DE Ed-Fi Suite v3.6.2, Data Standard v4.0: Student CTE Program Associations

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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 Logic

Action	Business Rule(s)
Post	Report a record when a student has a CTE record that overlaps an Enrollment and the configured school year. • Do not report a record if the any of the following exclusions are present: ○ Enrollment State Exclude ○ Enrollment No Show ○ Enrollment Grade Exclude from State Reporting ○ Calendar Exclude ○ School Exclude • "That overlaps an Enrollment and the configured year" ○ If the student is eligible to report a Student School Association record, they are eligible to report a Student CTE Program Association record (with the exception of Enrollment No Show).

Delete /Post
 	
Put
	A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.
	
	• When the following information on the student's associated GNETS record is changed:
	   ◦ CTE Record ID (New CTE record)
	   ◦ Start Date
	   ◦ End Date
	   ◦ Program Status
	   ◦ CTE Pathway
	   ◦ Certificate(s)/ Credentials/ Associate Degree(s)
	   ◦ Credential Status
	• When the following Enrollment information changes:
	
	   ◦ Enrollment ID (New Enrollment)
	   ◦ Start Date
	   ◦ End Date
	   ◦ No Show
	   ◦ State Exclude

Delete	• When the enrollment being reported off of is deleted. • When the enrollment is changed to no longer overlap the configured year. • When the student is excluded through their enrollment, calendar, grade level, or school. • When the CTE record being reported off of is deleted. • When the CTE record is changed to no longer overlap the configured year.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Local Education Agencies (Pre-populated)
- Programs (Pre-populated)
- Students

Dependent Resources (Downstream)

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

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Object Data Elements Logic

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 (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✅ / ❌ / EXT)
1	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Reports the **Start Date**.	M	Career and Technical Education (CTE)	CareerTechnicalEducation. startDate	❌
2	**educationOrganizationReference** (*reference*)	*A reference to the Local Education Agencies record associated with the Student CTE Program Association being reported.* Reports the fields that are part of the Natural Key for the Local Education Agencies resource. • educationOrganizationId = **Ed-Fi District Number**	M	District Information	District.entityID	✅

| 3 | **programReference** (*reference*) | *A reference to the Programs record associated with the Student CTE Program Association being reported.*

Reports the fields that are part of the Natural Key for the Programs resource.

• educationOrganizationId = **Ed-Fi District Number**
• programName = **CTE** (Hard-Coded)
• programTypeDescriptor = **Career and Technical Education** (Hard-Coded) | M | N/A | N/A | | ❌ |
| 4 | **studentReference** (*reference*) | *A reference to the Students record associated with the Student 504 Program Association being reported.*

Reports the fields that are part of the Natural Key for the Students resource. | M | N/A | N/A | | ✅ |

| 5 | ctePrograms (*array*) | *An unordered collection of studentCTEProgramAssociationCTEPrograms. The career cluster representing the career path of the Vocational/Career Tech concentrator.*

Reports the below fields in an array:

- careerPathwayDescriptor
  - Reports the Ed-Fi Code mapped to the value selected for **CTE Pathway**.
- cteProgramCompletionIndicator
  - Reports **True** if the **Program Status** is set to code *02: Completed*.
  - Reports **False** in all other situations.
- primaryCTEProgramIndicator
  - Reports **True** for the CTE Program with the earliest **Start Date**.
    - If multiple CTE Programs have the same start date, report the CTE Program with the earliest CTE Program ID.
  - Reports **False** in all other situations.
- The following data elements do not send:
  - _ext
    - certificationDescriptor
    - localArticulation
    - pathwayConcentrator | M | Career and Technical Education (CTE) | CareerTechnicalEducation.ctePathway

CareerTechnicalEducation.programStatus

CareerTechnicalEducation.startDate

CareerTechnicalEducation.careerTechnicalEducationID | ❌ |

6	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.* Reports the **End Date**. • Does not report if NULL.	C	Career and Technical Education (CTE)	CareerTechnicalEducation. endDate	❌
7	certifications (*array*)	*An unordered collection of studentCTEProgramAssociationCertifications. Identifies the certification received for the pathway.* Reports the following data elements in an array. Reports for all certifications under the program: • certificationDescriptor ○ Reports the Ed-Fi Code mapped to the **Certificate(s)/ Credentials/ Associate Degree(s)** if the **Credential Status** is *P: Pass*.	C	Career and Technical Education (CTE)	CareerTechnicalEducation. certCredentialDegree CareerTechnicalEducation. credentialStatus	EXT
8	cteProgramServices	This is optional, does not report.	O	N/A	N/A	N/A
9	nonTraditionalGenderStatus	This is optional, does not report.	O	N/A	N/A	N/A
10	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
11	privateCTEProgram	This is optional, does not report.	O	N/A	N/A	N/A
12	programParticipationStatuses	This is optional, does not report.	O	N/A	N/A	N/A
13	reasonExitedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
14	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A

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| 15 | services | This is optional, does not report. | O | N/A | N/A | N/A |
| 16 | technicalSkillsAssessmentDescriptor | This is optional, does not report. | O | N/A | N/A | N/A |

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Appendix

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