7.03%	615	5.88%
11	Collier	514	4.25%	485	4.14%	441	3.77%	447	4.27%
49	Osceola	478	3.96%	441	3.77%	302	2.58%	335	3.20%
57	Santa Rosa	434	3.59%	407	3.48%	380	3.25%	511	4.89%
37	Leon	284	2.35%	177	1.51%	225	1.92%	135	1.29%
08	Charlotte	242	2.00%	242	2.07%	257	2.20%	62	0.59%
41	Manatee	118	0.98%	141	1.21%	145	1.24%	166	1.59%
52	Pinellas	117	0.97%	138	1.18%	121	1.03%	119	1.14%
67	Washington	98	0.81%	101	0.86%	111	0.95%	107	1.02%
51	Pasco	93	0.77%	47	0.40%	38	0.32%	54	0.52%
61	Suwannee	91	0.75%	23	0.20%		0.00%	<10	
62	Taylor	64	0.53%	53	0.45%	47	0.40%	66	0.63%
09	Citrus	56	0.46%	64	0.55%	<10		<10	
55	St Johns	41	0.34%	40	0.34%	40	0.34%	35	0.33%
36	Lee	40	0.33%	35	0.30%	58	0.50%	38	0.36%
35	Lake	34	0.28%	44	0.38%	50	0.43%	51	0.49%
31	Indian River	33	0.27%	10	0.09%	17	0.15%		0.00%
66	Walton	29	0.24%	20	0.17%	16	0.14%	18	0.17%
18	Flagler	25	0.21%	11	0.09%		0.00%		0.00%
03	Bay	24	0.20%	23	0.20%	23	0.20%	<10	
20	Gadsden	24	0.20%	32	0.27%	72	0.62%		0.00%
17	Escambia	15	0.12%	17	0.15%	18	0.15%	<10	
42	Marion	13	0.11%	25	0.21%	26	0.22%	22	0.21%
04	Bradford	10	0.08%	13	0.11%	15	0.13%	12	0.11%
15	Dixie		0.00%		0.00%		0.00%	<10	
46	Okaloosa		0.00%		0.00%		0.00%	<10	
53	Polk		0.00%		0.00%		0.00%	<10	
	Total	12,080		11,701		11,610		10,460	

The following districts had the most dual enrolled students:

- Orange
- Miami-Dade
- Broward
- Hillsborough
- Sarasota

These five districts comprised 76.2% of total dual enrolled students.

From 2017-18 to 2018-19, 10 school districts experienced declines in total enrollment, 17 school districts experienced increases in enrollment, and 1 district's enrollment remains unchanged. Orange County School District, which accounts for 39% of the total district career dual enrollment, experienced a 6.2% decline in enrollment from 5,021 students in the 2017-18 school year to 4,711 in the 2018-19 school year. Meanwhile, Miami-Dade, which accounts for 11.8% of the total district career dual enrollment, experienced a student enrollment increase of 3.8%, from 1,367 students in 2017-18 to 1,419 students in 2018-19.

⁵ Headcount unduplicated to the district and student ID.

Table 2 shows the instructional hours and full-time equivalencies⁶ by district. The top five districts for FTE were slightly different. Collier is ranked 5th in FTE and 6th in headcount. Hillsborough is ranked 4th in headcount and 6th in FTE.

Table 2
Instructional hours and full-time equivalents (FTE) for district career dual enrollment students by district,
2016-17 to 2018-19

#	District	2018-19			2017-18		2016-17	
		Hours	FTE	Percent of State	Hours	FTE	Hours	FTE
48	Orange	973,838	1,082.04	28.20%	1,037,033	1,152.26	1,069,613	1,188.46
6	Broward	576,295	640.33	16.69%	574,646	638.50	572,097	635.66
13	Miami-Dade	321,441	357.16	9.31%	357,977	397.75	260,870	289.86
58	Sarasota	312,678	347.42	9.06%	310,044	344.49	238,388	264.88
11	Collier	226,493	251.66	6.56%	223,756	248.62	204,316	227.02
29	Hillsborough	210,375	233.75	6.09%	151,466	168.30	110,939	123.27
49	Osceola	206,557	229.51	5.98%	210,282	233.65	157,706	175.23
57	Santa Rosa	87,700	97.44	2.54%	83,198	92.44	87,314	97.02
8	Charlotte	81,999	91.11	2.37%	79,397	88.22	75,593	83.99
37	Leon	76,972	85.52	2.23%	40,971	45.52	42,743	47.49
41	Manatee	55,955	62.17	1.62%	70,379	78.20	77,817	86.46
67	Washington	44,532	49.48	1.29%	38,406	42.67	36,345	40.38
52	Pinellas	43,979	48.87	1.27%	45,630	50.70	42,457	47.17
51	Pasco	40,713	45.24	1.18%	20,313	22.57	17,106	19.01
62	Taylor	32,886	36.54	0.95%	27,543	30.60	23,093	25.66
36	Lee	29,494	32.77	0.85%	19,487	21.65	28,901	32.11
9	Citrus	18,648	20.72	0.54%	19,966	22.18	1,160	1.29
61	Suwannee	17,639	19.60	0.51%	8,676	9.64	0	0.00
35	Lake	17,051	18.95	0.49%	22,318	24.80	25,199	28.00
55	St. Johns	15,394	17.10	0.45%	15,201	16.89	16,988	18.88
66	Walton	14,304	15.89	0.41%	8,727	9.70	5,758	6.40
31	Indian River	10,887	12.10	0.32%	1,684	1.87	1,144	1.27
3	Bay	10,008	11.12	0.29%	11,619	12.91	9,522	10.58
17	Escambia	7,456	8.28	0.22%	6,353	7.06	5,472	6.08
20	Gadsden	7,283	8.09	0.21%	10,775	11.97	22,541	25.05
18	Flagler	7,240	8.04	0.21%	2,275	2.53	0	0.00
4	Bradford	2,591	2.88	0.08%	3,510	3.90	3,028	3.36
42	Marion	2,349	2.61	0.07%	4,370	4.86	3,678	4.09
15	Dixie	0	0.00	0.00%	0	0.00	0	0.00
46	Okaloosa	0	0.00	0.00%	0	0.00	0	0.00
53	Polk	0	0.00	0.00%	0	0.00	0	0.00
	Total	3,452,757	3,836.40		3,406,002	3,784.45	3,139,788	3,488.65

⁶ 1 FTE = 900 instructional hours

Table 3 and **Table 4** show the dual enrolled student headcount, instructional hours and FTE for each accredited career center.

Table 3

Headcount of district career dual enrollment students by technical center, 2018-19⁷

#	District	School #	Technical Center	Enrollment
48	Orange	5852	Orange Technical College Winter Park Campus	1,538
48	Orange	1131	Orange Technical College Mid Florida Campus	1,286
48	Orange	5783	Orange Technical College Westside Campus	1,185
58	Sarasota	0391	Suncoast Technical College	808
29	Hillsborough	0362	Brewster Technical College	784
48	Orange	1581	Orange Technical College Orlando Campus	726
06	Broward	2221	Atlantic Technical College	452
13	Miami-Dade	8911	Robert Morgan Educational Center And Technical College	449
13	Miami-Dade	7801	George T. Baker Aviation Technical College	443
57	Santa Rosa	0321	Radford M Locklin Technical College	434
49	Osceola	0861	Osceola Technical College Kissimmee Campus	411
06	Broward	1291	William T. Mcfatter Technical College	400
06	Broward	1051	Sheridan Technical College	339
11	Collier	0281	Lorenzo Walker Technical College	297
13	Miami-Dade	7702	South Dade Technical College	286
37	Leon	0361	Lively Technical College	284
29	Hillsborough	0071	Aparicio-Levy Technical College	248
08	Charlotte	0161	Charlotte Technical College	242
11	Collier	0581	Immokalee Technical College	217
13	Miami-Dade	8901	Miami Lakes Educational Center And Technical College	144
41	Manatee	0211	Manatee Technical College	118
67	Washington	0141	Florida Panhandle Technical College	98
51	Pasco	8991	Marchman Technical College Adult	93
13	Miami-Dade	8005	Lindsey Hopkins Technical College	91
61	Suwannee	0012	Riveroak Technical College	91
52	Pinellas	3801	Pinellas Technical College - St Petersburg	71
62	Taylor	0131	Big Bend Technical College	64
09	Citrus	0131	Withlacoochee Technical College	56
29	Hillsborough	1421	Erwin Technical College	47
52	Pinellas	4541	Pinellas Technical College - Clearwater	46
49	Osceola	0950	Osceola Technical College St Cloud Campus	42
55	St. Johns	0231	First Coast Technical College	41
35	Lake	0531	Lake Technical College	34
31	Indian River	0032	Treasure Coast Technical College	33
66	Walton	0301	Emerald Coast Technical College	29
36	Lee	0541	Fort Myers Technical College	28
49	Osceola	0951	Osceola Technical College Poinciana Campus	26
18	Flagler	0092	Flagler Technical Institute	25
03	Bay	0481	Tom P. Haney Technical Center	24
20	Gadsden	0245	Gadsden Technical Institute	24
17	Escambia	0861	George Stone Technical College	15
42	Marion	9412	Marion Technical College	13
36	Lee	0581	Cape Coral Technical College	12
04	Bradford	0171	North Florida Technical College	10
13	Miami-Dade	8139	D.A. Dorsey Technical College	<10

⁷ Unduplicated headcount of district career certificate programs only includes students enrolled in Council on Occupational Education (COE) accredited technical centers. May include duplication if student enrolled in more than one technical center in the same district. Does not include enrollment at non-COE accredited district instructional sites.

Table 4
Instructional hours and full-time equivalents (FTE) for district career dual enrollment students
by technical center, 2018-19⁸

District	School #	Technical Center	Hours	FTE
Orange	1131	Orange Technical College Mid Florida Campus	322,539	358.38
Sarasota	0391	Suncoast Technical College	312,678	347.42
Orange	5852	Orange Technical College Winter Park Campus	287,429	319.37
Broward	2221	Atlantic Technical College	227,654	252.95
Orange	5783	Orange Technical College Westside Campus	222,404	247.12
Broward	1291	William T. Mcfatter Technical College	191,279	212.53
Osceola	0861	Osceola Technical College Kissimmee Campus	174,648	194.05
Collier	0281	Lorenzo Walker Technical College	169,137	187.93
Broward	1051	Sheridan Technical College	157,362	174.85
Hillsborough	0362	Brewster Technical College	143,550	159.5
Orange	1581	Orange Technical College Orlando Campus	141,466	157.18
Miami-Dade	7801	George T. Baker Aviation Technical College	133,855	148.73
Santa Rosa	0321	Radford M Locklin Technical College	87,700	97.44
Charlotte	0161	Charlotte Technical College	81,999	91.11
Leon	0361	Lively Technical College	76,972	85.52
Miami-Dade	8911	Robert Morgan Educational Center And Technical College	72,894	80.99
Miami-Dade	7702	South Dade Technical College	62,440	69.38
Collier	0581	Immokalee Technical College	57,356	63.73
Manatee	0211	Manatee Technical College	55,955	62.17
Hillsborough	0071	Aparicio-Levy Technical College	53,775	59.75
Washington	0141	Florida Panhandle Technical College	44,532	49.48
Pasco	8991	Marchman Technical College Adult	40,713	45.24
Taylor	0131	Big Bend Technical College	32,886	36.54
Miami-Dade	8901	Miami Lakes Educational Center And Technical College	32,144	35.72
Pinellas	3801	Pinellas Technical College - St Petersburg	26,614	29.57
Osceola	0950	Osceola Technical College St Cloud Campus	20,911	23.23
Lee	0541	Fort Myers Technical College	20,565	22.85
Miami-Dade	8005	Lindsey Hopkins Technical College	18,684	20.76
Citrus	0131	Withlacoochee Technical College	18,648	20.72
Suwannee	0012	Riveroak Technical College	17,639	19.6
Pinellas	4541	Pinellas Technical College - Clearwater	17,365	19.29
Lake	0531	Lake Technical College	17,051	18.95
St. Johns	0231	First Coast Technical College	15,394	17.1
Walton	0301	Emerald Coast Technical College	14,304	15.89
Hillsborough	1421	Erwin Technical College	13,050	14.5
Osceola	0951	Osceola Technical College Poinciana Campus	10,998	12.22
Indian River	0032	Treasure Coast Technical College	10,887	12.1
Bay	0481	Tom P. Haney Technical Center	10,008	11.12
Lee	0581	Cape Coral Technical College	8,929	9.92
Escambia	0861	George Stone Technical College	7,456	8.28
Gadsden	0245	Gadsden Technical Institute	7,283	8.09
Flagler	0092	Flagler Technical Institute	7,240	8.04
Bradford	0171	North Florida Technical College	2,591	2.88
Marion	9412	Marion Technical College	2,349	2.61
Miami-Dade	8139	D.A. Dorsey Technical College	1,424	1.58

⁸ Instructional hours and FTE of district career certificate programs only include students enrolled in COE accredited technical centers. Does not include instructional hours and FTE reported at non-COE accredited district instructional sites.

Program Summary

Table 5 provides the Top 20 Dual Enrollment postsecondary programs by enrollment. There were a total of 113 dual enrollment programs with at least one student enrolled.

Table 5
Top 20 Dual Enrollment Programs by Headcount, 2018-19⁹

Program	Enrollment
Early Childhood Education	898
Medical Assisting	869
Digital Video Technology	824
Digital Photography Technology	692
Professional Culinary Arts & Hospitality	665
Practical Nursing	544
Fundamental Foodservice Skills	535
Enterprise Desktop and Mobile Support Technology	458
Automotive Service Technology	391
Medical Administrative Specialist	354
Computer Systems & Information Technology (CSIT)	342
Building Construction Technologies	327
Game/Simulation/Animation Visual Design	306
Automotive Service Technology 1	302
Veterinary Assisting	267
Welding Technology	251
Aviation Powerplant Mechanics	226
Digital Media/Multimedia Design	211
3 D Animation Technology	207
Pharmacy Technician	184

Enrollment in these twenty programs comprised 70% of total district career dual enrollment.

⁹ Headcount of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 6 provides dual enrolled instructional hours by postsecondary program of enrollment.

Table 6
Dual Enrolled Instructional Hours by Program, 2018-19¹⁰

Program	Hours	Average Hours per Student
Medical Assisting	232,379	267
Practical Nursing	222,279	409
Professional Culinary Arts & Hospitality	198,834	299
Early Childhood Education	178,647	199
Automotive Service Technology	147,716	378
Digital Video Technology	140,625	171
Digital Photography Technology	118,437	171
Automotive Service Technology 1	105,501	349
Welding Technology	103,285	411
Medical Administrative Specialist	86,667	245
Fundamental Foodservice Skills	83,763	157
Computer Systems & Information Technology (CSIT)	79,842	233
Enterprise Desktop and Mobile Support Technology	74,691	163
Electricity	72,289	399
Drafting	67,237	382
Veterinary Assisting	66,959	251
Digital Media/Multimedia Design	63,070	299
Aviation Powerplant Mechanics	60,474	268
Pharmacy Technician	60,409	328
Patient Care Technician	59,827	404

Instructional hours in these twenty programs comprised 64% of total instructional hours in district career dual enrollment.

¹⁰ Instructional hours of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 7 provides industry certifications on the CAPE Industry Certification Funding List earned through dual enrollment programs by district. A total of 2,616 industry certifications offered by 23 of 28 school districts participating in dual enrollment programs were earned in 2018-19.

Table 7
Dual Enrolled Industry Certifications Earned by District, 2018-19

District	Industry Certifications Earned
Orange	802
Sarasota	390
Broward	317
Santa Rosa	274
Osceola	210
Hillsborough	137
Collier	124
Charlotte	80
Miami-Dade	50
Citrus	38
Suwannee	36
Walton	28
Indian River	27
Taylor	22
Pasco	16
Wakulla	16
Pinellas	15
Leon	13
Washington	10
Bay	<10
Bradford	<10
Lake	<10
Lee	<10
Total	2,616

The three districts (Orange, Sarasota, and Broward) with the most number of industry certifications earned accounted for 57.7% of total industry certifications earned through career dual enrollment programs.

Table 7a shows the top 5 dual enrollment industry certification programs on the CAPE Industry Certification Funding List and the industry certifications earned in those programs in Orange, Sarasota, and Broward, the three districts with the most number of industry certifications earned.

Table 7a
Top Dual Enrollment Industry Certification Programs and Certifications by the 3 Districts with Most Dual Enrollment Industry Certifications Earned, 2018-19¹¹

Orange			
Program	# Earned	Industry Certification	# Earned
Digital Photography Technology	258	Adobe Certified Associate (ACA) - Dreamweaver	<10
		Adobe Certified Associate (ACA) - Premiere Pro	33
		Adobe Certified Associate (ACA) - Illustrator	12
		Adobe Certified Associate (ACA) - InDesign	<10
		Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	210
		Certified Internet Web (CIW) Network Technology Associate	<10
Digital Media/Multimedia Design	111	Adobe Certified Associate (ACA) - Dreamweaver	<10
		Adobe Certified Associate (ACA) - Premiere Pro	<10
		Adobe Certified Associate (ACA) - Illustrator	51
		Adobe Certified Associate (ACA) - InDesign	10
		Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	49
Fundamental Foodservice Skills	66	Certified Food Protection Manager (ServSafe®)	66
Digital Video Technology	59	Adobe Certified Associate (ACA) - Premiere Pro	58
		Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	1
Patient Care Technician	49	Certified Nursing Assistant (CNA)	49

Orange offers 29 career dual enrollment programs that offer industry certifications. Of the 29, these 5 account for more than two-thirds of industry certifications earned.

¹¹ Instructional hours and headcount of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 7a (continued)

Top Dual Enrollment Industry Certification Programs on the CAPE Industry Certification Funding List and Certifications by the 3 Districts with Most Dual Enrollment Industry Certifications Earned, 2018-19¹²

Sarasota			
Program	# Earned	Industry Certification	# Earned
Automotive Service Technology	125	ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	28
		ASE Auto Maintenance and Light Repair (G1)	27
		ASE Entry-level - Auto: Automatic Transmission/Transaxle (AT)	<10
		ASE Entry-level - Auto: Automobile Service Technology (AS)	15
		ASE Entry-level - Auto: Brakes (BR)	18
		ASE Entry-level - Auto: Electrical/Electronic Systems (EE)	<10
		ASE Entry-level - Auto: Engine Performance (EP)	<10
		ASE Entry-level - Auto: Engine Repair (ER)	<10
		ASE Entry-level - Auto: Heating and Air Conditioning (AC)	14
		ASE Entry-level - Auto: Manual Drive Train and Axles (MD)	<10
		ASE Entry-level - Auto: Suspension and Steering (SS)	<10
Professional Culinary Arts & Hospitality	46	Certified Food Protection Manager (ServSafe®)	46
Digital Video Technology	37	Adobe Certified Associate (ACA) - Premiere Pro	37
Automotive Collision Technology Technician	28	ASE Entry-level - Collision: Mechanical and Electrical (ME)	<10
		ASE Entry-level - Collision: Non-structural Analysis and Damage Repair (NS)	<10
		ASE Entry-level - Collision: Painting and Refinishing (PR)	<10
		ASE Entry-level - Collision: Structural Analysis and Damage Repair (SR)	<10
Plumbing	27	NCCER Plumbing - Level 1 (Secondary)	12
		NCCER Plumbing - Level 2 (Secondary)	11
		NCCER Plumbing - Level 3 (Secondary)	<10
		NCCER Plumbing - Level 4 (Secondary)	<10

Sarasota offers 22 career dual enrollment programs that offer industry certifications. Of the 22, these 5 account for more than two-thirds of industry certifications earned.

¹² Instructional hours and headcount of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 7a (continued)

Top Dual Enrollment Industry Certification Programs on the CAPE Industry Certification Funding List and Certifications by the 3 Districts with Most Dual Enrollment Industry Certifications Earned, 2018-19¹³

Broward			
Program	# Earned	Industry Certification	# Earned
Automotive Service Technology 1	30	ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)	<10
		ASE Automobile/Light Truck Technician: Brakes (A5)	14
		ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	<10
		ASE Automobile/Light Truck Technician: Engine Performance (A8)	<10
		ASE Automobile/Light Truck Technician: Engine Repair (A1)	<10
		ASE Automobile/Light Truck Technician: Suspension and Steering (A4)	<10
		ASE Auto Maintenance and Light Repair (G1)	<10
Digital Media/Multimedia Design	29	Adobe Certified Associate (ACA) - Premiere Pro	<10
		Adobe Certified Associate (ACA) - Illustrator	<10
		Adobe Certified Associate (ACA) - InDesign	<10
		Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	<10
Legal Administrative Specialist	25	Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)	24
		Certified Medical Administrative Assistant (CMAA)	*
Web Development	23	Adobe Certified Expert (ACE) - Photoshop	<10
		Adobe Certified Associate (ACA) - Dreamweaver	<10
		Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	16
Database Application Development & Programming	23	Microsoft Technology Associate (MTA) - Software Development Fundamentals	<10
		Microsoft Technology Associate (MTA) - Windows OS Fundamentals	<10
		Microsoft Technology Associate (MTA) - Mobility and Devices Fundamentals	<10
		Microsoft Technology Associate (MTA) - Introduction to Programming Using JavaScript	<10
		Microsoft Technology Associate (MTA) - Introduction to Programming Using HTML and CSS	14
		Certified Internet Web (CIW) JavaScript Specialist	<10

Broward offers 30 career dual enrollment programs that offer industry certifications. Of the 30, these 5 account for more than two-fifths of industry certifications earned.

¹³ Instructional hours and headcount of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 8 shows industry certifications on the CAPE Industry Certification Funding List earned through dual enrollment programs. There were a total of 58 programs which students could have earned industry certifications through dual enrollment.

Table 8
Dual Enrolled Industry Certifications Earned by Program, 2018-19¹⁴

Program Title	Total
Professional Culinary Arts & Hospitality	298
Digital Photography Technology	259
Digital Media/Multimedia Design	190
Automotive Service Technology 1	170
Automotive Service Technology	167
Java Development & Programming	158
Patient Care Technician	104
Medical Assisting	95
Digital Video Technology	96
Drafting	75
Game/Simulation/Animation Programming	75
Fundamental Foodservice Skills	67
Computer Systems & Information Technology (CSIT)	64
Digital Design 1	58
Veterinary Assisting	57
Legal Administrative Specialist	53
Early Childhood Education	50
Pharmacy Technician ATD	50
Automotive Collision Technology Technician	48
Phlebotomy	35
3 D Animation Technology	33
Digital Design 2	32
Medical Administrative Specialist	31
Web Development	29
Plumbing	28
Electricity	26
Database Application Development & Programming	23
Welding Technology	20
Mental Health Technician	19
Network Support Services	19
Television Production Technology	15
Accounting Operations	14
Industrial Machinery Maintenance & Repair	13

¹⁴ Instructional hours and headcount of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 8 (continued)

Dual Enrolled Industry Certifications on the CAPE Industry Certification Funding List Earned by Program, 2018-19¹⁵

Program Title	Total
Business Management and Analysis	12
Carpentry	12
Digital Cinema Production	12
Automotive Maintenance and Light Repair Technician	11
Machining Technologies	11
Air Conditioning, Refrigeration and Heating Technology	10
Diesel Systems Technician 1	10
Business Computer Programming	<10
Practical Nursing	<10
Administrative Office Specialist	<10
Digital Printing Technology	<10
Enterprise Desktop and Mobile Support Technology	<10
Medium and Heavy Duty Truck and Bus Technician	<10
Advanced Manufacturing and Production Technology	<10
Applied Cybersecurity	<10
Dental Assisting	<10
Game/Simulation/Animation Visual Design	<10
Modeling Simulation Production	<10
Building Trades and Construction Design Technology	<10
Nursing Assistant (Long-Term Care)	<10
Applied Information Technology	<10
Electrocardiograph Technology	<10
Lodging Operations	<10
.NET Application Development and Programming	<10
CNC Production Specialist	<10
Total	2,616

The top 5 programs with the highest number of industry certifications earned comprised 41% of all industry certifications earned through dual enrollment programs.

¹⁵ Instructional hours and headcount of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 8a

Industry Certifications by Top 5 Programs with Most Dual Enrolled Industry Certifications on the CAPE Industry Certification Funding List Earned, 2018-19¹⁶

Professional Culinary Arts & Hospitality	
Industry Certification	# Earned
Certified Food Protection Manager (ServSafe®)	288
National ProStart Certificate of Achievement	<10
Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)	<10
Foodservice Management Professional (FMP)	<10
Digital Photography Technology	
Industry Certification	# Earned
Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	211
Adobe Certified Associate (ACA) - Premiere Pro	33
Adobe Certified Associate (ACA) - Illustrator	12
Adobe Certified Associate (ACA) - InDesign	<10
Adobe Certified Associate (ACA) - Dreamweaver	<10
Certified Internet Web (CIW) Network Technology Associate	<10
Digital Media/Multimedia Design	
Industry Certification	# Earned
Adobe Certified Associate (ACA) - Illustrator	76
Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	71
Adobe Certified Associate (ACA) - InDesign	18
Adobe Certified Associate (ACA) - Premiere Pro	17
Adobe Certified Associate (ACA) - Dreamweaver	<10
Certified Food Protection Manager (ServSafe®)	<10

¹⁶ Instructional hours and headcount of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 8a (continued)

Industry Certifications by Top 5 Programs with Most Dual Enrolled Industry Certifications on the CAPE Industry Certification Funding List Earned, 2018-19¹⁷

Automotive Service Technology 1	
Industry Certification	# Earned
ASE Entry-level - Auto: Brakes (BR)	40
ASE Entry-level - Auto: Suspension and Steering (SS)	33
ASE Automobile/Light Truck Technician: Brakes (A5)	16
ASE Entry-level - Auto: Automatic Transmission/Transaxle (AT)	15
ASE Entry-level - Auto: Electrical/Electronic Systems (EE)	12
ASE Entry-level - Auto: Automobile Service Technology (AS)	<10
ASE Entry-level - Auto: Manual Drive Train and Axles (MD)	<10
ASE Auto Maintenance and Light Repair (G1)	<10
ASE Entry-level - Auto: Engine Repair (ER)	<10
ASE Entry-level - Auto: Heating and Air Conditioning (AC)	<10
ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	<10
ASE Automobile/Light Truck Technician: Suspension and Steering (A4)	<10
ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)	<10
ASE Automobile/Light Truck Technician: Engine Performance (A8)	<10
ASE Automobile/Light Truck Technician: Engine Repair (A1)	<10
ASE Entry-level - Auto: Engine Performance (EP)	<10
ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)	<10
Industry Certifications by Top 5 Programs with Most Dual Enrolled Industry Certifications Earned, 2018-19	
Automotive Service Technology	
Industry Certification	# Earned
ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	36
ASE Auto Maintenance and Light Repair (G1)	30
ASE Entry-level - Auto: Brakes (BR)	28
ASE Entry-level - Auto: Automobile Service Technology (AS)	20
ASE Entry-level - Auto: Heating and Air Conditioning (AC)	15
ASE Entry-level - Auto: Manual Drive Train and Axles (MD)	<10
ASE Entry-level - Auto: Engine Repair (ER)	<10
ASE Automobile/Light Truck Technician: Brakes (A5)	<10
ASE Entry-level - Auto: Suspension and Steering (SS)	<10
ASE Entry-level - Auto: Automatic Transmission/Transaxle (AT)	<10
ASE Entry-level - Auto: Electrical/Electronic Systems (EE)	<10
ASE Entry-level - Auto: Engine Performance (EP)	<10

¹⁷ Instructional hours and headcount of district career certificate programs may include duplication if a student was enrolled in more than one program.

Table 9 provides details on the number of industry certifications on the CAPE Industry Certification Funding List earned through dual enrollment programs by title of industry certification. Dual enrolled students had 91 different industry certifications to choose from.

Table 9
Dual Enrolled Industry Certifications Earned 2018-19

Industry Certification Title	# Earned
Certified Food Protection Manager (ServSafe®)	356
Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	347
Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)	258
Adobe Certified Associate (ACA) - Premiere Pro	175
Certified Nursing Assistant (CNA)	123
Adobe Certified Associate (ACA) - Illustrator	120
Registered Phlebotomy Technician (RPT)	85
ASE Entry-level - Auto: Brakes (BR)	69
Adobe Certified Associate (ACA) - Flash/Animate	53
Child Development Associate (CDA)	49
Autodesk Certified User - AutoCAD	45
Certified Veterinary Assistant (CVA)	45
Adobe Certified Associate (ACA) - InDesign	42
ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	40
ASE Entry-level - Auto: Suspension and Steering (SS)	39
ASE Auto Maintenance and Light Repair (G1)	38
Certified EKG Technician (CET)	32
Modeling & Simulation (M&S) Certification	32
Certified Medical Administrative Assistant (CMAA)	31
Microsoft Technology Associate (MTA) - Mobility and Devices Fundamentals	30
ASE Entry-level - Auto: Automobile Service Technology (AS)	29
Certified Patient Care Technician (CPCT)	28
ASE Entry-level - Collision: Painting and Refinishing (PR)	24
Certified Phlebotomy Technician (CPT)	24
CompTIA A+	24
ASE Automobile/Light Truck Technician: Brakes (A5)	23
ASE Entry-level - Auto: Heating and Air Conditioning (AC)	21
Adobe Certified Expert (ACE) - Photoshop	20
Certified Welder	20
ASE Entry-level - Auto: Automatic Transmission/Transaxle (AT)	18
ASE Entry-level - Auto: Manual Drive Train and Axles (MD)	18
Adobe Certified Associate (ACA) - Dreamweaver	16
ASE Entry-level - Auto: Electrical/Electronic Systems (EE)	16
ASE Entry-level - Auto: Engine Repair (ER)	15
Microsoft Technology Associate (MTA) - Introduction to Programming Using HTML and CSS	15
Autodesk Certified User - Inventor	14
Certified Pharmacy Technician (CPhT)	14
Certified Solidworks Associate-Academic (CSWA-Academic)	14
NCCER Plumbing - Level 1 (Secondary)	14
Florida Automobile Dealers Association (FADA) Certified Technician	12

Table 9 (continued)

Dual Enrolled Industry Certifications on the CAPE Industry Certification Funding List Earned 2018-19

Dual Enrolled Industry Certifications Earned	
Industry Certification Title	# Earned
Microsoft Technology Associate (MTA) - Database Administration Fundamentals	12
NCCER Plumbing - Level 2 (Secondary)	12
Pharmacy Technician	12
Adobe Certified Expert (ACE) - Illustrator	11
Animal Science Specialist Certification	11
Microsoft Technology Associate (MTA) - Security Fundamentals	11
ASE Entry-level - Collision: Non-structural Analysis and Damage Repair (NS)	11
CompTIA Network+	10
NCCER Electrical - Level 1 (Secondary)	10
Microsoft Technology Associate (MTA) - Software Development Fundamentals	<10
HVAC Excellence Employment Ready - Electrical	<10
ASE Entry-level - Truck: Steering & Suspension (TS)	<10
National ProStart Certificate of Achievement	<10
NCCER Carpentry - Level 2 (Secondary)	<10
ASE Entry-level - Collision: Structural Analysis and Damage Repair (SR)	<10
NIMS Machining Level I - CNC Milling: Operations	<10
Microsoft Technology Associate (MTA) - Networking Fundamentals	<10
NCCER Industrial Maintenance Mechanic - Level 2 (Secondary)	<10
Certified Internet Web (CIW) Internet Business Associate	<10
CompTIA Security+	<10
QuickBooks Certified User	<10
Microsoft Technology Associate (MTA) - Introduction to Programming Using Block-Based Languages	<10
NCCER Carpentry - Level 1 (Secondary)	<10
NCCER Electrical - Level 2 (Secondary)	<10
ASE Entry-level - Collision: Mechanical and Electrical (ME)	<10
Autodesk Certified Professional - AutoCAD	<10
Microsoft Office Specialist Master	<10
Microsoft Technology Associate (MTA) - Windows OS Fundamentals	<10
NCCER Electrical - Level 3 (Secondary)	<10
NCCER Industrial Maintenance Mechanic - Level 1 (Secondary)	<10
ASE Entry-level - Auto: Engine Performance (EP)	<10
ASE Entry-level - Truck: Brakes (TB)	<10
Autodesk Certified User - Revit Architecture	<10
HVAC Excellence Employment Ready - Air Conditioning	<10
NCCER Electrical - Level 4 (Secondary)	<10
NCCER Industrial Maintenance Mechanic - Level 3 (Secondary)	<10
ASE Automobile/Light Truck Technician: Suspension and Steering (A4)	<10
Certified Medical Assistant (CMA)	<10
NCCER Plumbing - Level 3 (Secondary)	<10
NCCER Plumbing - Level 4 (Secondary)	<10
ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)	<10
ASE Automobile/Light Truck Technician: Engine Performance (A8)	<10
ASE Automobile/Light Truck Technician: Engine Repair (A1)	<10

Table 9 (continued)

Dual Enrolled Industry Certifications on the CAPE Industry Certification Funding List Earned 2018-19

Dual Enrolled Industry Certifications Earned	
Industry Certification Title	# Earned
Certified Internet Web (CIW) JavaScript Specialist	<10
Certified Front Desk Supervisor	<10
Certified Drafter - Architectural	<10
Cisco Certified Entry Network Technician (CCENT)	<10
HVAC Excellence Employment Ready - Heat Pump	<10
Microsoft Technology Associate (MTA) - Introduction to Programming Using JavaScript	<10
Air Conditioning Service Technician	<10
National Licensed Practical Nurse (NCLEX-PN)	<10
Foodservice Management Professional (FMP)	<10
Certified Internet Web (CIW) Network Technology Associate	<10
CNC Production Specialist	<10
ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)	<10
ASE Medium/Heavy Truck Technician: Brakes (T4)	<10
ASE Medium/Heavy Truck Technician: Drive Train (T3)	<10
ASE Medium/Heavy Truck Technician: Suspension and Steering (T5)	<10

The top 5 most-earned industry certifications comprised 48% of total industry certifications earned.

Executive Summary

- The upward trend in district career dual enrollment programs shows that the demand for workforce education is at an all-time high. Between the 2015-16 and 2018-19 school years, enrollment in district dual enrollment increased by over 15% from 10,460 students to 12,080 students.
- Since 2015-16, female enrollment in district career dual enrollment programs jumped up by 6.4 percentage points, making the female to male ratio 48:52 for 2018-19. In 2018-19, Hispanic students comprised 40.4% of total district career dual enrollment programs, followed by White students (32.21%), Black or African American students (21.75%), and All Other Races¹⁸ (5.6%). Hispanic student enrollment in district career dual enrollment programs have increased by 8.3 percentage points from 32.1% in 2015-16 to 40.4% in 2018-19. Black or African American student enrollment has decreased by 2.5% from 24.2% in 2014-15 to 2018-19 and the enrollment of White students and students of All Other Races²¹ remains largely unchanged.
- The five districts with the highest enrollment in district career dual enrollment programs for 2018-19 were Orange, Miami-Dade, Broward, Hillsborough, and Sarasota. These five districts comprised 76.2% of total district career dual enrolled students. In all, 17 school districts experienced an increase an enrollment of a total of 779 students, 10 school districts experienced a decrease in enrollment of a total of 400 students, and 1 school district's enrollment numbers remained unchanged for a net increase in enrollment of 379 students from 2017-18 to 2018-19.
- In 2018-19, there were a total of 113 dual enrollment programs available for students to take. The three programs with the highest enrollment were Early Childhood Education, Medical Assisting, and Digital Video Technology. Enrollment in these three programs comprised 20.5% of total program enrollment. Enrollment in the top 20 programs comprised 70% of total enrollment.
- 2,616 industry certifications on the CAPE Industry Certification Funding List were earned through 58 programs and 157 courses offering 91 unique industry certifications in 23 school districts participating in district career dual enrollment programs in the 2018-19 school year. Orange, Sarasota, and Broward were the three districts with the highest number of industry certifications earned, accounting for nearly 58% of total industry certifications earned. In Orange, the program with the most industry certifications earned was Digital Photography Technology, which accounted for nearly one-third of industry certifications earned. In Sarasota, the program with the most industry certifications earned was Automotive Service Technology, which also comprised nearly one-third of industry certifications earned. Automotive Service Technology 1 was the program with the most industry certifications earned in Broward, accounting for approximately 9.5% of industry certifications earned.
- The three programs that issued the most industry certifications on the CAPE Industry Certification Funding List were Professional Culinary Arts & Hospitality, Digital Photography Technology, and Digital Media/Multimedia Design. These accounted for nearly 30% of total industry certifications earned. In Professional Culinary Arts & Hospitality, the most awarded industry certification was Certified Food Protection Manager (ServSafe®), which accounted for over 96% of industry certifications earned in that program. In Digital Photography Technology, the most awarded industry certification was Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later), which accounted for over 81% of industry certifications earned in that program. And in Digital Media/Multimedia Design, the most awarded industry certification was Adobe Certified Associate (ACA) – Illustrator, which comprised 40% of industry certifications earned in that program.
- The three most-earned industry certifications in general were Certified Food Protection Manager (ServSafe®), Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later), and Microsoft Office Specialist (MOS) Bundle Certification (3 of 6). Combined, these three industry certifications made up nearly 37% of total industry certifications issued.

¹⁸ Includes students reported as Asian, Pacific Islander, American Indian, or Multiracial (More Than One Race).