

# Student CTE Program Associations (Texas v4.0)

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

## Object Triggering Logic

This table describes the logic for triggering the syncing of this object.

Action	Trigger
Post	<p>When a student has a Career Tech Program record that overlaps the configured year and the student has an enrollment in the configured year AND has one or more of the following selected:</p> <ul style="list-style-type: none"> <li>• Single Parent</li> <li>• Pregnant Teen</li> <li>• Transportation</li> <li>• Out of Workforce</li> </ul> <p><b>Multiple Enrollments</b> - A new record will be created for each enrollment change found where End Status = NOT NULL and mapped to an Ed-Fi Code. Compare enrollment Start/End Dates against academic program Start/End Dates to produce a complete set of records.</p> <p><b>Exception:</b> Ignore enrollment changes if End Status is mapped to an Ed-Fi Code = SC and SchoolID did not change.</p> <p>Do not send records if the Calendar Exclude checkbox is marked in the calendar in which the student is enrolled.</p> <p>Do not send records if the School Exclude checkbox is marked in the calendar in which the student is enrolled.</p> <p>Do not send a record if the No Show checkbox is marked.</p>
Put	<p>All student records are updated when the Programs &gt; Career Tech Programs record is changed on the following fields:</p> <ul style="list-style-type: none"> <li>• End Date</li> <li>• Single Parent</li> <li>• Pregnant Teen</li> <li>• Transportation</li> <li>• Out of Workforce</li> </ul>
Delete/Post	<p>When the student's Academic Planning &gt; Career Tech Program Detail record has changed.</p> <ul style="list-style-type: none"> <li>• Start Status</li> </ul>
Delete	<p>When the Career Tech Program record is deleted.</p>
Delete	<p>If the Career Tech start/end dates are changed and the record no longer overlaps the configured year.</p>

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

Action	Trigger
None	<p>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.</p>

Action	Trigger
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

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

## Scope Year Logic

Logic
The record sends to and year that the student's Career Tech record overlaps with.
Data only sends 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

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

Campus Table	Ed-Fi Action	Fields
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	Location
<b>id</b>	The unique identifier of the resource.		M	
<b>beginDate</b>	The first instructional day a student is identified as being eligible to receive Career and Technical Education services.	Reports the latest of the following that occurs within the scope year: <ol style="list-style-type: none"> <li>Academic Program Start Date</li> <li>Enrollment Start Date</li> </ol>	M	Academic Planning > Programs > Program Type: Career Tech Program > Start Date  Enrollment  programparticipation.startdate  enrollment.startDate
<b>educationOrganizationReference</b>	The School Reference represents the identifier assigned to a school.	Reports the Natural Key of the Local Education Agencies resource.	M	
<b>programReference</b>	A reference related to the Program resource.	Reports the Natural Key of the Programs resource.	M	
<b>studentReference</b>	A reference to the related Student resource.	Reports the Natural Key of the Students resource.	M	
ctePrograms	The career cluster representing the career path of the Vocational/Career Tech concentrator.	See array section below for requirements.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
endDate	The first day after the last instructional day a student was eligible to receive Career and Technical Education services.	<ol style="list-style-type: none"> <li>1. Reports the earliest of the following within the Scope Year, + 1 additional day:               <ul style="list-style-type: none"> <li>◦ Academic Program End Date</li> <li>◦ Enrollment End Date (Do not report if End Status = SC and there is no change in SchoolID)</li> </ul> </li> <li>2. If no date is found, report the last instructional day of the calendar + 1 day.</li> </ol>	O	Academic Planning > Programs > Program Type: Career Tech Program > End Date  programparticipation.enddate  Enrollment  enrollment.endDate
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.	This field is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
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.	This field is optional, does not report.	O	
reasonExitedDescriptor	The reason the child left the Program within a school or district.	This field is optional, does not report.	O	
servedOutsideOfRegularSession	Indicates whether the Student received services during the summer session or between sessions.	This field is optional, does not report.	O	
services	Indicates the Service(s) being provided to the Student by the Program.	This field is optional, does not report.	O	
technicalSkillsAssessment Descriptor	Results of technical skills assessment aligned with industry recognized standards.	This field is optional, does not report.	O	

## Arrays

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## CTEProgSvcSet

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
<b>CTEProgramSvcDescriptor</b>	Defines the services provided by an education organization to populations of students associated with a CTE program.	<ul style="list-style-type: none"> <li>• If Single Parent is selected, reports '2'.</li> <li>• If Pregnant Woman is selected, reports '7'.</li> <li>• If Out of Workforce is selected, reports '8'.</li> <li>• If Transportation is selected, reports '9'.</li> </ul>	M	Student Information > Academic Planning > Program > CTE Programs
<b>serviceBeginDate</b>	The first instructional day in the current school year a student is assigned to the <i>CTEProgramSvc</i> descriptor.	Reports the latest of the following that occurs within the scope year: <ol style="list-style-type: none"> <li>1. Academic Program Start Date</li> <li>2. Enrollment Start Date</li> </ol>	M	Student Information > Academic Planning > Program > CTE Programs  Student Information > Enrollment
serviceEndDate	The first day after the last instructional day a student was assigned to the <i>CTEProgramSvc</i> descriptor.	<ol style="list-style-type: none"> <li>1. Reports the earliest of the following within the Scope Year, + 1 additional day:               <ul style="list-style-type: none"> <li>◦ Academic Program End Date</li> <li>◦ Enrollment End Date (Do not report if End Status = SC and there is no change in SchoolID)</li> </ul> </li> <li>2. If no date is found, report the last instructional day of the calendar + 1 day.</li> </ol>	O	Student Information > Academic Planning > Program > CTE Programs  Student Information > Enrollment

# 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
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

Code Value	Description	Namespace	Short Description
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