

CTE Auto-Calculation

Background: House Bill 3

Federal Perkins legislation that governs state and local CTE programs using federal funds was reauthorized and signed into federal law on July 31, 2018.

The current method Texas uses to meet previous Perkins IV reporting requirements is insufficient to meet Perkins V reporting requirements.

Perkins V requires State Education Agencies to report specific CTE indicators that are defined differently than what was previously outlined in Perkins IV.

➤ Data Removed from PEIMS Collections

CTE information has been removed from the **PEIMS Fall Submission**.

Districts will no longer report the CTE Indicator for individual students.

- In order to meet the legislation requirements, the **StudentProgramExtension** complex type was modified to remove the following data element:
 - E0031 CAREER-AND-TECHNICAL-ED-IND-CD (TX-CareerAndTechnologyEd)
- The **StudentCTEProgramAssociationExtension** Complex Type was removed from the PEIMS Fall Submission and instead will be reported in the PEIMS Summer Submission.
- Sunset of the **CareerAndTechnicalEducationCourseExtension** complex type from TEDS.

➤ **New CTE Process**

Beginning in the 2020-2021 school year, TEA will calculate the appropriate Career and Technical (CTE) Indicator code(s) to assign to each student that does or does not participate in a CTE program. The data used for this calculation will include:

- course completion records from the PEIMS Summer submission.
- where the student's **Course Sequence Code is 0, 2, 5, or 9 and Pass/Fail Indicator is 1.**

The data will be stored to a table in TEA's main database that includes

- the calculated CTE Indicator
- Program of Study Indicator (as defined by CCMP division)
- Statewide or Regional Program of Study Indicator
- State Career Cluster ID and
- Federal Career Cluster ID.

**Information regarding Programs of Study or Career cluster can be found on the Career and Technical Education webpage <https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education>.

➤ Data Collection

StudentProgramExtension Complex Type

CAREER-AND-TECHNICAL-ED-IND-CD (E0031)

The CAREER-AND-TECHNICAL-ED-IND-CD is a calculated value based on the student’s course completion data for all years in which the student could have taken a CTE course. The CAREER-AND-TECHNICAL-ED-IND-CD will be calculated for all students in grades 06-12.

The CAREER-AND-TECHNICAL-ED-IND-CD is calculated once the PEIMS Summer Submission is in the Accepted status for all LEAs. Reports that display the calculated value will be available approximately two weeks after each submission closes.

State and Federal Clusters are assigned to each program of study and are used for reporting purposes.

➤ Code Tables – New Codes & Deleted Codes

Code Table C142 has been updated as follows:

- Codes 0, 1 & 2 are **deleted** from the table
- Codes 4, 5, E, 6 & 7 are **added** to the table

Code Table ID	Name	XML Name	Date Issued	Date Updated
C142	CAREER-AND-TECHNICAL-ED-IND-CD	TX-CareerAndTechnologyEdType	3/3/1993	3/2/2020
Code	Translation			
0	Not Enrolled in a CTE Course			
1	Enrolled in a CTE Course A student in grades 6-8 who is taking a CTE course as of the fall snapshot date or completed a CTE course by the end of the school year. A student in grades 9-12 who is taking a CTE course as of the fall snapshot date or completed a CTE course by the end of the school year, and the student's 4-year plan of study does not outline a coherent sequence of courses in CTE.			
2	Participant In A Coherent Sequence Of Courses A student in grades 9-12 who is enrolled in a sequential course of study, which develops occupational knowledge, skills, and competencies relating to a CTE program of study. The student must have a 4-year plan of study to take 2 or more CTE courses for 3 or more credits.			
4	Not CTE A student who never enrolled or who did not complete any high-school CTE course as defined by 19 TAC Chapter 126 (C), 127 (B) or 130.			
5	CTE Program Participant A student completing one, but not two or more high-school CTE program courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for two or more credits (the student does not have to pass or receive credit).			
E	CTE Program Explorer A student completing two or more high-school CTE program courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for at least two credits, and not a participant, concentrator or completer.			
6	CTE Program Concentrator A student completing and passing two or more high-school CTE program courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for at least two credits within the same program of study and not a completer.			
7	CTE Program Completer A student completing and passing three or more high-school CTE program courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for four or more credits within a program of study, including one level 3 or level 4 course from within the same program of study .			

Notes:

- (1) The values listed in C142 are calculated values and not submitted to TEA.
- (2) Not all high-school CTE program courses are associated to a Program of Study. Go to this link

CTE Codes 6 and 7:

Course completion records must have a Course Sequence Code of 0, 2, 5, or 9 and a Pass/Fail Indicator of 1 to be considered in the calculation. Additionally, only certain CTE courses are considered when determining Concentrators (Code 6) and Completers (Code 7). The list of valid service ids can be found on the following link: <https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/approved-cte-programs-study>.

- **CTE Program Concentrator (Code 6)** are students completing and passing two or more high-school CTE program courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for at least two credits **within the same program of study** and not a completer.
- **CTE Program Completer (Code 7)** are students completing and passing three or more high-school CTE program courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for four or more credits within a program of study, including one level 3 or level 4 course from **within the same program of study**.

Note: One student may be a concentrator or completer in more than one program of study. One student may be a concentrator in one or more programs of study and also a completer in one or more programs of study.

CTE Codes 5 and E:

Course completion records must have a Course Sequence Code of 0, 2, 5, or 9 to be considered in the calculation. Pass/Fail Indicators are **not** considered in the calculation.

- **CTE Program Participant (Code 5)** are students completing one, but not two or more high-school CTE program courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for two or more credits (the student does not have to pass or receive credit).
- **CTE Program Explorer (Code E)** are students completing two or more high-school CTE program courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for at least two credits, and not a participant, concentrator or completer (the student does not have to pass or receive credit).

CTE Code 4:

All students not coded a 5, E, 6 or 7 will be coded as a 4. This includes students that have never been enrolled in a CTE course, students that take middle-school CTE courses and students that only complete the first parts of multiple part CTE courses.

- **Not CTE (Code 4)** are students who never enrolled or who did not complete any high-school CTE course as defined by 19 TAC Chapter 126 (C), 127 (B) or 130.

The State Career Cluster and Federal Career Cluster codes will be determined during the calculation of the CTE Indicator based on these new code tables in TEDS:

C227 – State Career Cluster

Code Table Id	Name	XML Name	Date Issued	Date Updated
C227	STATE-CAREER-CLUSTER-CODE	TX-StateCareerCluster	03/01/2020	
Code	Translation			
S1	Agriculture, Food and Natural Resources			
S2	Architecture and Construction			
S3	Arts, Audio Visual Technology and Communication			
S4	Business, Marketing, and Finance			
S5	Education and Training			
S6	Energy			
S7	Health Science			
S8	Hospitality and Tourism			
S9	Human Services			
S10	Information Technology			
S11	Law and Public Service			
S12	Manufacturing			
S13	Transportation, Distribution and Logistics			
S14	Science, Technology, Engineering and Mathematics			
Note: The values listed in C227 are calculated values and not submitted to TEA.				

C228 – Federal Career Cluster

Code Table Id	Name	XML Name	Date Issued	Date Updated
C228	FEDERAL-CAREER-CLUSTER-CODE	TX-FederalCareerCluster	03/01/2020	
Code	Translation			
F1	Agriculture, Food, and Natural Resources			
F2	Architecture and Construction			
F3	Arts, Audio/Visual Technology, and Communications			
F4	Business Management & Administration			
F5	Education and Training			
F6	Energy			
F7	Finance			
F8	Government & Public Administration			
F9	Health Science			
F10	Hospitality and Tourism			
F11	Human Services			
F12	Information Technology			
F13	Law, Public Safety, Corrections and Security			
F14	Manufacturing			
F15	Marketing			
F16	Science, Technology, Engineering and Mathematics			
F17	Transportation, Distribution, and Logistics			
Note: The values listed in C228 are calculated values and not submitted to TEA.				

➤ **Eligible Students**

- Students in grades 06 - 12
- Based on course completion records for CTE courses

➤ **TSDS PEIMS Reports**

New report will be created for the PEIMS Summer collection which includes the following CTE data:

- Student Name
- Unique ID
- Local ID
- Student ID
- Program of Study
- State or Regional Program
- Calculated CTE Indicator
- State Cluster
- Federal Cluster
- This report will be a campus level and LEA level report.
- The user will be able to export the output in CSV format

Note: Once LEAs are in Accepted status, TEA will process the calculation that will create data for the reports where CTE data is located.

The listed existing PEIMS Summer reports will display blank CTE Indicator data (including counts) until the calculation process is completed after all LEAs are in Accepted status.

- ***PDM3-120-004 Disaggregation of PEIMS Summer Attendance Data***
- ***PDM3-120-007 Student Indicator Report by Grade***