



# 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.<sup>1</sup> 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.<sup>2</sup>*

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 Statutes<sup>3</sup>. 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.

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<sup>1</sup> Section 1007.271, Florida Statutes

<sup>2</sup> Section 1007.271 (7), Florida Statutes

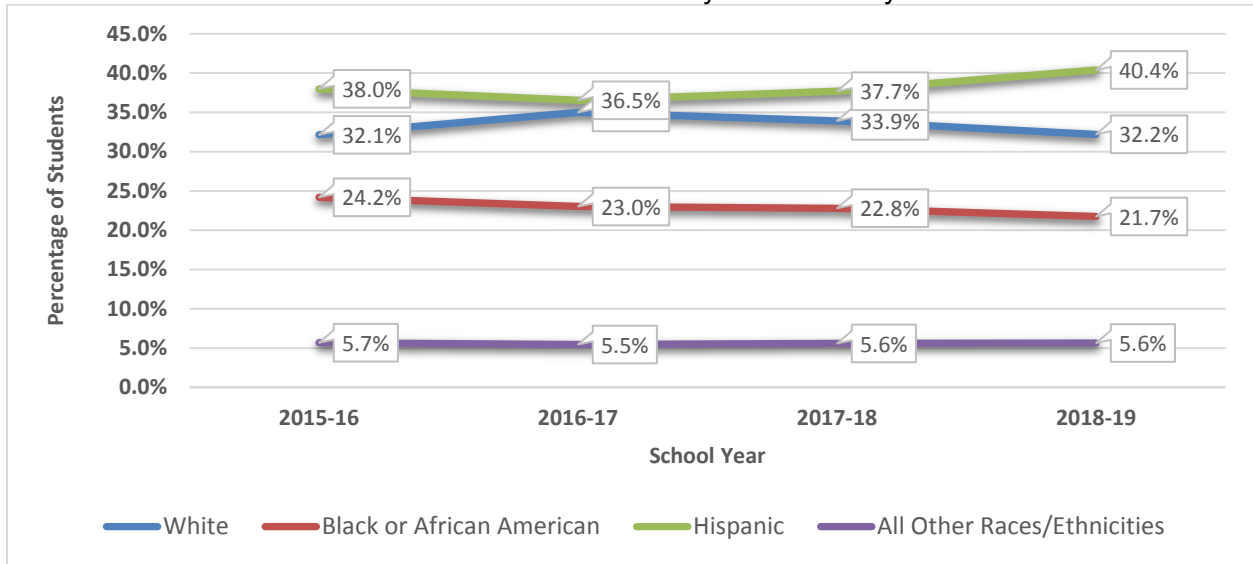
<sup>3</sup> Section 1008.44, Florida Statutes





### 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.























**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, 2018-19<sup>14</sup>

<b>Program Title</b>	<b>Total</b>
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

<sup>14</sup> 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, 2018-19<sup>15</sup>

<b>Program Title</b>	<b>Total</b>
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
<b>Total</b>	<b>2,616</b>

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

<sup>15</sup> 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, 2018-19<sup>16</sup>

<b>Professional Culinary Arts &amp; Hospitality</b>	
<b>Industry Certification</b>	<b># Earned</b>
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
<b>Digital Photography Technology</b>	
<b>Industry Certification</b>	<b># Earned</b>
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
<b>Digital Media/Multimedia Design</b>	
<b>Industry Certification</b>	<b># Earned</b>
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

<sup>16</sup> 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, 2018-19<sup>17</sup>

<b>Automotive Service Technology 1</b>	
<b>Industry Certification</b>	<b># Earned</b>
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	
<b>Automotive Service Technology</b>	
<b>Industry Certification</b>	<b># Earned</b>
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

<sup>17</sup> 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

<b>Dual Enrolled Industry Certifications Earned</b>	
<b>Industry Certification Title</b>	<b># Earned</b>
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

<b>Dual Enrolled Industry Certifications Earned</b>	
<b>Industry Certification Title</b>	<b># Earned</b>
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 Races<sup>18</sup> (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 Races<sup>21</sup> 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.

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