WI Ed-Fi Suite 3 API v7.3 Data Standard v5.2: Student CTE Program Associations

November 2025

WI Ed-Fi Suite 3 API v7.3 Data Standard v5.2: Student CTE Program Associations

Summary

This association represents the career and technical education (CTE) program that a student participates in. The association is an extension of the StudentProgramAssociation particular for CTE programs.

Object Triggering

Action	Business Rule(s)
Post	**Pre-conditions/ All Scenarios** • If Ed-Fi Configuration Profile = Choice + Opt in, do NOT report any records • If Ed-Fi Configuration Profile = Choice, do NOT report any records • A Student must have a valid enrollment in order for a record to Post where: • No Show, State Exclude, or WISE Exclude check box are NOT checked • The enrollment is NOT in a calendar marked Calendar Exclude or Summer School Exclude check box is checked in the calendar or the calendar is in a School marked Exclude • The enrollment is NOT for a Grade marked Grade Level Exclude • State Enrollment Type = Primary **Career Tech Education Concentrator**

- When a new CTE Program Record is saved for a student where:
- The CTE Program has a State Code (CIP) and Cluster identified
- The CTE Program is marked State Reported
- The student CTE Program record associated with the CTE Program is marked Concentrator = Yes
- The student Enrollment is in state grade level 11 or 12
- If there are multiple enrollments with the same start date in the same school, for unique elements report from enrollments in the following order:

  - First from State Enrollment Type = Primary
  - Then Enrollment Service Type = Primary
  - Then Enrollment Service Type = Special Ed

- When an enrollment with a higher priority is deleted, the enrollment with lower priority will post a new record
- If another student CTE Program record exists for a Program meeting all the above criteria with an earlier start date OR lower programId, do NOT report the second record

  - (Only report one program record for a Career Tech Education Concentrator scenario)
  - Report the most recent (based on Start Date) CTE record in Academic Programs when multiple records where Concentrator = Yes (Student Info > Academic Planning > Programs > Concentrator).
  - If multiple records have the same start date, report based on the highest participationID (programId).
- When an enrollment is updated for a student
- When the student CTE Program record driving the record is updated for a student
- When the student CTE Program record driving the record is marked Concentrator = No

Non-Course Associated Career Tech Education (or College and Career Ready)

3

Transforming K12 Education®

	- When a new CTE Program Record is saved for a student where
	- The CTE Program has a Non-Course Program Status identified
	- The CTE Program is marked State Reported
	- The student CTE Program record associated with the CTE Program is within the dates of the students enrollment in the current/ config year
	- If multiple CTE academic programs exist for a student with the same Non-Course Program but different Start Dates, report a record for each
	- If multiple CTE academic programs exist for a student with the same Non-Course Program with the same Start Date, report only 1 record and send based on the Student Status priority:
	   ○ **A** - completed program with certificate
	   ○ **D** - completed program without certificate
	   ○ **B** - continuing in program
	   ○ **C** - exited program
	- When the student CTE Program record driving the record is updated for a student
	
	All Scenarios
	
	When an enrollment is updated to be reportable AND the student meets the criteria for one of the reporting scenarios

Put	N/A
Delete /Post	When the start date of an enrollment is changed
Delete	When an enrollment is deleted or one of the check boxes for No Show, State Exclude, or WISE Exclude are checked When an enrollment service type is changed to Partial (S) for an enrollment previously triggering a record When a student has two enrollments in the same school for the same start date, record changes with lower priority will not trigger a delete When the student CTE program record driving the record is deleted

Required Resources

The following resources must be sent prior to this resource:

- Students
- Programs

Dependent Resources

The following resources are dependent on this resource (must be sent after this resource):

- N/A

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix

Object Data Elements

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field

1	**beginDate**
	
	 (date)
		The month, day, and year on which the Student first received services. (Business Rules: Localized)
		
		 1. **Career Tech Education Concentrator**
		   a. Report "07/01/xxxx" where xxxx is the start year of the record config year
		 2. **Non-Course Associated Career Tech Education (or College and Career Ready) or Certified Program**
		   a. Report the start date of the student CTE program record
			M	Academic Programs
				
				 Enrollment	

2	**educationOrganizationReference** (reference)	*The education organization where the student is participating in or receiving the program services (Business Rules: Localized)* 1. Reports the Natural Key of the School resource	M	N/A	N/A

Transforming K12 Education®

| 3 | **programReference**

(reference) | *A reference to the Program Resource (Business Rules: Localized)*

1. **Career Tech Education Concentrator**
    a. For **Education Organization ID**, report: 48856
    b. For **Program Name**, report "Career and Technical Education"
    c. For **Program Type**, report "Career and Technical Education"
2. **Non-Course Associated Career Tech Education (or College and Career Ready) or Certified Program**
    a. **FOR CONFIG YEARS 2023-24 AND EARLIER:**

        i. For **Education Organization ID**, report: 48856
        ii. For **Program Name**, report based on the Non-Course Program Status field on the CTE Program the student has an associated CTE record for,
            1. If the Status = "Local Co-Op", report "Non Certified Career Education Program"
            2. Otherwise, report "Certified Career Education Program"
        iii. For **Program Type**, report the description from the Non-Course Program Status field on the CTE Program the student is assigned to
    b. **FOR CONFIG YEARS 2024-25 AND LATER:**

        i. For **Education Organization ID**, report: 48856
        ii. For **Program Name**, report based on the Non-Course Program Status field on the CTE Program the student has an associated CTE record for,
            1. If the Status = "Internship/Local Co-op", report "Work-based Learning"
            2. Otherwise, report "Industry Recognized Credentials"
        iii. For **Program Type**, report the description from the Non-Course Program Status field on the CTE Program the student is assigned to | M | N/A | N/A |

4	**studentReference** *(reference)*	*A unique alpha-numeric code assigned to a student (Business Rules: Localized)* 1. Reports the Natural Key for the Student resource	M	N/A	N/A

5	endDate
	
	(date)
		The month, day, and year on which the student exited the program or stopped receiving services. (Business Rules: Localized)
		
		1. **Career Tech Education Concentrator**
		   a. Report "06/30/xxxx" where xxxx is the end year of the record config year
		2. **Non-Course Associated Career Tech Education (or College and Career Ready) or Certified Program**
		   a. Report the end date of the student CTE program record
			C	Academic Programs
				
				Enrollment	

| 6 | cteConcentrationCteProgramAreas / cteProgramAreaDescriptor

(array / string) | *WI Program areas of concentration. (Business Rules: State Extension)*

1. **Career Tech Education Concentrator**
   a. Report the Program Concentration Areas on the student's CTE record
     i. If (A) Ag & Natural Resource is checked, add 'A' to the array
     ii. If (B) Business & Info Tech is checked, add 'B' to the array
     iii. If (F) Family/Consumer Science Edu is checked, add 'F' to the array
     iv. If (H) Health Science is checked, add 'H' to the array
     v. If (M) Marketing is checked, add 'M' to the array
     vi. If (T) Technology & Engineering is checked, add 'T' to the array
     vii. Report all values separated by commas in the array
2. **Non-Course Associated Career Tech Education (or College and Career Ready) or Certified Program**
   a. Does not report | O | Academic Programs | |

7	certificatedProgramStatusDescriptor	*Indicator of Certificated Program Status (Business Rules: State Extension)*
		
		 1. **Career Tech Education Concentrator**
		   a. Report the Program Concentration Areas on the student's CTE record
		     i. If (A) Ag & Natural Resource is checked, add 'A' to the array
		     ii. If (B) Business & Info Tech is checked, add 'B' to the array
		     iii. If (F) Family/Consumer Science Edu is checked, add 'F' to the array
		     iv. If (H) Health Science is checked, add 'H' to the array
		     v. If (M) Marketing is checked, add 'M' to the array
		     vi. If (T) Technology & Engineering is checked, add 'T' to the array
		     vii. Report all values separated by commas in the array
		 2. **Non-Course Associated Career Tech Education (or College and Career Ready) or Certified Program**
		   a. Does not report
			O	Academic Programs	

8	cteProgramServices	1. *An unordered collection of studentCTEProgramAssociationCTEProgramServices. Indicates the service(s) being provided to the student by the CTE program. (Business Rules: Localized)* 1. See **array** for field specific details	O		
9	nonTraditionalGenderStatus	*(Business Rules: Localized)* 1. This is optional, does not report	O	N/A	N/A

Transforming K12 Education®

10	participationStatus	*(Business Rules: Core)* 1. This is optional, does not report	O	N/A	N/A
11	privateCTEProgram	*(Business Rules: Localized)* 1. This is optional, does not report	O	N/A	N/A
12	programParticipationStatuses	*(Business Rules: Core)* 1. This is optional, does not report	O	N/A	N/A
13	reasonExitedDescriptor	*(Business Rules: Core)* 1. This is optional, does not report	O	N/A	N/A
14	servedOutsideOfRegularSession	*(Business Rules: Core)* 1. This is optional, does not report	O	N/A	N/A
15	services	*(Business Rules: Core)* 1. This is optional, does not report	O	N/A	N/A
16	technicalSkillsAssessmentDescriptor	*(Business Rules: Localized)* 1. This is optional, does not report	O	N/A	N/A

Transforming K12 Education®

Arrays

CTE Program Services

Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field

cteProgramServiceDescriptor	*Indicates the service being provided to the student by the CTE program. (Business Rules: Localized)*
	
	1. **Career Tech Education Concentrator**
	  a. For Career Pathway Type, report the Ed-Fi code from the Career Cluster on the CTE Program the student has an associated CTE record for
	2. **Non-Course Associated Career Tech Education (or College and Career Ready) or Certified Program**
	  a. Does not report
		M	Academic Programs	

cipCode	*Number and description of the CIP code associated with the student's CTE program. (Business Rules: Localized)* 1. Report the State Code (IAC) on the CTE Program the student has an associated CTE record for	M	Academic Programs	
primaryIndicator	*(Business Rules: Localized)* 1. This is optional, does not report	O	N/A	N/A

serviceBeginDate	*(Business Rules: Localized)* 1. This is optional, does not report	O	N/A	N/A
serviceEndDate	*(Business Rules: Localized)* 1. This is optional, does not report	O	N/A	N/A

Transforming K12 Education®