

# Student CTE Program Associations (Core v3.X)

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Tool Search: Ed-Fi

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

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When an the student has a Career Tech Program record that overlaps the configured year and the student has an enrollment in the configured year. <ul style="list-style-type: none"> <li>Do not send records if the Calendar Exclude check box is checked in the calendar the student is enrolled.</li> <li>Do not send records if the School Exclude check box is checked in the calendar the student is enrolled.</li> <li>Do not send a record if the No Show check box is checked.</li> </ul>
Put	When the Programs> Career Tech Programs record is updated by the following fields, all student's records will be updated. <ul style="list-style-type: none"> <li>State Code (CIP)</li> </ul>
Put	When the student's Academic Planning> Career Tech Program Detail record has changed for a student. <ul style="list-style-type: none"> <li>Student Status</li> <li>End Date</li> <li>Non-Traditional Participation</li> </ul>
Delete/Post	When the start date of a Career Tech Program record is changed.
Delete	When the Career Tech Program record is deleted.
Delete	If the Career Tech start/end dates are changed and the record no longer overlaps the configured year.

## School Exclude, Calendar Exclude, Resource Toggle and Resync Logic

This table describes the School Exclude, Calendar Exclude, Resource Toggle and Resync logic of this object.

Action	Trigger
None	If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send.
Resync	If a record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table.
Resync	If a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS.
Resync	If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes.

## Natural Key Changes, Cascading Updates, and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

Action	Trigger
Post/Delete	Natural Key changes: <ul style="list-style-type: none"> <li>LEA Reference - District Numbers cannot change after data has been sent. If a district number changes, we would expect an Ed-Fi error and this change would not be supported.</li> <li>If an Ed-Fi ID changes, a delete/post will occur with the cascading deletes from the Ed-Fi ID Change triggers.</li> <li>Start Date - if the start date of the record changes, the record will delete then repost with new date.</li> </ul>

Action	Trigger
Delete	Cascading Deletes: N/A - no dependent resources.

## Scope Year Logic

This table describes scope year logic of this object.

Logic
The record will send to and year that the student's Career Tech record overlaps with.
Data will only send for the years that have valid configuration.

## Resource Preferences

Data Element Label	Mapping Needed
Career Tech Pathway/Program Name	careerPathwayDescriptor
Student Status	cteProgramCompletionIndicator
Select the Program Type Descriptor associated with this Program	Program Type Descriptor
Student's Career Tech Program Certifications Status is = Passing Student's Career Tech Program Certifications Status is = Attempted Student does not have a Career Tech Program Certifications record	Technical Skills Assessment Descriptors

## Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
programs	Put	The primary table for sending data for this resource.
programparticipation	Put	The primary table for sending data for this resource.

## Object Data Elements

Data Element Labels in bold are part of the Natural Key and are required data elements for Data to send to Ed-Fi.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
<b>id</b>	The unique identifier of the resource.		M		
<b>beginDate</b>	The month, day, and year on which the Student first received services.	1. Reports the start date of the Career Tech Program the student is assigned.	M	Student Information> Academic Planning> Programs> Program Type: Career Tech Program> Start Date	programparticipation
<b>educationOrganizationReference</b>	A reference to the related Education Organization Resource.	1. Reports the Natural Key of the Local Education Agencies resource.	M		
<b>programReference</b>	A reference related to the Program resource.	1. Reports the Natural Key of the Programs resource.	M		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database File
studentReference	A reference to the related Student resource.	1. Reports the Natural Key of the Students resource.	M		
ctePrograms	The career cluster representing the career path of the Vocational/Career Tech concentrator.	1. See array section below for requirements.	O		
endDate	The month, day, and year on which the Student exited the Program or stopped receiving services.	1. Reports the end date of the Career Tech Program the student is assigned.	O	Student Information> Academic Planning> Programs> Program Type: Career Tech Program> End Date	programpartici
nonTraditionalGenderStatus	Indicator that student is from a gender group that comprises less than 25% of the individuals employed in an occupation or field of work.	1. Reports 'True' if the Non-Traditional Participation checkbox is checked. 2. Else, report 'False'.	O	Student Information> Academic Planning> Programs> Program Type: Career Tech Program> Non-Traditional Participation	programpartici
privateCTEProgram	Indicator that student participated in career and technical education at private agencies or institutions that are reported by the state for purposes of the Elementary and Secondary Education Act (ESEA). Students in private institutions which do not receive Perkins funding are reported only in the state file.	1. Always report 'False'.	O		
reasonExitedDescriptor	The reason the child left the Program within a school or district.	1. This field is optional, does not report.	O		
servedOutsideOfRegularSession	Indicates whether the Student received services during the summer session or between sessions.	1. This field is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
services	Indicates the Service(s) being provided to the Student by the Program.	1. This field is optional, does not report.	O		
technicalSkillsAssessmentDescriptor	Results of technical skills assessment aligned with industry recognized standards.	1. Report the descriptor based on the mapped results on the student's Career Tech Program - Certifications record. <ul style="list-style-type: none"> <li>◦ Student's Career Tech Program Certifications Status is = Passing</li> <li>◦ Student's Career Tech Program Certifications Status is = Attempted</li> <li>◦ Student does not have a Career Tech Program Certifications record.</li> </ul> 2. If the student has more than 1 Certification record, use the record with the date that overlaps the configured year. <ul style="list-style-type: none"> <li>◦ If the student has more than 1 eligible record, report the record with the most recent start date.</li> <li>◦ If the date on the certification record is NULL, use the record with the highest participationCertificationID.</li> </ul>	O		

## Arrays

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### ctePrograms

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
careerPathwayDescriptor	A sequence of courses within an area of interest that is a student's educational road map to a chosen career.	1. Report the Ed-Fi code from the mapped Career Tech Program Pathway/Program Name. 2. If the pathway is not mapped, do not report.	M	Program Admin> Programs> Career Tech Programs> Pathway/Program Name	program.name
cipCode	Number and description of the CIP Code associated with the student's CTEProgram.	1. Reports the State Code (CIP) from the Career Tech Program being reported.	O	Program Admin> Programs> Career Tech Programs> State Code (CIP)	program.code

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
cteProgramCompletionIndicator	A boolean indicator of whether the Student has completed the CTEProgram.	<ol style="list-style-type: none"> <li>1. Reports 'True' if the student has a Student Status that is mapped in Resource Preferences.</li> <li>2. Report 'False' if the student has a Student Status that is not mapped in Resource Preferences or the Student Status is blank.</li> </ol>	O	Student Information> Academic Planning> Program Type= Career Tech Program> Student Status	programparticipation.studentStat
primaryCTEProgramIndicator	A boolean indicator of whether this CTEProgram, is the student's primary CTEProgram.	<ol style="list-style-type: none"> <li>1. Report 'True' if the student has only 1 eligible Career Tech Program record in the configured year.</li> <li>2. If the student has more than 1 eligible Career Tech program in the a configured year, report 'True' for the record with the most recent start date. For all other records, report 'False'.</li> </ol>	O		

## Type/Descriptors

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### Career Pathway Descriptors

Code Value	Description	Namespace	Short Description
Agriculture, Food and Natural Resources	Agriculture, Food and Natural Resources	uri://ed-fi.org/CareerPathwayDescriptor	Agriculture, Food and Natural Resources
Architecture and Construction	Architecture and Construction	uri://ed-fi.org/CareerPathwayDescriptor	Architecture and Construction
Arts, A/V Technology and Communications	Arts, A/V Technology and Communications	uri://ed-fi.org/CareerPathwayDescriptor	Arts, A/V Technology and Communications
Business, Management and Administration	Business, Management and Administration	uri://ed-fi.org/CareerPathwayDescriptor	Business, Management and Administration
Education and Training	Education and Training	uri://ed-fi.org/CareerPathwayDescriptor	Education and Training
Finance	Finance	uri://ed-fi.org/CareerPathwayDescriptor	Finance

Code Value	Description	Namespace	Short Description
Government and Public Administration	Government and Public Administration	uri://ed-fi.org/CareerPathwayDescriptor	Government and Public Administration
Health Science	Health Science	uri://ed-fi.org/CareerPathwayDescriptor	Health Science
Hospitality and Tourism	Hospitality and Tourism	uri://ed-fi.org/CareerPathwayDescriptor	Hospitality and Tourism
Human Services	Human Services	uri://ed-fi.org/CareerPathwayDescriptor	Human Services
Information Technology	Information Technology	uri://ed-fi.org/CareerPathwayDescriptor	Information Technology
Law, Public Safety, Corrections and Security	Law, Public Safety, Corrections and Security	uri://ed-fi.org/CareerPathwayDescriptor	Law, Public Safety, Corrections and Security
Manufacturing	Manufacturing	uri://ed-fi.org/CareerPathwayDescriptor	Manufacturing
Marketing, Sales and Service	Marketing, Sales and Service	uri://ed-fi.org/CareerPathwayDescriptor	Marketing, Sales and Service
Other	Other	uri://ed-fi.org/CareerPathwayDescriptor	Other
Science, Technology, Engineering and Mathematics	Science, Technology, Engineering and Mathematics	uri://ed-fi.org/CareerPathwayDescriptor	Science, Technology, Engineering and Mathematics
Transportation, Distribution and Logistics	Transportation, Distribution and Logistics	uri://ed-fi.org/CareerPathwayDescriptor	Transportation, Distribution and Logistics

### Technical Skills Assessment Descriptors

Code Value	Description	Namespace	Short Description
Passed	Passed	uri://ed-fi.org/TechnicalSkillsAssessmentDescriptor	Passed
Did Not Take	Did Not Take	uri://ed-fi.org/TechnicalSkillsAssessmentDescriptor	Did Not Take
Not Passed	Not Passed	uri://ed-fi.org/TechnicalSkillsAssessmentDescriptor	Not Passed