

# Student Section Associations (Texas v4.0)

Last Modified on 12/14/2025 8:45 pm CST

Tool Search: Ed-Fi

[Object Triggering Logic](#) | [School Exclude, Calendar Exclude, Resource Toggle and Resync Logic](#) | [Natural Key Changes, Cascading Updates, and Deletes Logic](#) | [Scope Year Logic](#) | [Event Queue Detail](#) | [Object Data Elements](#)

This association indicates the course sections to which a student is assigned.

## Object Triggering Logic

Action	Trigger
Post	<p>When a student is scheduled into a course section.</p> <ul style="list-style-type: none"> <li>• A record reports for each Section record that is reported based on the Sections logic.</li> <li>• Does not report a record for the prior term if roster start date is after the term end date.</li> <li>• Only sends records if the student has a enrollment in the schedule structure where the student is scheduled and is not marked as No Show.</li> <li>• Does not send records if: <ul style="list-style-type: none"> <li>◦ Calendar Exclude checkbox is marked.</li> <li>◦ School Exclude checkbox is marked.</li> <li>◦ Course is marked as Inactive or Exclude.</li> </ul> </li> </ul>
Post	Send a new record if a student's roster start date is changed.
Put	<p>When section information is updated for a student or section.</p> <ul style="list-style-type: none"> <li>• Update when the course or section's homeroom field is changed.</li> </ul>
Delete	When a student is deleted from a course section.
Delete	<p>Delete any future records if the student is given a roster end date for the course.</p> <ul style="list-style-type: none"> <li>• Roster End Date must be before Term Start date of future records.</li> </ul>
Delete/Post	Delete the record if a student's roster start date is changed.

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

Action	Trigger
--------	---------

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 sends.
Resync	If 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	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 is deleted from the ODS.
Resync	If 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

Action	Trigger
Delete/Post	Natural Key change: <ul style="list-style-type: none"> <li>The natural key logic from Sections and Students will update this resource if they change.</li> <li>If a student's Begin Date changes.</li> </ul>
Delete/Post	If the natural key changes all dependent data will delete/post. <ul style="list-style-type: none"> <li>Student Section Attendance Events, Grades</li> </ul>

## Scope Year Logic

Logic
Reports records in the scope year in which the course/section's calendar is aligned. <ul style="list-style-type: none"> <li>Data will only send for years that have valid configuration.</li> </ul>

## Event Queue Detail

Campus Table	Ed-Fi Action	Fields
roster	Post/Put/Delete	The primary table used for sending data for this resource.
sectionPlacement	Post/Put/Delete	The primary table used for sending data for this resource.
term	Delete and Post	Begin Date

Campus Table	Ed-Fi Action	Fields
term	Put	End date
course	Put	homeroom
section	Put	homeroom

## Object Data Elements

This table describes data elements sent within the Student Section Association resource.

Data Element Label	Business Requirement	Logic	M, C or O	Location
<b>id</b>	The unique identifier of the resource.		M	
<b>beginDate</b>	Month, day, and year of the student's entry or assignment to the section. If blank, default is the start date of the first grading period.	<p>Reports the roster start date for the term record in which the start date occurs.</p> <ul style="list-style-type: none"> <li>For any records in the future terms for that course, use the earliest term start date.</li> </ul> <p>Reports the earliest term start date associated with the term descriptor selected for this section based on section schedule placement if the Start Date is NULL.</p>	M	<p>Student Information &gt; General &gt; Schedule &gt; Roster Start Date</p> <p>OR</p> <p>System Administration &gt; Calendar &gt; Calendar &gt; Terms</p> <p>roster.startdate or terms.startdate</p>

Data Element Label	Business Requirement	Logic	M, C or O	Location
<b>sectionReference</b>	A reference to the related Section resource.	Reports the fields that are part of the Natural Key for the Section resource.	M	
<b>studentReference</b>	A reference to the related Student resource.	Reports the fields that are part of the Natural Key for the Student resource.	M	
attemptStatusDescriptor	An indication of the student's attempt status for the section.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Logic	M, C or O	Location
endDate	Month, day, and year of the withdrawal or exit of the student from the section.	<ol style="list-style-type: none"> <li>1. Reports the roster end date for the student + 1 additional day. <ul style="list-style-type: none"> <li>◦ If a roster end date is entered, deletes any records for future terms for that section.</li> </ul> </li> <li>2. If NULL, reports the latest term start date associated with the term descriptor selected for this section based on section schedule placement.</li> </ol>	O	<p>Student Information &gt; General &gt; Schedule &gt; Roster End Date</p> <p>OR</p> <p>System Administration &gt; Calendar &gt; Calendar &gt; Terms</p> <p>roster.endDate or terms.endDate</p>

Data Element Label	Business Requirement	Logic	M, C or O	Location
homeroomIndicator	Indicator that the class is the student's designated homeroom used for daily attendance reporting.	<ol style="list-style-type: none"> <li>Report s 'True' if the checkbox is marked on either the Section or the Course to which the section is assigned.</li> <li>Otherwise, reports False.</li> </ol>	O	Scheduling > Course > Homeroom  or  Scheduling > Course > Section > Homeroom  course.homeroom or section.homeroom
repeatIdentifierType	An indication as to whether a student has previously taken a given course. NEDM: Repeat Identifier Repeated, counted in grade point average Repeated, not counted in grade point average Not repeated Other.	Does not report. This data is not collected in Campus.	O	
teacherStudentDataLink Exclusion	Indicates that the student-section combination is excluded from calculation of value-added or growth attribution calculations used for a particular teacher evaluation.	Does not report. This data is not collected in Campus.	O	

Data Element Label	Business Requirement	Logic	M, C or O	Location
CourseCompletionIndicator	Indicates whether or not the student finished the full sequence of instruction for a course.	<p>Reports true if the Student is in grade 09, 10, 11, 12 or Special Explanation = J on Course or Roster Batch Edit and the student has a Score on a grading task that has State Reported selected.</p> <p>Otherwise, reports false.</p> <p>If conditions are not met field does not report.</p>	O	<p>Student Information &gt; General &gt; Enrollments</p> <p>Course &gt; Special Explanation</p> <p>Course &gt; Section &gt; Roster Batch Edit &gt; Special Explanation Override</p> <p>Grading &amp; Standards &gt; Grading Tasks &gt; State Reported</p> <p>Course &gt; Section &gt; Grading by Task &gt; Score</p>
etag	A unique system-generated value that identifies the version of the resource.		O	