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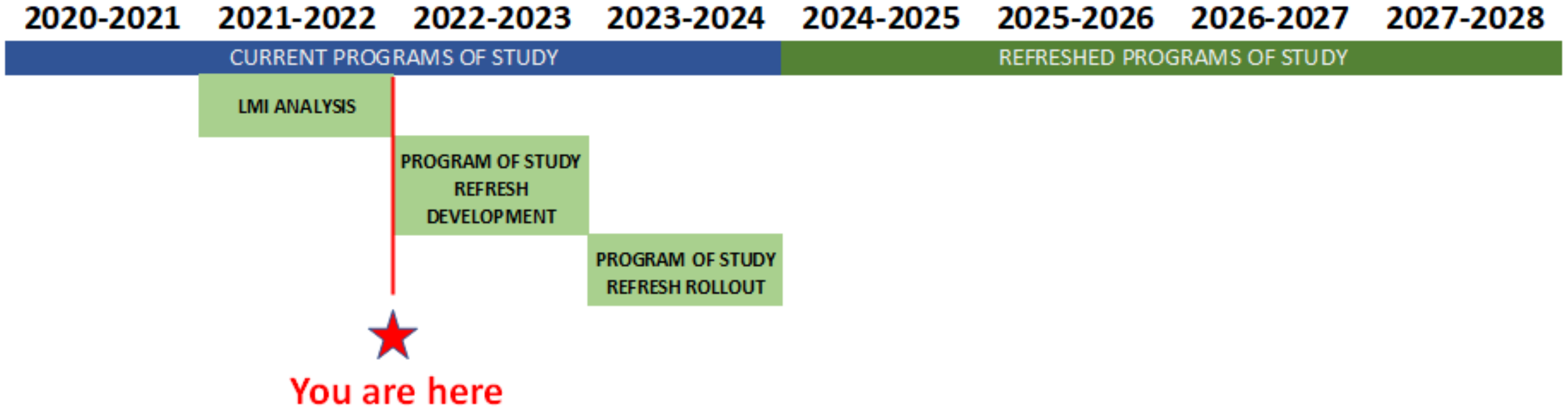
CTE Statewide Programs of Study

CTE Programs of Study

- Texas has 53 statewide programs of study in 14 career clusters
 - High wage
 - In-demand
 - High skill
- Texas currently has 8 regional programs study
 - Includes all LEAs in the Education Service Center Region.
 - Based on regional Labor Market Information
 - Applications for regional programs of study open every year.
 - Approved applications are good for four years



Programs of Study Refresh Timeline



Innovative Courses

Innovative Courses to Support Programs of Study - 2020

Advanced Court Systems
Applied Nutrition and Dietetics
Child Development Associate Preparation
Communication and Technology in Education
Computer Aided Drafting for Architecture
Concepts of Distribution & Logistics Technology
Entrepreneurship II
Foundations of Restaurant Management
Introduction to Dental Science
Introduction to Event and Meeting Planning
Introduction to Imaging Technology
Introduction to Pharmacy Science
Kinesiology I

Logistics Engineering
Marketing
Principles of Allied Health
Principles of Cloud Computing
Principles of Community Services
Principles of Diagnostic Healthcare
Principles of Exercise and Wellness
Principles of Health Informatics
Principles of Nursing
Principles of Therapeutic HealthCare
Programmable Logic Controller I
Sheet Metal
Tourism Marketing Concepts and Applications

Innovative Courses to Support Programs of Study - 2021

- Geographic Information Systems for Agriculture
- Practicum in Entrepreneurship
- Medical Intervention Evaluation and Research
- Kinesiology II
- Physical Therapy I
- Pharmacy I
- Practicum in Digital Audio Technology
- Programmable Logic controller II
- Science of Nursing
- Dental Anatomy and Physiology
- Clinical Ethics
- Allied Health Therapeutic services
- Practicum in Event and Meeting Planning
- Social and Community Services
- Imaging Technology I
- Programable Logic Controller II
- Introduction to Renewable Energy
- Introduction to Instrumentation and Electrical
- Optical Technician

Innovative Courses to Support Programs of Study - 2022

- Physical Therapy II
- Occupational Therapy I
- Occupational Therapy II
- IT Troubleshooting
- Imaging Technology II
- Dental Equipment and Procedures
- Practicum in Energy
- Advanced Instrumentation and Electrical

Industry-Based Certifications

IBC Reporting: Earned, Passed, and Attempted

Earned: Requires the state to account for high school students who earn an IBC as one indicator within the public school accountability system. HB22 (2017)

Passed: Reimbursement is provided once per high school student for any of the IBCs on the approved list if the student passed the exam. HB3 (2019)

Attempted: Perkins V – Texas must report progress toward indicators and any disparities, examine root causes.

*Beginning September 1, 2022.

IBC Reporting Timeline



Data Element	Used by PEIMS Sub 1	Used by PEIMS Sub 3
EFFECTIVE-DATE (TX-DateCertEarned)	Yes	Yes
POST-SECONDARY-CERTIFICATION- LICENSURE-CODE	Yes	Yes
POST-SECONDARY-CERTIFICATION-LICENSURE-RESULT	Yes	Yes
IBC-EXAM-FEE-AMOUNT	Yes	Yes
IBC-VENDOR-CODE	Yes	Yes

Type of Student	IBC Earned From	IBC Earned Through	2022-2023 Summer (Sub 3)	2022-2023 Fall (Sub 1)	2023-2024 Summer (Sub 3)	2023-2024 Fall (Sub 1)
Currently enrolled or 2023 graduate	Sept. 1, 2022	May 31, 2023	Report the IBC			
Currently enrolled or 2023 graduate	June 1, 2023	Aug. 31, 2023		Report the IBC		
Currently enrolled or 2024 graduate	Sept. 1, 2023	May 31, 2024			Report the IBC	
Currently enrolled or 2024 graduate	June 1, 2024	Aug. 31, 2024				Report the IBC



Release of 2022-2024 TEA Approved IBC List

The IBC list will be announced via listserv and placed on the TEA's CTE IBC webpage in the fall, alongside a suite of guidance and supports.

- The release of the new list will be accompanied by a sunseting policy for the current list.
- The new list is additive during the sunseting period.
- LEAs will be able to report IBCs from the previous list for both CCMR and reimbursement during the sunseting period.

IBC List Evaluation

- 873 unique IBCs sent to the Ray Marshall Center
- 8,830 responses to the surveys
- 579 IBCs determined to be industry recognized and valued, recommended for further evaluation of remaining criteria

Changes to the IBC Vendor Crosswalk

Names of IBCs

- IBC names have been updated to match the certifying entity's listings
- IBCs will retain the unique identifier if they were previously on the list
- New IBCs may be assigned a 3-digit or 4-digit unique identifier

Vendors

- For IBCs that have a set examination, certifying entities are listed rather than vendors
- This allows greater flexibility for LEAs to select the vendor, approved by the certifying entity, that meets students' needs
- Certifying entities will receive a unique identifier

Changes to the IBC Vendor Crosswalk (cont.)

Additional Information

- The date the IBC will be sunset (if applicable) will be listed on each line
- Certifying entity website addresses will be linked to the IBC name on the IBC Vendor Crosswalk so LEAs will have up-to-date information regarding qualifications to sit for an exam, cost, approved vendors, etc.
- It is the LEA's responsibility to review the IBC Certifying Entity Crosswalk and certifying entities' websites to ensure compliance annually

CCMR Accountability

Updated Indicators

Incorporate programs of study as required by statute, in alignment with industry-based certifications.

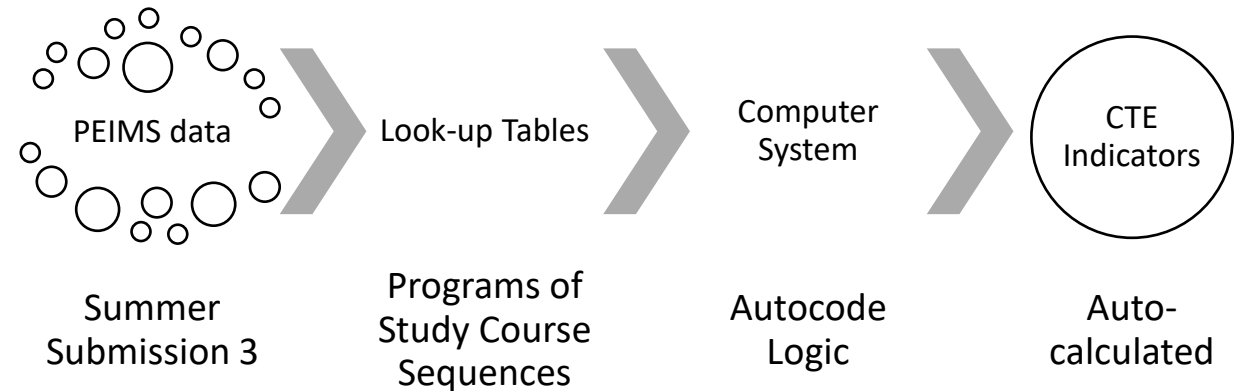
- Refreshed IBC list will be available Fall of 2022.
- Phase-in for aligned programs of study course Completers requirements is necessary to give schools time to adjust.

CTE Indicator Autocoding

What is CTE Indicator Autocoding?

In 2020-2021 TEA began autocoding CTE indicators

- Replaced district self-reported CTE indicator data
- Created new set of codes
- Utilized existing course completion data
- Created look-up tables and logic
- Used CTE indicators in state accountability and federal Perkins reporting



What are the Benefits of CTE Autocoding?

Workload reduction

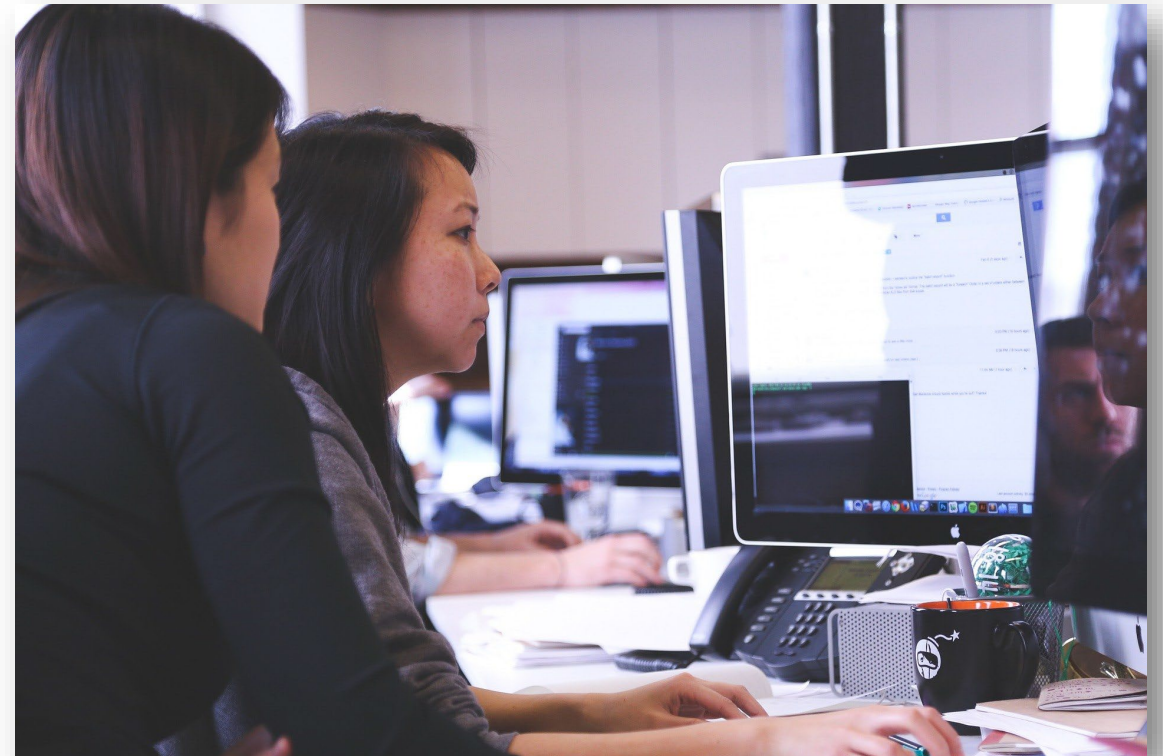
- Reduced local staff time (local course completion documentation, student plans, course enrollment information)
- Shifted work from estimating CTE indicators to verifying CTE course completion data

Equitable calculations

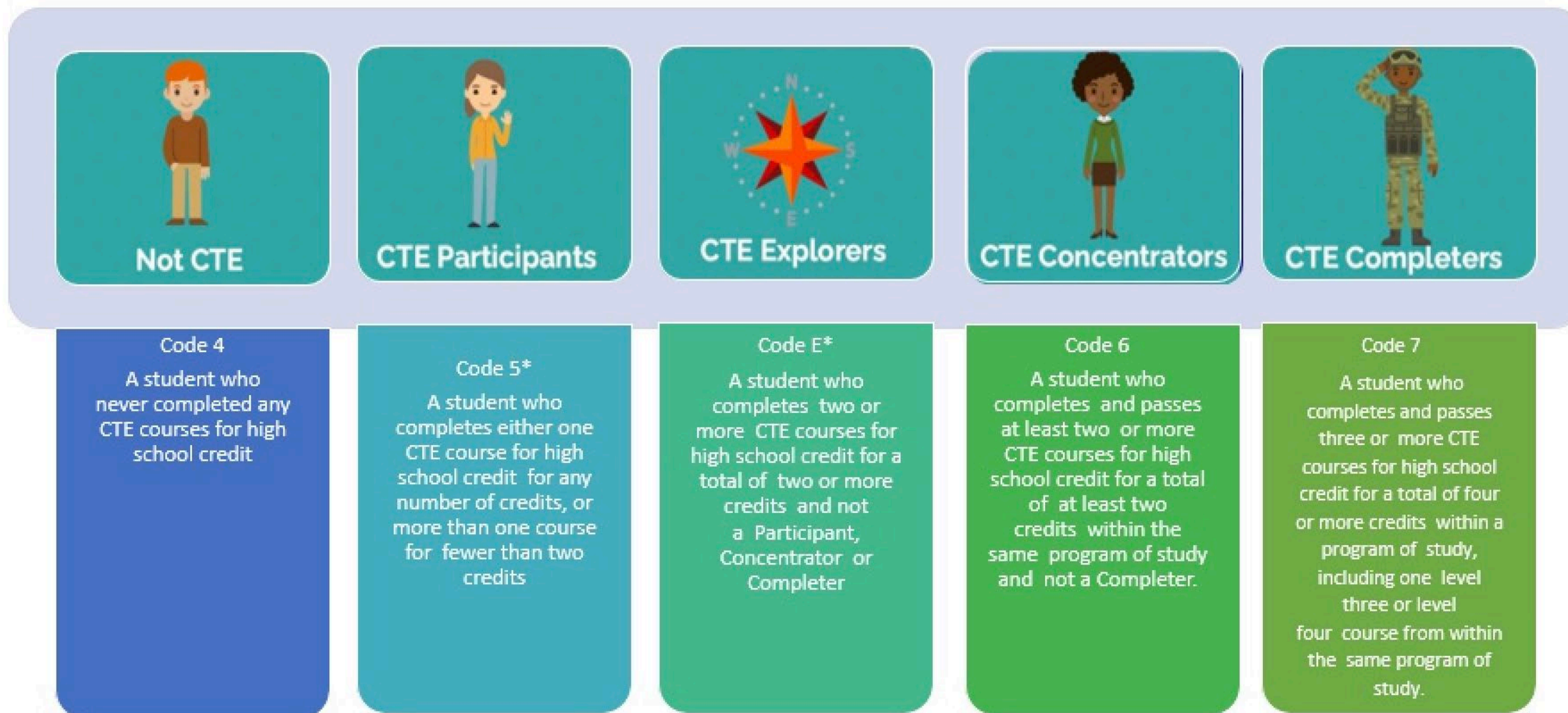
- Created uniformity for coding student status within districts and the state

Portability

- Followed students that transferred within the state



What are the CTE Indicator Codes?



*Students do not have to pass courses to be coded as a Participant or Explorer

Sample of TSDS PEIMS Data Elements Used

C022 SERVICE-ID

- Provides eight-digit codes and names to identify courses.

C135 COURSE-SEQUENCE-CODE

- In order for the course to count in calculations, it must be the last course in a sequence.

C136 PASS/FAIL-CREDIT-INDICATOR-CODE

- To count toward Concentrator/Completer status, students must complete, pass, and receive credit.

C220 PROGRAM-OF-STUDY-CODE

- Provides code set and names for statewide and regional programs of study.

C227 STATE-CAREER-CLUSTER-CODE

- Provides code set and names of state programs of study.

C135 COURSE-SEQUENCE-CODE

Code	Translation
0	One Semester Course
1	First Half Of A Two Semester Course
2	Second Half Of A Two Semester Course
3	First Third Of A Three Semester Course
4	Second Third Of A Three Semester Course
5	Last Third Of A Three Semester Course
6	First Fourth Of A Four Semester Course
7	Second Fourth Of A Four Semester Course
8	Third Fourth Of A Four Semester Course
9	Last Fourth Of A Four Semester Course
D0	Single Semester Dual Credit Course
D1	First Half of a Two Semester Dual Credit Course
D2	Second Half of a Two Semester Dual Credit Course
D3	First Third of a Three Semester Dual Credit Course
D4	Second Third of a Three Semester Dual Credit Course
D5	Last Third of a Three Semester Dual Credit Course
D6	First Fourth of a Four Semester Dual Credit Course
D7	Second Fourth of a Four Semester Dual Credit Course
D8	Third Fourth of a Four Semester Dual Credit Course
D9	Last Fourth of a Four Semester Dual Credit Course
A	Non-High School Year Long Course

C136 PASS/FAIL-CREDIT-INDICATOR-CODE

Code	Translation
1	Course Was Passed And Credit Was Received
2	Course Was Failed And No Credit Was Received - First Occurrence This School Year
3	Course Was Failed And No Credit Was Received - Second Occurrence This School Year
4	Course Was Passed, But Credit Was Not Received Due To Excessive Absences - First Occurrence This School Year
5	Course Was Passed, But Credit Was Not Received Due To Excessive Absences - Second Occurrence This School Year
6	Course Was Passed, But Credit Was Not Received (other parts of the course have not been taken)
7	Course Was Passed, But Credit Was Not Received (other parts of the course have been taken but not passed)
8	Course Was Failed, But Credit Was Received (other parts of the course have been passed and credit was awarded based on the grades in those parts)
9	Course Work Is Incomplete And No Credit Has Been Awarded
10	Course Was Passed, But Credit Was Not Received (course had previously been passed, and was repeated for better mastery)
11	Course Was Failed And No Credit Was Received - third occurrence this school year
12	Course Was Passed, But Credit Was Not Received Due To Excessive Absences - third occurrence this school year
13	Non-High School Course Passed
14	Non-High School Course Failed

New CTE Calculations

CTE Weighted Funding Survey



The first step in calculating CTE FTEs is adding up each student's V-codes.

- A. True
- B. False

Why is this important?

House Bill 1525 changed the calculations for Career and Technical Education funding.

- What has **not** changed?
- What has changed?
- Updates to TSDS PEIMS reports

CTE Funding Calculations Update

- ❑ The 87th Texas Legislature passed House Bill (HB) 1525, which amends state law related to weighted funding for students who take career and technical education (CTE) courses for high school credit.
- ❑ The legislation established that a district is entitled to weighted funding for each full-time equivalent student in average daily attendance in an approved CTE course in grades 7-12, beginning in the 2021-22 school year.
- ❑ This weighted tier funding for high school credit CTE courses will be calculated by the State Funding Division at TEA after the submission/resubmission closes and all aggregated data has moved to TEA's main database.
- ❑ A TAA Letter was sent on August 5, 2021, outlining this update: [August 5, 2021, TAA Letter](#)

Calculating CTE Funding

What has NOT Changed for PEIMS	What has NOT Changed for the State Funding Division
TSDS PEIMS will calculate CTE Contact Hours and FTEs during the promotion process.	The State Funding Division at TEA will perform funding calculations after the PEIMS Summer submission and/or resubmission closes, and aggregated data has moved to TEA's main database.
What Has Changed for PEIMS	What Has Changed for the State Funding Division
TSDS PEIMS will perform the Contact Hour and FTE calculations on Tier 1, Tier 2, and Tier 3 CTE Service ID courses separately.	The State Funding Division will calculate the funding on Tier 1, Tier 2, and Tier 3 FTEs separately with the specified Tier Weight for each Tier.

Tiered CTE Funding

House Bill 1525 (87th Texas Legislature) amended state law related to weighted funding for students enrolled in career and technical education (CTE) courses for high school credit.

Weighted Funding	Definition
1.1	High school CTE courses not in an approved Program of Study
1.28	Levels one and two CTE courses in an approved Program of Study, as identified by TEA
1.47	Levels three and four CTE courses in an approved Program of Study, as identified by TEA

- Began 2021-2022 SY
- Earned for each FTE in average daily attendance; V-Codes 1-3
- Applies to grades 7 through 12

Alpha Listing of All CTE Courses

Alphabetic Listing of CTE Courses with Weights

Course ID	Course Title	Funding Tier	Funding Weight
3580510	3-D Modeling and Animation	3	1.47
13036800	AC/DC Electronics	2	1.28
13016600	Accounting I	2	1.28
13016700	Accounting II	3	1.47
13000700	Advanced Animal Science	3	1.47
N1302813	Advanced Cloud Computing	3	1.47
13022650	Advanced Culinary Arts	3	1.47
13001200	Advanced Energy and Natural Resource Technology	3	1.47
13001210	Advanced Energy and Natural Resource	3	1.47
N1300270	Advanced Floral Design	3	1.47
N1303016	Advanced Legal Skills and Professions	3	1.47
13034700	Advanced Marketing	3	1.47
13002100	Advanced Plant and Soil Science	3	1.47
N1304667	Advanced Shipboard Engineering	3	1.47
N1302814	Advanced User Experience Design	3	1.47
N1300995	Advanced Video Game Programming	3	1.47
13034200	Advertising	3	1.47

CTE Funding Requirements

Student Attendance Accountability Handbook

Section 5.5 CTE (Contact Hour) Codes

CTE Course's Average Minutes per Day	CTE Code
45–89	V1
90–134	V2
135–180+	V3

Each CTE course must be reviewed separately to determine the average minutes per day students attend that course in a 10-school day period.

V1= 45 minutes minimum per class period and at least 450 minutes over two weeks.

New Sub-Complex Type

- ❑ Added new sub-complex type to collect CTE attendance data:
 - SpecialProgramsReportingPeriodAttendanceExtension
 - **TX-CTEMultiplier** with the existing data elements:
 - SERVICE-ID
 - ELIGIBLE-DAYS-PRESENT V1-V3



**	TX-CTEMultiplier	TX-CTEMultiplier				Y				
E0724	SERVICE-ID	ID				C		8	Coded	C022
E0950	ELIGIBLE-DAYS-PRESENT-V1	TX-CTEEligibleDaysPresentV1				Y		5	Numeric	
E0951	ELIGIBLE-DAYS-PRESENT-V2	TX-CTEEligibleDaysPresentV2				Y		5	Numeric	
E0952	ELIGIBLE-DAYS-PRESENT-V3	TX-CTEEligibleDaysPresentV3				Y		5	Numeric	
E1696	RS-ELIGIBLE-DAYS-PRESENT-V1	TX-RSCTEEligibleDaysPresentV1				Y		5	Numeric	
E1697	RS-ELIGIBLE-DAYS-PRESENT-V2	TX-RSCTEEligibleDaysPresentV2				Y		5	Numeric	
E1698	RS-ELIGIBLE-DAYS-PRESENT-V3	TX-RSCTEEligibleDaysPresentV3				Y		5	Numeric	
E1702	RA-ELIGIBLE-DAYS-PRESENT-V1	TX-RACTEEligibleDaysPresentV1				Y		5	Numeric	
E1703	RA-ELIGIBLE-DAYS-PRESENT-V2	TX-RACTEEligibleDaysPresentV2				Y		5	Numeric	
E1704	RA-ELIGIBLE-DAYS-PRESENT-V3	TX-RACTEEligibleDaysPresentV3				Y		5	Numeric	

Tier Weighted Funding Calculations

- ❑ TSDS PEIMS will categorize the FTE totals by tier so that the State Funding Division will know which tier weight to apply to the district-level data that is received from PEIMS.
- ❑ TEA's State Funding Division will calculate the weighted tier funding for CTE courses after the submission/resubmission closes and aggregated data has moved to TEA's main database.

Sample CTE FTE Calculations

Contact Hour Calculations

V1 Eligible Days Present in Tier 1 CTE Service IDs \times Contact Hour Multiplier = V1 Tier 1 Contact Hours

V2 Eligible Days Present in Tier 1 CTE Service IDs \times Contact Hour Multiplier = V2 Tier 1 Contact Hours

V3 Eligible Days Present in Tier 1 CTE Service IDs \times Contact Hour Multiplier = V3 Tier 1 Contact Hours

Add V1 Tier 1 $+$ V2 Tier 1 $+$ V3 Tier 1 for total Tier 1 Contact Hours.

*This calculation is repeated for Tier 2 and Tier 3 and is the same for In Person, RS, and RA. The three CTE FTE calculations are calculated by campus, track and reporting period.

CTE FTE Calculations

Total Tier 1 Contact Hours \div (Days Taught \times 6 hours) = Tier 1 CTE FTEs

Total Tier 2 Contact Hours \div (Days Taught \times 6 hours) = Tier 2 CTE FTEs

Total Tier 3 Contact Hours \div (Days Taught \times 6 hours) = Tier 3 CTE FTEs

*The calculations are the same for In Person, RS, and RA. The three CTE FTE calculations are calculated by campus, track, and reporting period.

Service ID 13022650

- ❑ Remember, funding is based on the Service ID for each CTE course. Course Levels and Tier Weights are assigned according to the Service ID.
- ❑ Service ID 13022650 is in a POS and the CTE Funding Tier is 3.

Course ID	Course Title	Funding Tier	Funding Weight
13022650	Advanced Culinary Arts	3	1.47

- ❑ The PEIMS calculation outputs CTE FTE totals by tier and are performed during promotion.
- ❑ This example is for one student participating in this course in 1st sixweeks.

Calculating CTE Contact Hours

Course Service ID 13022650	
Course 13022650 is taught for 45 minutes a day and is a Tier 3	V1
30 days taught in 1 st sixweeks	
Eligible Days Present for this student for this course <i>(Student had 1 absence during this sixweeks period.)</i>	29
V1 course multiplier = 1	× 1
CTE Tier 3 Contact Hours for 1 st six weeks for this course for this student	29

Calculating CTE FTE

Course Service ID 13022650	
CTE Contact Hours for this course for 1 st sixweeks	29
Contact Hours ÷ (Days taught × 6 hours)	$29 \div (30 \times 6)$ $29 \div 180 = 0.1611$
CTE Tier 3 FTE for this course for 1 st six weeks for this student	0.161

Webinar Evaluation



Please use this QR code to access and complete a short webinar evaluation.

TEA Career and Technical Education Team



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Statewide CTE Director



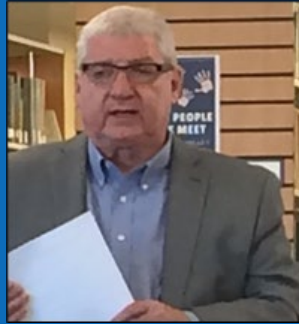
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Career Clusters
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-Hospitality and Tourism
-Human Services



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-Autocoding
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-Architecture and Construction
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[TEA CTE Website](#)