

# Michigan Ed-Fi Data v3.1 - Student Section Association

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Tool Search: Ed-Fi

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

## Object Triggering Logic

This table describes logic for triggering syncing of this object.

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>• If roster start date is after the term end date, do not report a record for the prior term.</li> <li>• Only send records if the student has an enrollment in the schedule structure where the student is scheduled and is NOT marked as No Show or State Exclude.</li> <li>• Do not send records if the Calendar Exclude check box is checked.</li> <li>• Do not send records if the School Exclude check box is checked.</li> <li>• Do not send records if the Course is marked as Inactive.</li> <li>• Do not send a record if the associated student's enrollment is marked as State Exclude.</li> <li>• Do not send if the Course is marked as State Exclude.</li> <li>• Course must have a SCED Code that is not null.</li> <li>• Do not send if a student is added to a section roster in a Course marked as State Exclude.</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	<p>When a student is deleted from a course section.</p> <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

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.

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

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

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 the students 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

This table describes scope year logic of this object.

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>

## Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Score List Item State Score	Attempt Status Descriptors

## Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
roster	Post/Put/Delete	The primary table used for sending data for this resource.
roster	Put	End date
terms	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	Business Rules	M, C or O	Data Source GUI Path	Database Field
id	The unique identifier of the resource.		M		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
<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.	<ol style="list-style-type: none"> <li>Report the roster start date for the term record in which the start date occurs. <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> </li> <li>If Start Date is NULL, report the earliest term start date associated with the term descriptor selected for this section based on section schedule placement.</li> </ol>	M	Student Information> General> Schedule> Roster Start Date  OR  System Administration> Calendar> Calendar> Terms	roster.startdate or terms.startdate
<b>sectionReference</b>	A reference to the related Section resource.	<ol style="list-style-type: none"> <li>Reports the fields that are part of the Natural Key for the Section resource.</li> </ol>	M		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
<b>studentReference</b>	A reference to the related Student resource.	1. Reports the fields that are part of the Natural Key for the Student resource.	M		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
attemptStatus Descriptor	An indication of the student's attempt status for the section.	<ol style="list-style-type: none"> <li>1. Report Ed-Fi Code from State Score tied to selected Score from grading task that has State Reported selected and a Code = TSDL.</li> <li>2. If grading task assigned to more than one term report from the latest term.</li> <li>3. If more than one grading task is found, report from highest taskID</li> <li>4. If section is assigned to more than one term, report this field in the latest term.               <ul style="list-style-type: none"> <li>◦ Example, if assigned to Q1, Q2, Q3, and Q4, this field would only report in Q4.</li> </ul> </li> </ol>	M	Grading & Standards > Grading Tasks > Code, State Reported  Course > Section > Grading by Task	

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
endDate	Month, day, and year of the withdrawal or exit of the student from the section.	<ol style="list-style-type: none"> <li>1. Report the roster end date for the student.               <ul style="list-style-type: none"> <li>◦ If a roster end date is entered, delete any records for future terms for that section.</li> </ul> </li> <li>2. If NULL, report the latest term start date associated with the term descriptor selected for this section based on section schedule placement.</li> </ol>	O	Student Information> General> Schedule> Roster End Date  OR  System Administration> Calendar> Calendar> Terms	roster.endDate or terms.endDate
homeroomIndicator	Indicator that the class is the student's designated homeroom used for daily attendance reporting.	<ol style="list-style-type: none"> <li>1. Report "True" if the check box is checked on either the Section or the Course to which the section is assigned.</li> <li>2. Else, report False.</li> </ol>	O	Scheduling> Course> Homeroom  or  Scheduling> Course> Section> Homeroom	course.homeroom or section.homeroom

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
repeatIdentifierType	An indication as to whether a student has previously taken a given course.	1. Does not report, this data is not collected in Campus.	O		
teacherStudentData LinkExclusion	Indicates that the student-section combination is excluded from calculation of value-added or growth attribution calculations used for a particular teacher evaluation.	1. Does not report, this data is not collected in Campus.	O		



Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
msixClockHours	The number of clock hours to date that the student has completed must be reported.	<p>If student is actively enrolled in a Program with a code of Migrant and State Reported is selected, and statusDescriptor is not CP, CF, or CS, report the (number of minutes / 60) the student is scheduled.</p> <p>Round to nearest integer.</p> <p>Use Term Start/End Date, Enrollment Start/End Date, and Roster Start/End Date to determine hours.</p> <p>Reports hours per term if more than one term is assigned to the section.</p>	O	student information > program participation > programs	
etag	A unique system-generated value that identifies the version of the resource.		O		