

Career & Technical Education Update



CTE Mission & Vision



CTE Vision Statement: Our goal is to prepare all CTE students to confidently and successfully transition into post-secondary college and career opportunities with 21st century skills, in order to compete in the global workforce.



CTE Mission Statement: Ector County ISD is committed to preparing CTE students to compete in the global workforce through rigorous academic and work-based learning programs centered around high-skill, high-wage, in-demand occupations.

Programs of Study Frameworks



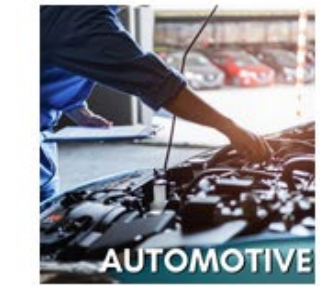
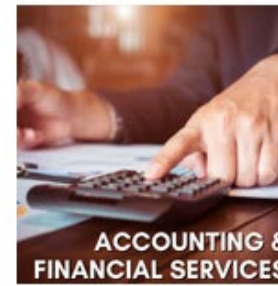
26 CTE Programs of Study



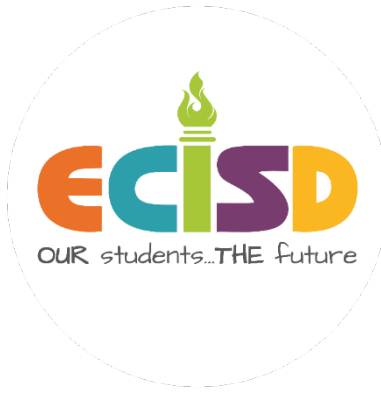
Aligned to In-demand & High Wage Occupations



4-Year Course Sequences



CTE Programs of Study



Accounting & Financial Services Statewide Program of Study

Business, Marketing, & Finance
Career Cluster

The Accounting and Financial Services program of study teaches students how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others.

Program of Study Course Sequences

Year	High School Course	Credits	Odessa College Course	Credits
1	Business Information Management I	1	BCIS 1305 Business Computers	3
	Money Matters	1		
2	Business Information Management II	1	POFT 1429 Keyboarding & Formatting	4
			POFI 2401 Word Processing	4
			POFI 1449 Spreadsheets	4
			POFI 2440 Advanced Word Processing	4
3	Principles of Business, Marketing & Finance	1	BUSG 1301 Introduction to Business	3
	Accounting I	1	ACCT 2301 Principles of Accounting*	3
			ACNT 1303 Intro to Accounting I	3
4	Financial Math	1	POFT 1425 Business Math – Technology	4
	Accounting II	1	BMGT 2310 Financial Management	3
			ACCT 2302 Principles of Accounting II*	3
			ACNT 1304 Intro to Accounting II	3
	Career Preparation I	2-3	POFT 1409 Administrative Office	4

Dual credit is available for courses in this Program of Study. Students interested in earning college credit should contact their counselor to ensure eligibility and registration in the appropriate dual credit course. Note: *TSI Math required

	Industry Certifications <ul style="list-style-type: none"> QuickBooks Certified Users Microsoft Office Expert – Excel Level 1 Administrative Office Certificate – Odessa College 	Learning Opportunities <ul style="list-style-type: none"> Business Professionals of America Student Organization Internship with a local accounting firm 	

Aligned Occupations

Occupations	Median Wage	Annual Openings	Growth
Accountants & Auditors	\$71,469	14,436	22%
Loan Officers	\$68,598	2,419	19%
Personal Financial Advisors	\$86,965	1,861	52%

Successful completion of the Accounting & Financial Services program of study will fulfill requirements of a Business and Industry endorsement. Revised – October 2022



CTE Programs of Study

Accounting & Financial Services

Level 1

Course Name	Credit	Course Number	Service ID	Location	Grade Level
Business Information Management I	1	8542	13011400	Regular: OHS & PHS	9-12
		4242 (Dual - Semester 1)		Dual: Online only through Odessa College	10-12
		4243 (Dual - Semester 2)			
Course Description: Students will apply technical skills to address business applications of emerging technologies, like the Microsoft Office Suite, including word-processing documents, spreadsheets, databases, and electronic presentations.					
Money Matters	1	8506	13016200	OHS & PHS	9-12
Course Description: Students will investigate money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate planning.					
Principles of Business, Marketing & Finance	1	8486	13011200	OHS & PHS	9-12
		4238 (Dual - Semester 2)			
Course Description: Principles of Business, Marketing, and Finance is a foundation course for Business, Marketing, and Finance students. In this course, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing.					

Level 2

Course Name	Credit	Course Number	Service ID	Location	Grade Level
Accounting I	1	8307 4492 (Dual - Semester 2) 4491 (Dual - Semester 2)	13016600	Regular: OHS & PHS Dual: OHS & PHS or online only through Odessa College	11-12
Course Description: In Accounting, students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information.					
Financial Math	1	6916 (Dual - Semester 2)	13018000	Dual: OHS & PHS	11-12
Course Description: Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. (Prerequisite: Algebra I)					

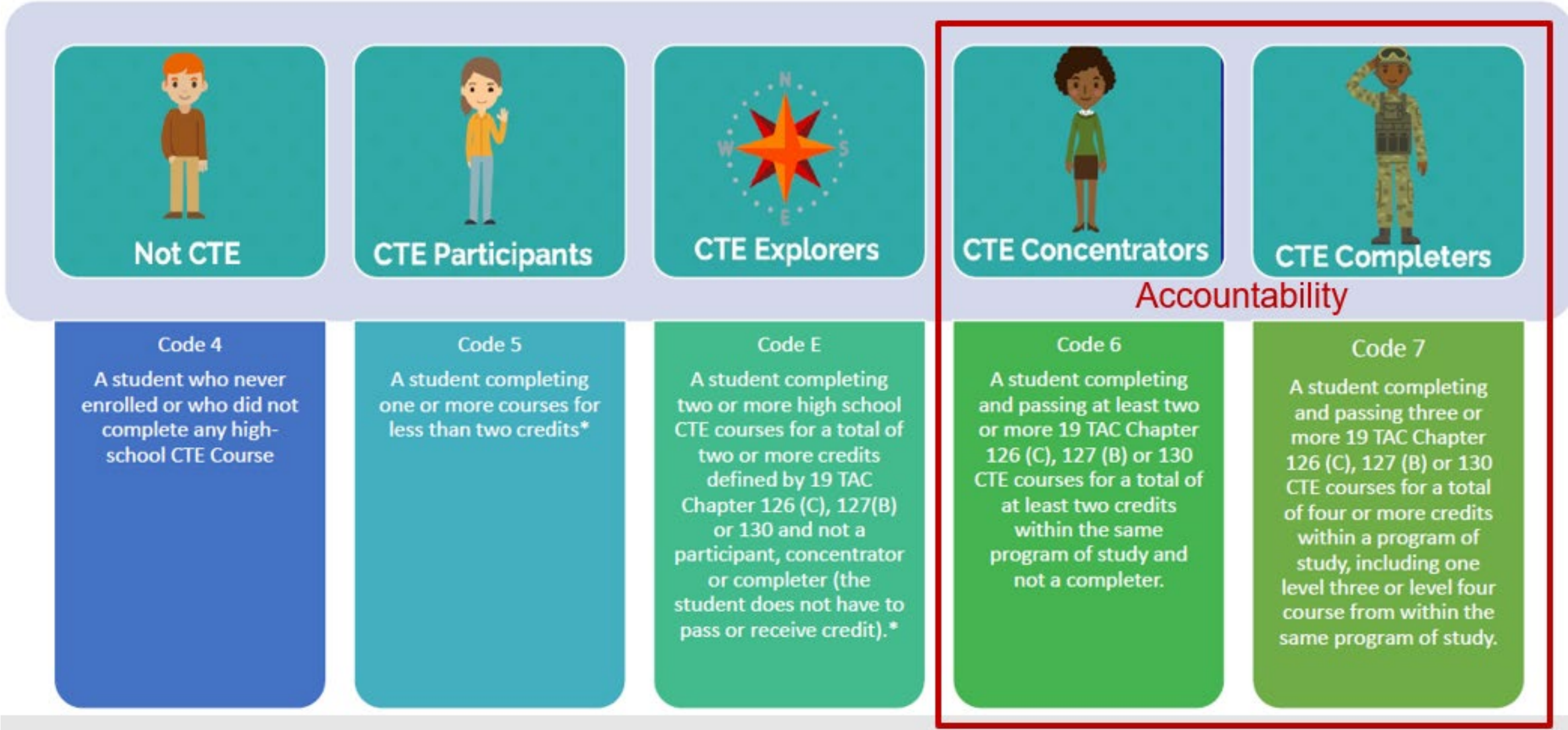
Level 3

Course Name	Credit	Course Number	Service ID	Location	Grade Level
Accounting II	1	8308	13016700	Regular: OHS & PHS	11-12
		4368 (Dual – Semester 2)		Dual: OHS & PHS or	
		4369 (Dual – Semester 2)		online only through Odessa College	
Course Description: Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. (Prerequisite: 8307 Accounting I)					

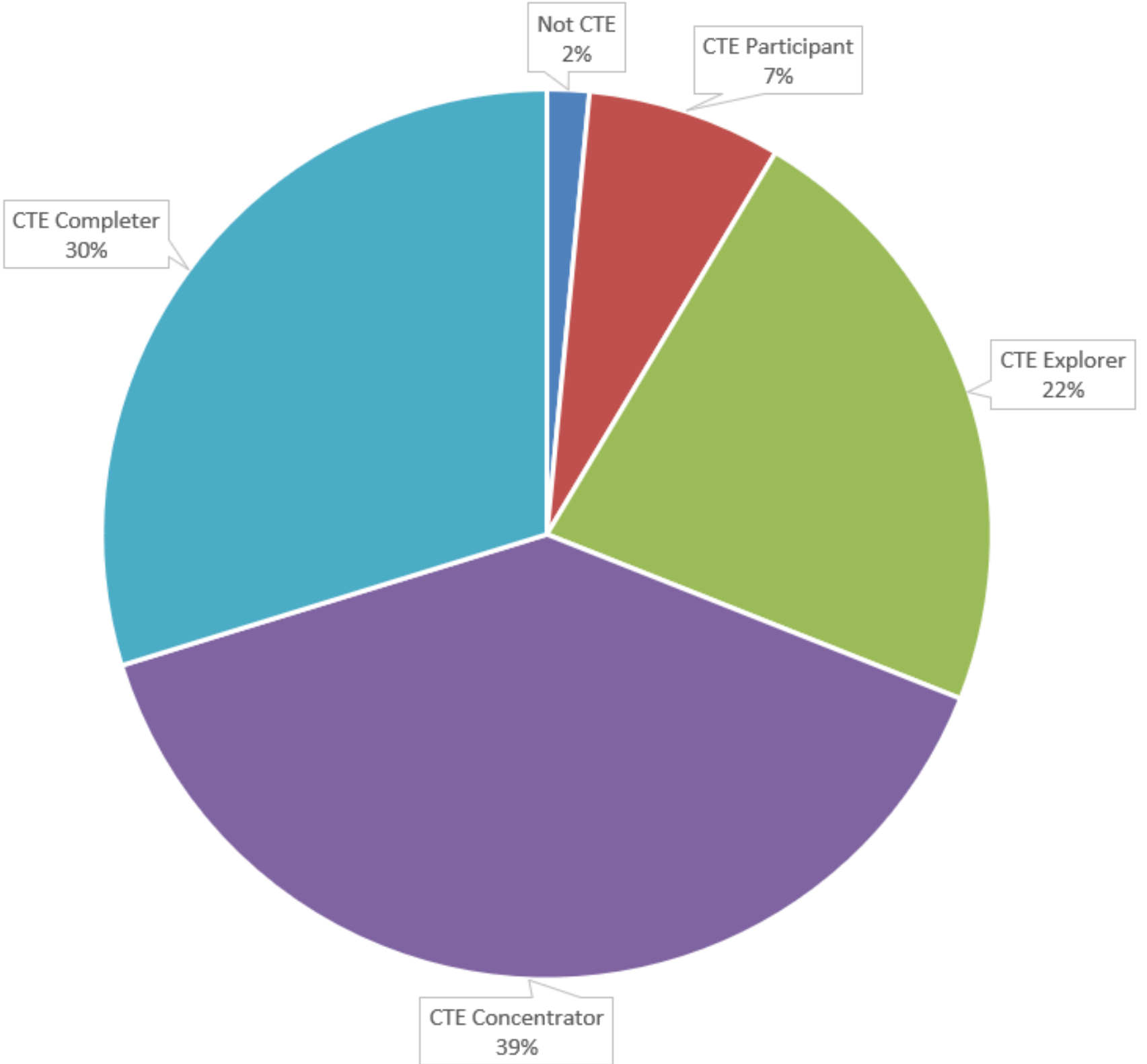
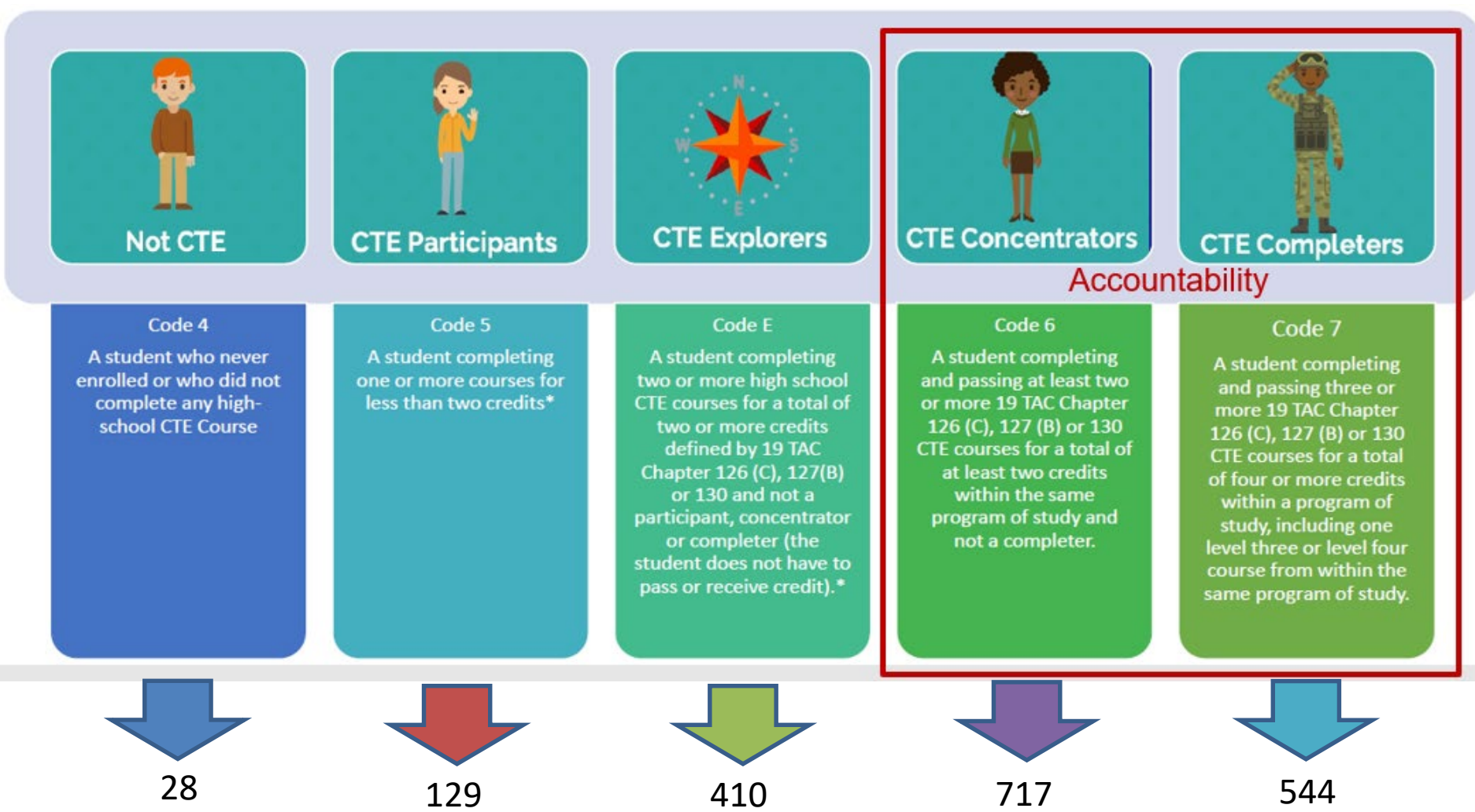
Level 4

Course Name	Credit	Course Number	Service ID	Location	Grade Level
Career Preparation I	2-3	8401 (2 credits)	12701300	OHS & PHS	12
		8403 (3 credits)	12701305		
		8402 (2 credits)	12701400		
		8404 (3 credits)	12701405		
Course Description: Career Preparation serves as a capstone work-based learning course for programs of study. It is a worksite learning course designed to provide training in specific Career Cluster related careers. Classroom learning and work-site learning provide career and related training by alternating group and individual instruction in the classroom with the work-site training experiences at an approved training station in the local community.					

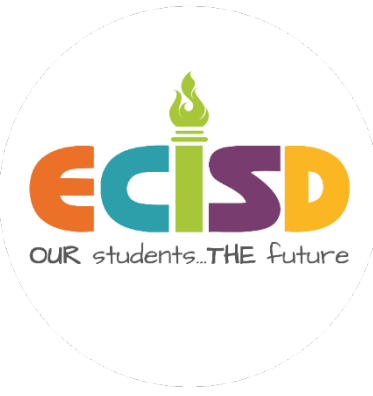
CTE Student Indicator Definitions



ECISD Graduating Class of 2022



ECISD Graduating Class of 2022



Accounting & Financial Services

Completers: 87
Concentrators: 269

1

Animal Science

Completers: 41
Concentrators: 93

2

Healthcare Diagnostics

Completers: 108
Concentrators: 12

3

Business Management

Completers: 30
Concentrators: 62

4

Welding

Completers: 44
Concentrators: 27

5

Engineering

Completers: 16
Concentrators: 35

6

Culinary Arts

Completers: 28
Concentrators: 17

7

Early Learning

Completers: 22
Concentrators: 20

8

Graphics Design & Multimedia

Completers: 19
Concentrators: 21

9

Bio-Medical Science

Completers: 26
Concentrators: 12

10

Automotive

Completers: 6
Concentrators: 29

11

Family & Consumer Services

Completers: 17
Concentrators: 12

12



Federal & State CTE Performance Data

Perkins Legislation & Performance Indicators



Carl D. Perkins Act is Federal legislation that aims to **improve the quality of Career & Technical Education** within the United States in order to **strengthen the economy**.












Provides funding and guidelines for States to follow for CTE programs.



School Districts are measured on CTE student performance on 9 indicators.

Perkins Performance Indicators

-  Four-Year Graduation Rate
-  Extended Graduation Rate
-  Academic Proficiency in Reading/Language Arts
-  Academic Proficiency in Mathematics
-  Academic Proficiency in Science
-  Post-Program Placement
-  Non-traditional Program Concentration
-  Program Quality – Recognized Postsecondary Credential
-  Program Quality – CTE Completer

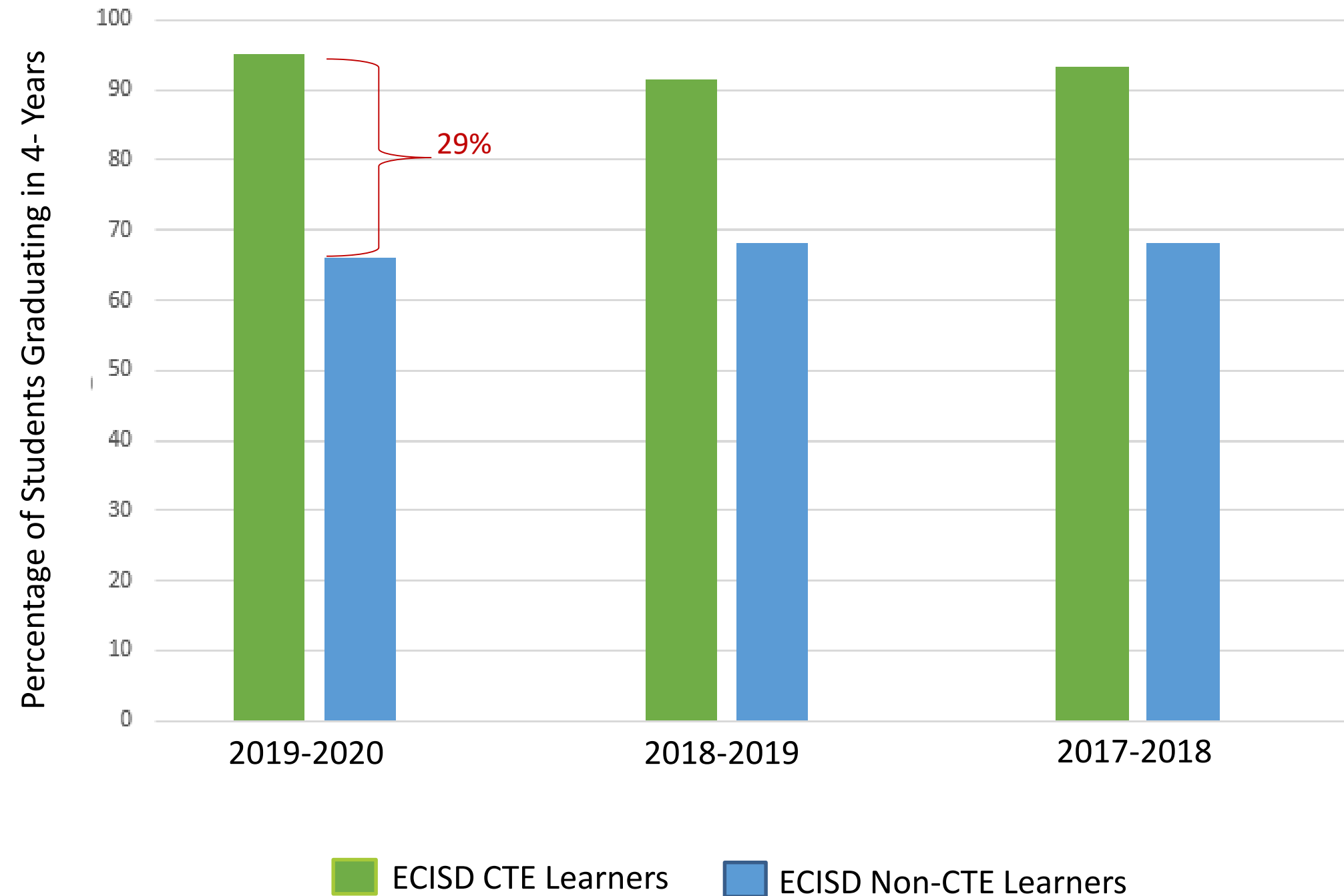
Emphasis is placed on analyzing disaggregated data to ensure no barriers exist and to make informed data-driven decisions for program improvement.

4 – Year Graduation Rates – ECISD 2020



CTE Concentrators & Completers

- 4-Year Graduation rate is 29% higher than all other students for the 2020 Graduates.
- 95% Graduation rate compared to 66%
- 3 years of data showing similar outcomes



CTE keeps students engaged in school & creates a sense of belonging

4 – Year Graduation Rates



Special Population showing the greatest impact from CTE



Students from economically disadvantaged families graduated at a 38.9% higher rate in 2020

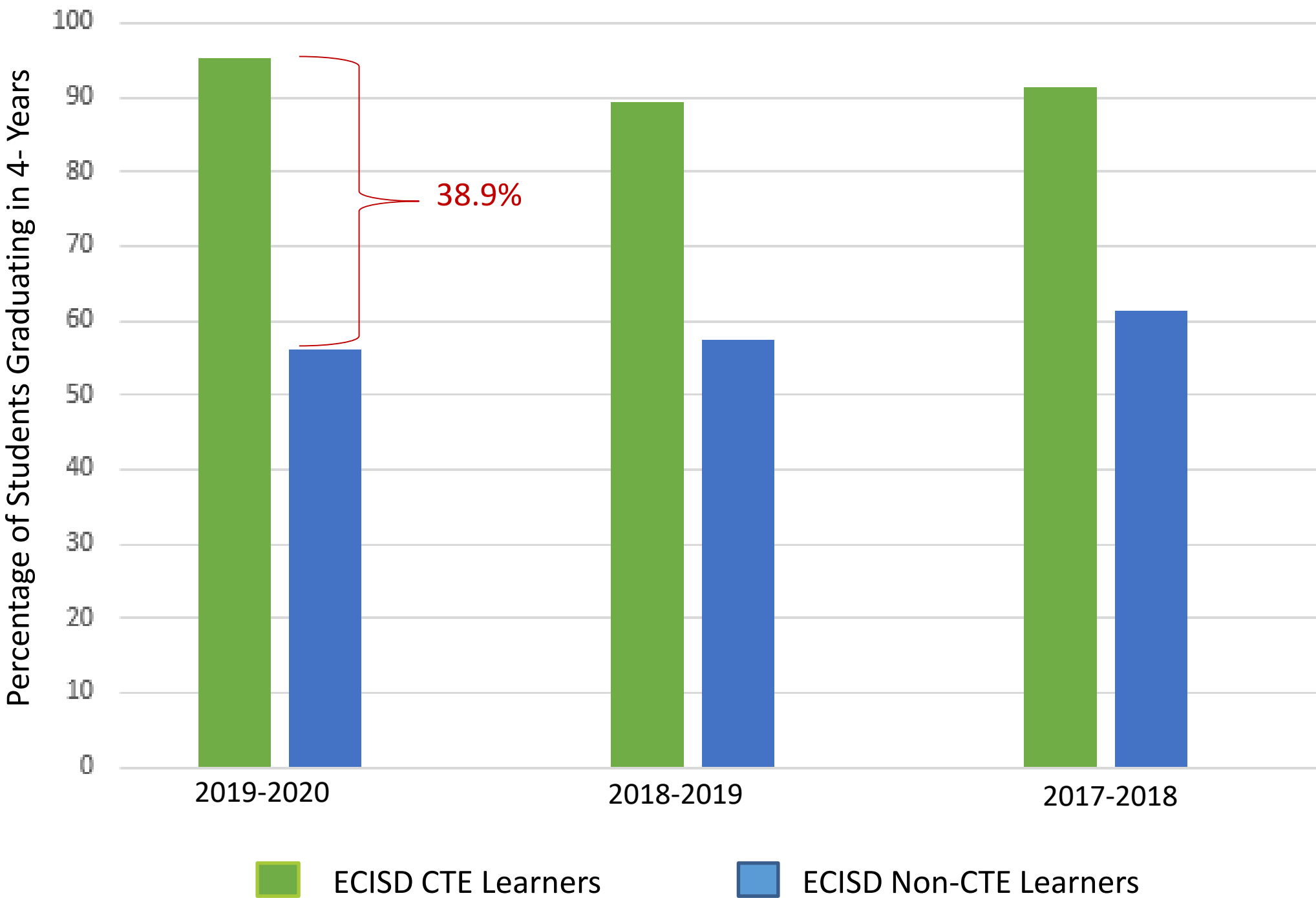


3 years of data showing similar outcomes



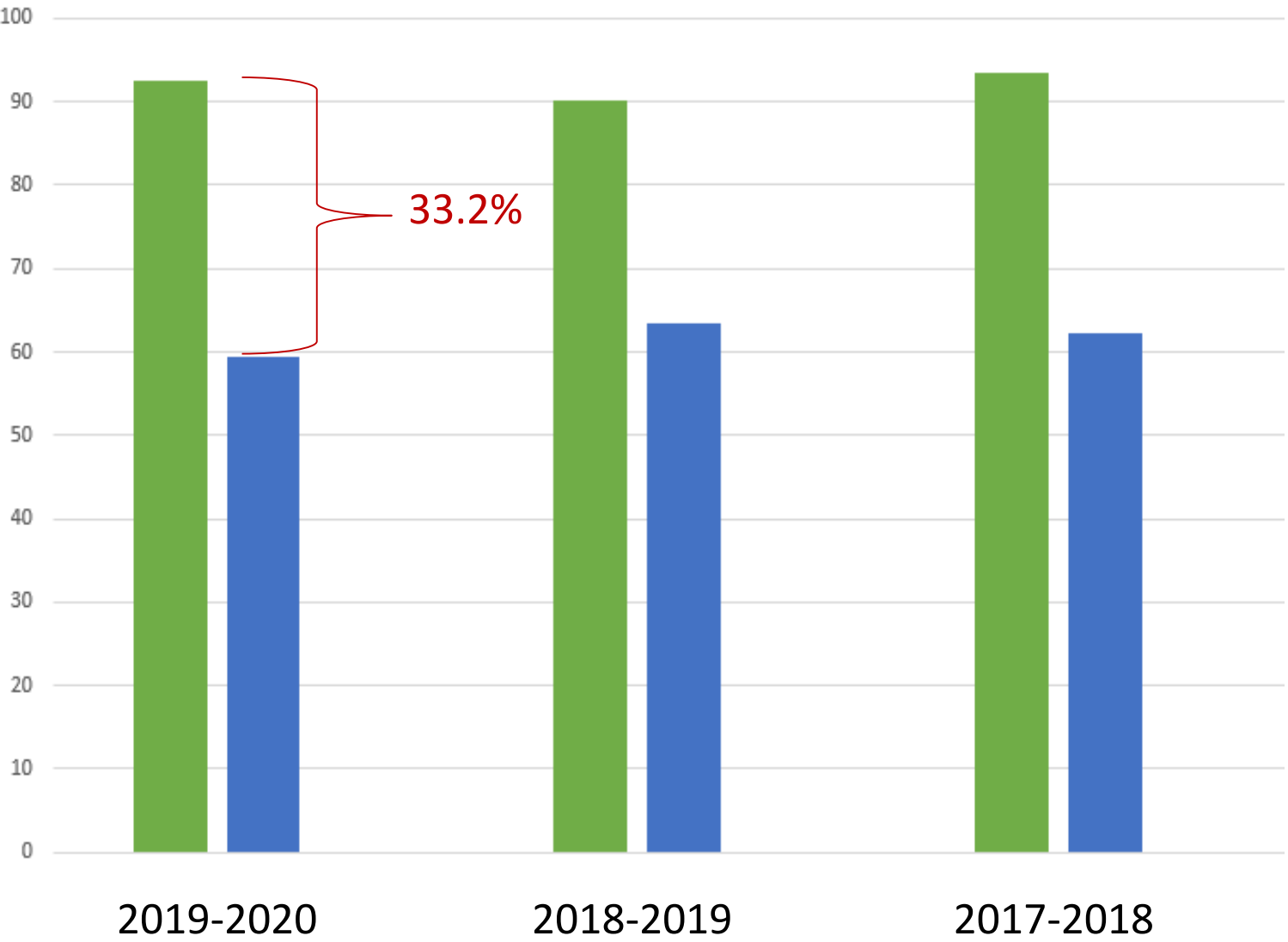
**Education
Equals Economics**

Individuals from Economically Disadvantage Families

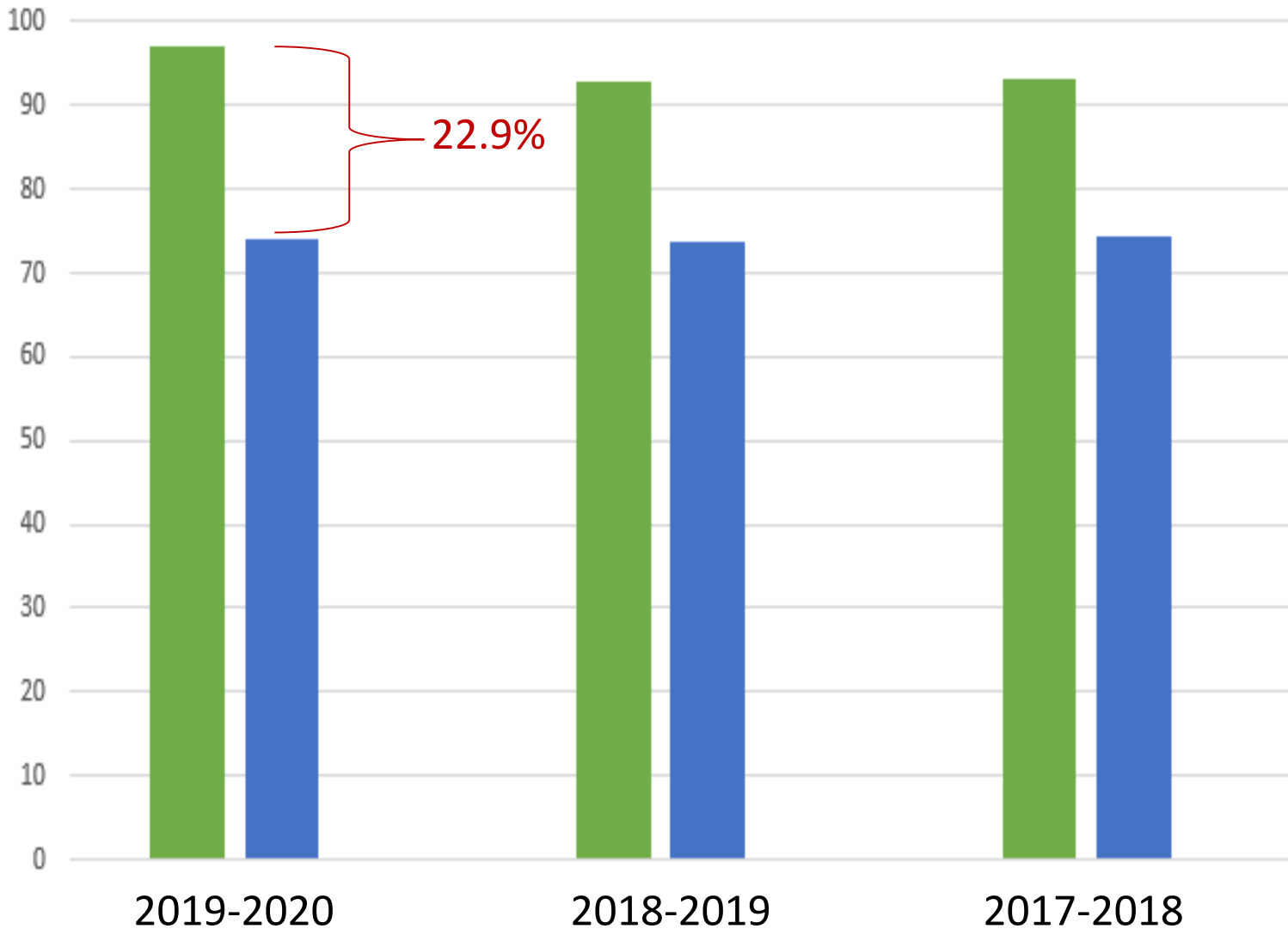


4 – Year Graduation Rates

4-Year Graduation Rate (Male)



4-Year Graduation Rate (Female)



 ECISD CTE Learners

 ECISD Non-CTE Learners

CTE Concentrators & Completers by Gender



Female students progressing through CTE Programs of Study at a higher rate



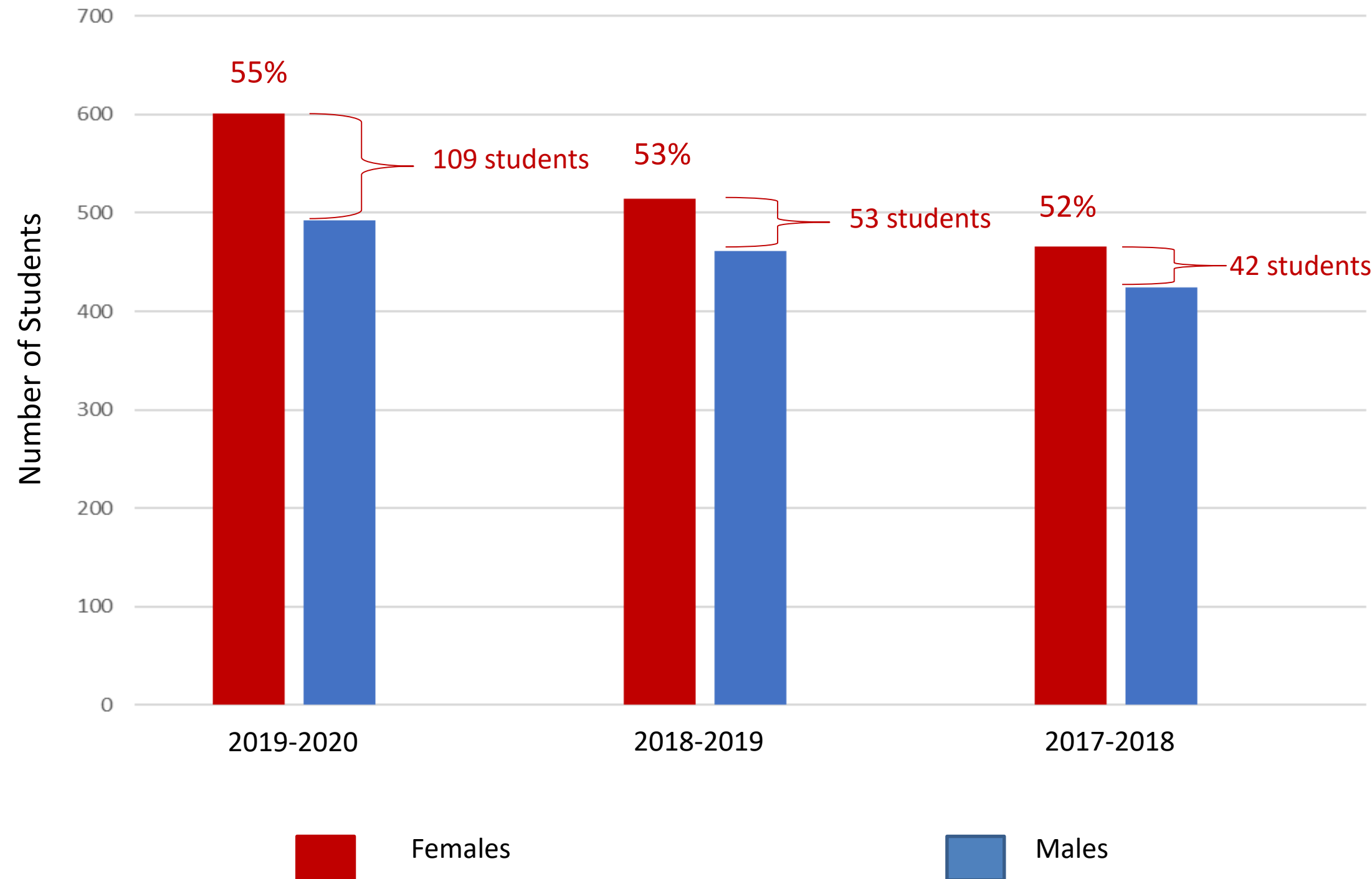
Data shows CTE has evolved to meet student interests



Impacts on Advising



Old Stereotype: CTE is for male students focused on trades



Post-Program Placement



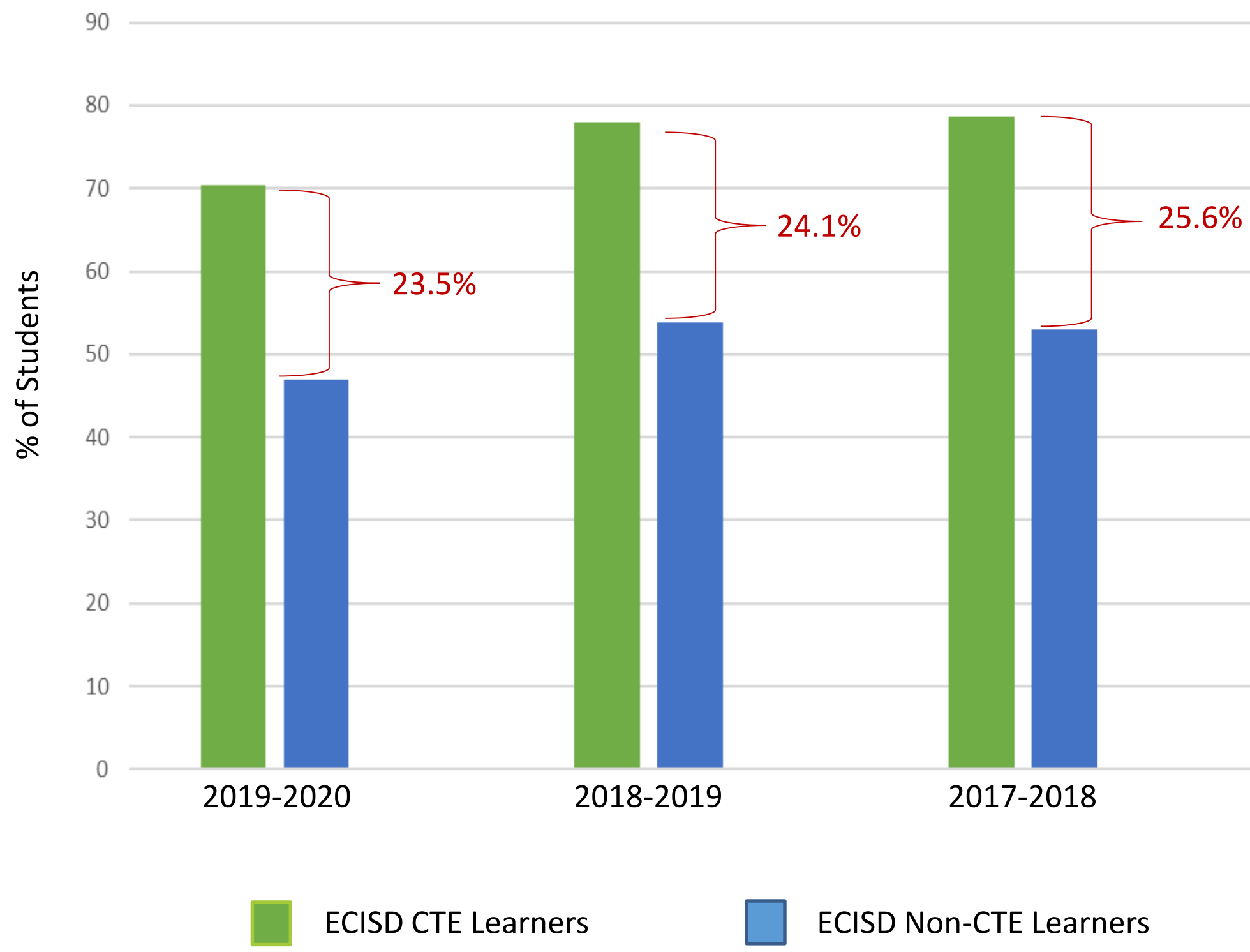
The percentage of CTE Learners who, in the second quarter after exiting from secondary education, are in postsecondary education, military service or are employed.



CTE Learners after high school are going to school & work at a higher rate.



CTE prepares students for postsecondary transitions



English I & II EOCs



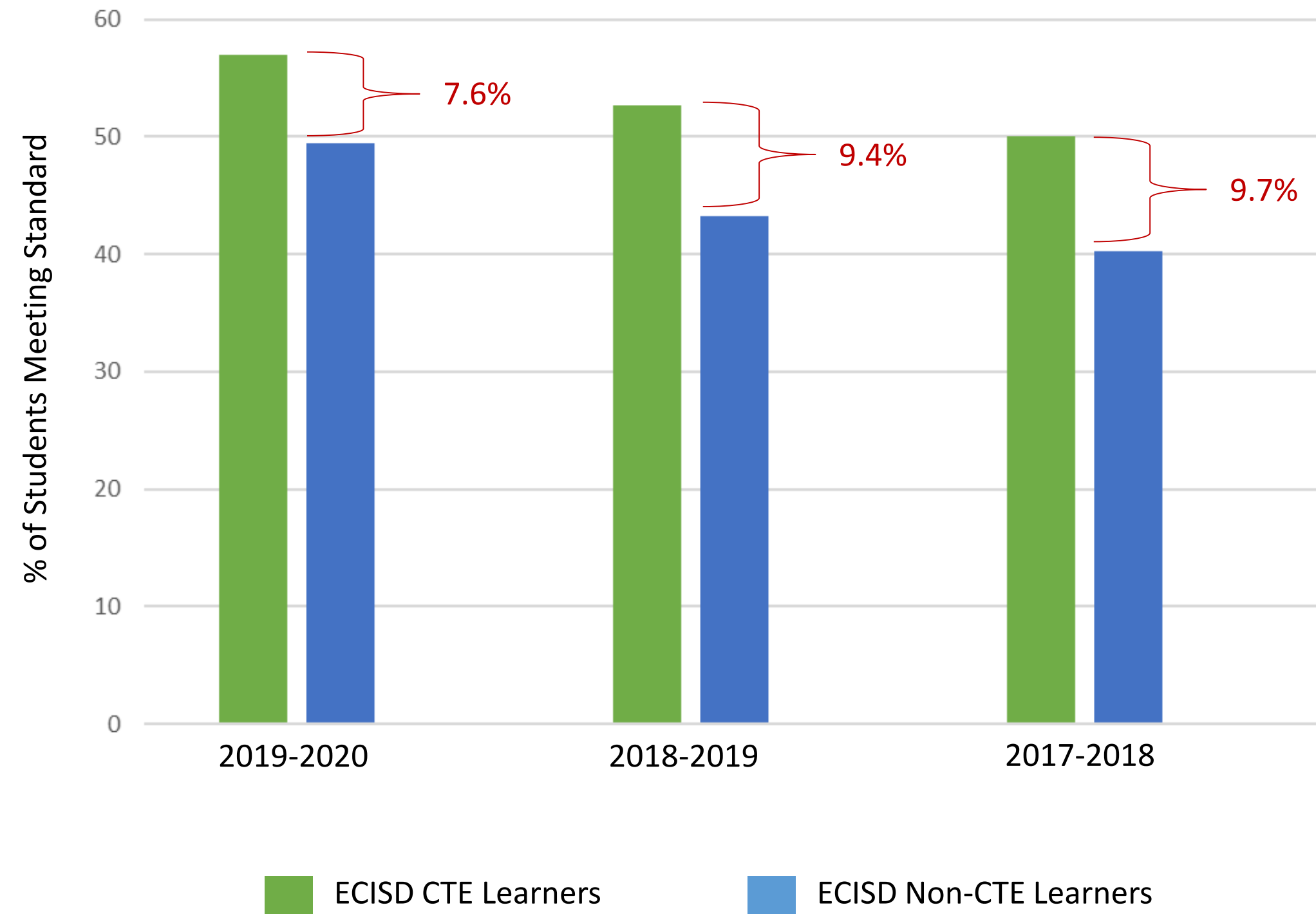
CTE Learners are performing at a higher level on English EOCs



CTE Learners maintained a higher rate as overall district scores improved



CTE expands vocabulary and provides opportunities to read & write within career interest areas



Algebra I EOCs



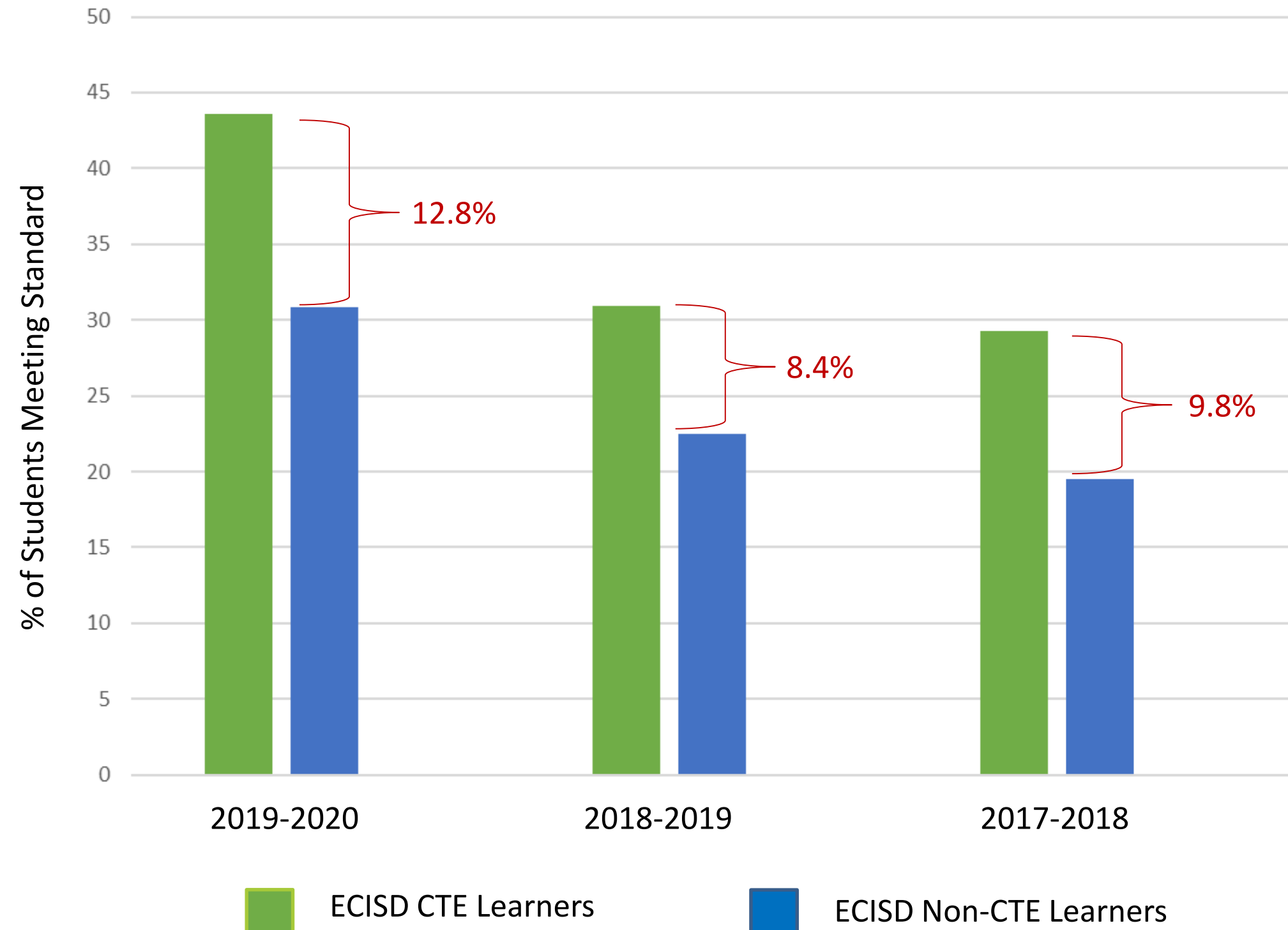
CTE Learners are performing at a higher level on Algebra I EOCs



CTE Learners maintained a higher rate as overall district scores improved



CTE takes abstract concepts and applies them to real world applications



Biology I EOCs



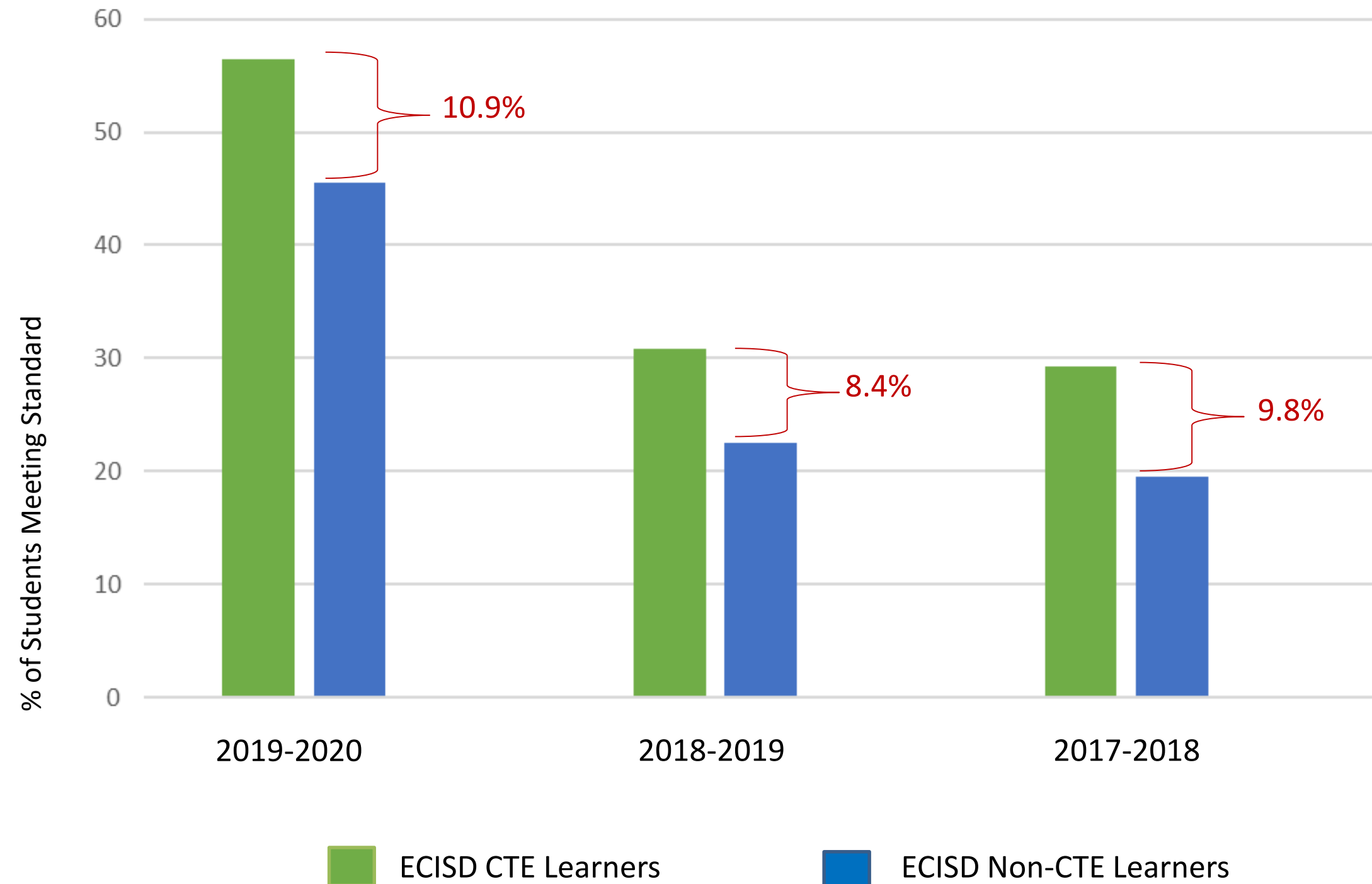
CTE Learners are performing at a higher level on Biology I EOCs



CTE Learners maintained a higher rate as the overall district scores improved



CTE offers STEM related programs of study giving students an enhanced science experience.





College, Career, & Military Readiness (CCMR) Indicators

College, Career, & Military Readiness (CCMR) Indicators

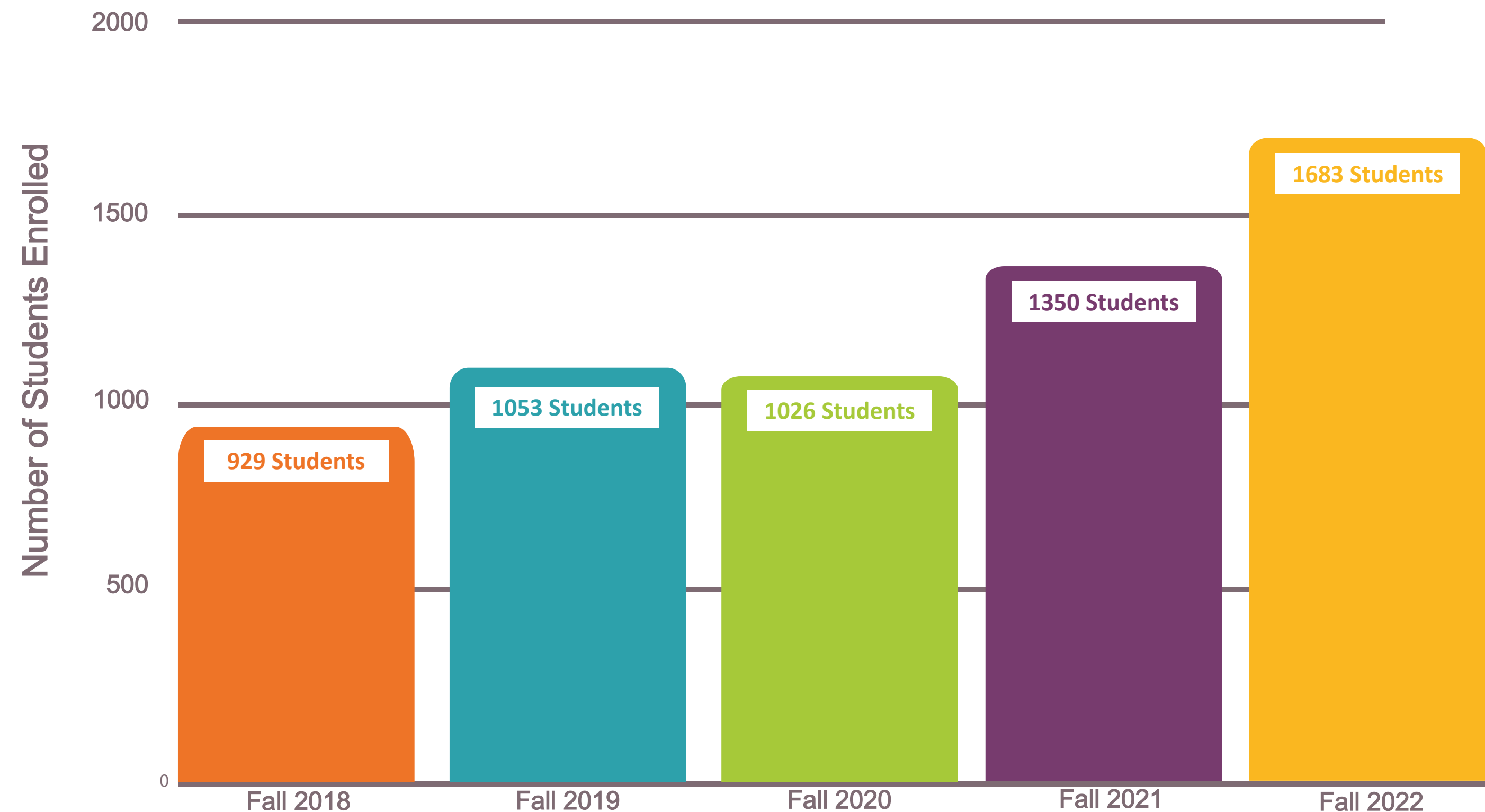
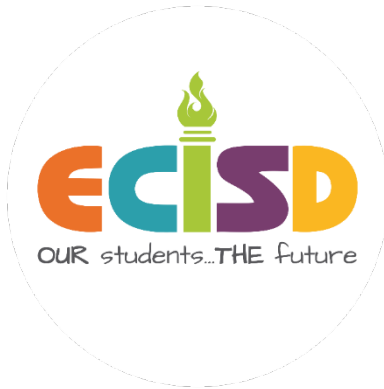
CTE Impact on CCMR for A-F Accountability

Earn 9 Credit Hours of Dual Credit

Earn an Industry-Based Certification

Earn a Level I or Level II Certificate

Odessa College CTE Dual Credit



*Unduplicated student count

OC CTE Dual Credit: Top 4 Programs by Enrollment

Welding	
Semester	Enrollment
Fall 2018	138
Fall 2019	151
Fall 2020	231
Fall 2021	252
Fall 2022	305

Office	
Semester	Enrollment
Fall 2018	0
Fall 2019	0
Fall 2020	57
Fall 2021	194
Fall 2022	279

Auto	
Semester	Enrollment
Fall 2018	90
Fall 2019	117
Fall 2020	91
Fall 2021	187
Fall 2022	251

Culinary	
Semester	Enrollment
Fall 2018	126
Fall 2019	261
Fall 2020	194
Fall 2021	144
Fall 2022	180

Industry-Based Certifications (Recognized by TEA)

Ag Science	2021-2022	2020-2021
Certified Veterinary Assistant	7	4
Texas State Floral Association Level I	11	6
Total	18	10

Construction	2021-2022	2020-2021
NCCER Carpentry Level 1	4	3
Total	4	3

Early Learning	2021-2022	2020-2021
Child Development Associate (CDA)	3	11
Total	3	11

Welding	2021-2022	2020-2021
AWS Welding (D1.1) Structural Steel	0	59
AWS Welding (D9.1) Sheet Metal Welding	177	0
NCCER Core Level I	71	68
AWS Sense Level 1: Entry Welder	31	0
Total	279	127

Auto	2021-2022	2020-2021
ASE Auto Service Technology	3	0
ASE Brakes	23	9
ASE Electrical & Electronic Systems	27	11
ASE Engine Repair	5	4
ASE Maintenance & Light Repair	8	13
ASE Suspension and Steering	4	1
Total	70	38

Cosmetology	2021-2022	2020-2021
Cosmetology Operator License	2	7
Total	2	7

Graphic Design	2021-2022	2020-2021
Adobe Illustrator	37	28
Adobe Photoshop	38	30
Adobe Premiere	5	7
Total	80	65

2021-2022 = 978 IBCs Earned
2020-2021 = 602 IBCs Earned

Business	2021-2022	2020-2021
Microsoft Office Word	353	245
Microsoft Word Expert	7	5
Microsoft Office Specialist Excel	37	8
Microsoft Office Expert Excel	1	0
QuickBooks Certified User	2	8
Total	400	266

Culinary	2021-2022	2020-2021
ServSafe Manager	48	24
Total	48	24

Health Science	2021-2022	2020-2021
Certified Nurse Aid (CNA)	6	6
Certified Clinical Medical Assistant	10	21
Medical Laboratory Assistant	22	0
Pharmacy Technician	3	0
Phlebotomy Technician	35	24
Licensed Vocational Nurse	1	0
Total	77	51

Proposed Accountability Changes Impacting IBCs

2022 Graduates



Industry-based Certification

CCMR Point

Accountability Rating:
August 2023

2023 Graduates



Industry-based Certification


+

Program of Study Course
(Level2)

CCMR Point


Accountability Rating:
August 2024

2024 Graduates



Industry-based Certification

+



Completing 2
courses for at
least 2 **credits**
within a specific
program of
study

CTE Concentrators

CCMR Point

Accountability Rating:
August 2025

2025 Graduates



Industry-based Certification

+



Completing at
least 3 courses
for at least 4
credits within a
specific program
of study

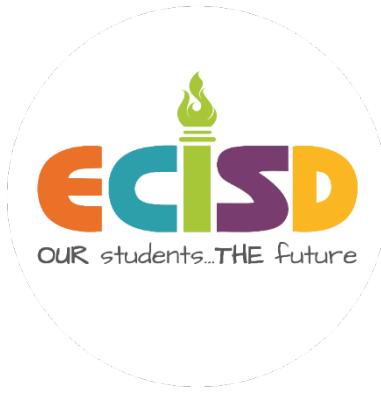
CTE Completers

CCMR Point

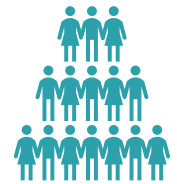
Accountability Rating:
August 2026

Microsoft Office Specialist for Word Phased Out

Effective Advising Event



8th Grade High School Program Fair
Tuesday, January 24th 2023 at
Odessa College



All 8th Grade students will have the
opportunity to participate



8th Grade Students will have the
opportunity to:

- Learn about the ECISD CTE Programs of Study
- Talk to high school students, teachers, and college faculty
- Make more informed decisions about their 4-Year Plans

Upcoming Activities



Energy Program of Study Regional Collaborative with the Education Partnership of the Permian Basin



Career Placement Fairs in Collaboration with the Workforce Board of the Permian Basin & ACCESS



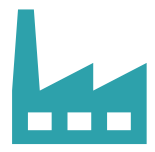
Texas Tech Health Science Center Middle School to Medical Doctor program



CTE Student Highlight



Marco Solis
OCTECHS Welding



Downhole Inspection Solutions

