Student CTE Program Associations (Missouri v3.6)

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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. • Does not send records when the Career Cluster field is blank. • Does not send records when the CTE Program Type field is blank. • Does not send records when the Calendar Exclude checkbox is marked in the calendar the student is enrolled. • Does not send records when the School Exclude checkbox is marked in the calendar the student is enrolled. • Does not send a record when the No Show checkbox is marked.
Delete/Post	When any part of the natural key is changed: • Student Ed-Fi ID • Start Date • CTE Program Type • Career Cluster
Delete	When the Career Program Type or Career Cluster record is deleted.
Delete	When the Enrollment Start/End Dates are changes 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	When a resource is toggled to off after data has sent, all sent data remains in the ODS but no new data sends.
Resync	When a record is in the Ed-Fi Identity Mapping table and not in the ODS, it is deleted from the Ed-Fi Identity Mapping table.
Resync	When a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it is deleted from the ODS.
Resync	When a mapping is changed in Resource Preferences, a resync needs 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: • LEA Reference - District Numbers cannot change after data has been sent. When a district number changes, an Ed-Fi error occurs and this change is not supported. • When an Ed-Fi ID changes, a delete/post occurs with the cascading deletes from the Ed-Fi ID Change triggers. • Start Date - when the start date of the record changes, the record will delete then repost with new date.
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	M, C or O	Data Source GUI Path
id	The unique identifier of the resource.	M	
beginDate	The month, day, and year on which the Student first received services. Reports the start date of the Enrollment.	M	Student Information > Enrollments > Start Date Enrollment.startDa...
educationOrganizationReference	A reference to the related Education Organization Resource. Reports the fields that are part of the Natural Key for the Local Education Agency resource where the educationOrganizationId is the State District Number.	M	District Information State District Number
programReference	A reference related to the Program resource. Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = State District Number • programName = CTE Program Type • programTypeDescriptor = Career and Technical Education	M	Enrollments > Sta... Reporting Fields > Career Cluster Enrollments > Sta... Reporting Fields > CTE Program Type...
studentReference	A reference to the related Student resource. Reports the fields that are part of the Natural Key for the Students resource where the studentUniqueId is the Student State ID.	M	
cteProgramServices	An unordered collection of studentCTEProgramAssociationCTEProgramServices. Indicates the Service(s) being provided to the Student by the CTE Program.	O	

Arrays

▶ Click here to expand…

ctePrograms

Data Element Label	Description	M, C, or O	Database Location
cteProgramServiceDescriptor	Indicates the service being provided to the student by the CTE Program. Report the value in Career Cluster.	M	Enrollments > State Reporting Fields > Career Cluster

Descriptors

▶ Click here to expand...

CTE Program Service Descriptor

Code	Description	Namespace	Short Description
1	Agriculture, Food & Natural Resource	uri://dese.mo.gov/CTEClusterDescriptor	Agriculture, Food & Natural Resource
2	Architecture & Construction	uri://dese.mo.gov/CTEClusterDescriptor	Architecture & Construction
3	Arts/ A/V Technology & Communication	uri://dese.mo.gov/CTEClusterDescriptor	Arts/ A/V Technology & Communication
4	Business & Administrative	uri://dese.mo.gov/CTEClusterDescriptor	Business & Administrative
5	Education & Training	uri://dese.mo.gov/CTEClusterDescriptor	Education & Training
6	Finance & Insurance	uri://dese.mo.gov/CTEClusterDescriptor	Finance & Insurance
7	Government & Public Administration	uri://dese.mo.gov/CTEClusterDescriptor	Government & Public Administration
8	Health Science	uri://dese.mo.gov/CTEClusterDescriptor	Health Science
9	Hospitality & Tourism	uri://dese.mo.gov/CTEClusterDescriptor	Hospitality & Tourism
10	Human Service	uri://dese.mo.gov/CTEClusterDescriptor	Human Service
11	Information Technology	uri://dese.mo.gov/CTEClusterDescriptor	Information Technology
12	Law & Public Safety	uri://dese.mo.gov/CTEClusterDescriptor	Law & Public Safety
13	Manufacturing	uri://dese.mo.gov/CTEClusterDescriptor	Manufacturing
14	Marketing Sales & Service	uri://dese.mo.gov/CTEClusterDescriptor	Marketing Sales & Service
15	Scientific Research/Engineering	uri://dese.mo.gov/CTEClusterDescriptor	Scientific Research/Engineering
16	Transportation, Distribution, & Logistics	uri://dese.mo.gov/CTEClusterDescriptor	Transportation, Distribution, & Logistics