

# Sections (Nebraska v3.5)

Last Modified on 06/11/2024 9:52 am CDT

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

This educational entity represents a setting in which organized instruction of course content is provided to one or more students for a given period of time. A course may be offered to more than one class/section. Instruction provided by one or more teachers or other staff members may be delivered in person or via a different medium.

## Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When a section is created and saved. <ul style="list-style-type: none"> <li>• Section Placement is required in order for the section to send.</li> <li>• One record reports for each Section and Term Type combination.</li> <li>• Does not send records when the Calendar Exclude check box is checked.</li> <li>• Does not send records when the course is marked inactive or State Exclude.</li> <li>• Does not send when the School Exclude check box is checked.</li> <li>• When the Secondary School field is populated, reports information from this new school as an override to the current school.</li> </ul>
Post	When Section Placement is changed and saved on a section.
Post	When the Local Course Number or Term type Override is changed.
Put	When any fields listed below are changed: <ul style="list-style-type: none"> <li>• When the local course name or SCED Seq Number is changed and saved on the Course editor.</li> <li>• When the Instructional Setting is changed and saved on a section.</li> <li>• When the Credit field is changed and saved on a Grading Task assigned to the course.</li> <li>• When the Teacher Number field is changed and saved on a Rule 18 student Transcript.</li> </ul>
Delete	When a section is deleted.
Delete	When Section Placement is changed or removed and saved on a section.
Delete	When the Local Course Number or Term type Override 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	When a resource is toggled to OFF after data has sent, all sent data remains in the ODS but no new data sends.
Delete	When a resource is toggled to OFF after data has sent and an action is performed that would trigger a delete, that data remains in the ODS until a resync is done.
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: <ul style="list-style-type: none"> <li>When the School ID changes, all data remains under the old number and a resync needs to be completed to populate data under the new number. The delete tool does not need to be used to remove all data from the old School ID.</li> </ul>
Post/Delete	When any of the following changes in the Course Offerings resource: <ul style="list-style-type: none"> <li>Local Course Code</li> <li>Session Name</li> </ul>
Post/Delete	When the natural key changes, all dependent data is deleted/posted.
Dependent Resources	Staff Section Associations, Student Section Associations, Student Section Attendance Events, Grades

## Scope Year Logic

This table describes scope year logic of this object.

Logic
Sections report to the configured year to which they are aligned.
Data only sends for years that have valid configuration.

## Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Instructional Setting	Educational Environment Types
Section Delivery	Section Delivery Model

## Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
section	Post/Put/Delete	The primary table used for sending data for this resource.
course	Put	Educational Environment Descriptor Sequence of Course
gradingTaskCredit	Put	Available Credits

## Object Data Elements

This table describes data elements sent within the Sections resource.

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>sectionIdentifier</b>	The local identifier assigned to a section.	Reports the section ID of the section being reported.	M	Course > Section section.sectionID
<b>courseOfferingReference</b>	A reference to the related CourseOffering resource.	Reports the fields that are part of the Natural Key for the Course Offering resource.	M	

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path Database Field
locationReference	A reference to the related Location resource.	Reports the fields that are part of the Natural Key for the Locations resource.	O	
<b>locationSchoolReference</b>	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the School resource.	M	
availableCreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O	
availableCredits	Credits or units of value awarded for the completion of a course.	Sums the total number of credits from the Grading Tasks on the course.  Divides by the number of terms the course section occurs.	O	Course> Grading Tasks> Credit  gradingTaskCredit.Credit
availableCreditTypeDescriptor	The type of credits or units of value awarded for the completion of a course.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path Database Field
characteristics	This descriptor defines characteristics of a section, such as whether attendance is taken and the section is graded.	This is optional, does not report.	O	
classPeriods	The class period during which the Section meets.	See <a href="#">Arrays</a> section for logic.	O	
courseLevelCharacteristics	The type of specific program or designation with which the section is associated (e.g., AP, IB, Dual Credit, CTE). This collection should only be populated if it differs from the Course Level Characteristics identified at the Course Offering level.	This is optional, does not report.	O	
educationalEnvironmentDescriptor	The setting in which a child receives education and related services; for example: Center-based instruction Home-based instruction Hospital class Mainstream Residential care and treatment facility.	Reports the Ed-Fi Code value from the mapped Instructional Setting selected on the course section being reported.  When NULL, does not report.	O	Course > Section > Instructional Setting  section.instructionalSetting

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path Database Field
instructionLanguageDescriptor	The primary language of instruction, if omitted English is assumed.	This is optional, does not report.	O	
mediumOfInstructionDescriptor	The media through which teachers provide instruction to students and students and teachers communicate about instructional matters; for example: Technology-based instruction in classroom Correspondence instruction Face-to-face instruction Virtual/On-line Distance learning Center-based instruction.	This is optional, does not report.	O	
offeredGradeLevels	The grade levels in which the section is offered. This collection should only be populated if it differs from the Offered Grade Levels identified at the Course Offering level.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path Database Field
populationServedDescriptor	The population for which the course was designed; for example: Bilingual students Remedial education students Gifted and talented students Career and Technical Education students Special education students.	This is optional, does not report.	O	
programs	An unordered collection of sectionPrograms. This educational entity represents a setting in which organized instruction of course content is provided to one or more students for a given period of time. A course may be offered to more than one class/section. Instruction, provided by one or more teachers or other staff members, may be delivered in person or via a different medium.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path Database Field
sequenceOfCourse	When a section is part of a sequence of parts for a course, the number of the sequence. If the course has only one part, the value of this section attribute should be 1.	<p>Reports the value selected in the SCED Sequence "Part n" field.</p> <p>When NULL, reports 1.</p>	M	
SectionDelivery	Reports the Course Delivery Model.	<p>Course Delivery Model can be found on course or section.</p> <p>Reports the value from course delivery model.</p> <p>When Course Delivery Model is populated, override and send from section for those particular sections marked.</p> <p>All else, reports what is on course.</p>	O	



Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path Database Field
SectionCharacteristics	This descriptor defines characteristics of a section, such as whether attendance is taken and the section is graded.	<p>Reports 'Attendance Tracked' when Attendance and/or Positive Attendance check box is checked on a course.</p> <p>Reports 'Graded Credit Available' when a grading task is added and saved to a course.</p>	O	
courseStaffIdOverride	Reports a contracted teacher that is not paid by the district and are teaching courses.	When populated, report the Teacher Override field.	O	<p>Schedule &gt; Courses</p> <p>Schedule &gt; Courses &gt; Sections</p> <p>Transcript &gt; Course &gt; Teacher Number</p>
etag	A unique system-generated value that identifies the version of the resource.	This is optional, does not report.	O	

## Arrays

[▶ Click here to expand...](#)

## Type/Descriptor

[▶ Click here to expand...](#)

## Previous Versions

Nebraska Ed-Fi Data v3.5 - Sections [.2323 and previous]

---