

# Nebraska Ed-Fi Data v3.1 - Sessions

Last Modified on 06/04/2024 2:33 pm CDT

This entity represents the prescribed span of time when an education institution is open, instruction is provided and students are under the direction and guidance of teachers and/or education institution administration. A session may be interrupted by one or more vacations.

## Object Triggering Logic

This table describes logic for triggering syncing of this object.

| Action | Trigger   |
|--------|---|
| Post   | <p>When a new Term is created and saved that is Mapped to a Term Type and a resync of Sessions is completed.</p> <ul style="list-style-type: none"> <li>• If the same Term Type is selected on multiple Terms, group the Terms together so only 1 record will report per Term Type.</li> <li>• If there are multiple Calendars or Schedule structures in a School with the same Term Types, only 1 record can report to Ed-Fi. Report the earliest Term Start Date and latest Term End Date.</li> <li>• Do not send records if the Calendar Exclude check box is checked.</li> <li>• Do not send if the School is marked as Exclude.</li> </ul> |
| Post   | <p>When a Term Descriptor Override is selected on a Course or Section and saved and the course is mapped to a Term Descriptor Override and a resync of Sessions is completed.</p> <ul style="list-style-type: none"> <li>• The Session will report the start and end dates based on the mapping of the course section.</li> <li>• If the same Term Type is selected in the Terms tab and the Term Type Override, a record will not send from the override field.</li> <li>• Do not send records if the Calendar Exclude check box is checked or Course is marked as Inactive or Exclude.</li> </ul>   |
| Put    | When the Grading Period data is changed or the Grading Period record is deleted.  |
| Delete | If the Term is deleted or the mapping is removed the Session record and all dependent data will be removed  |

\*\* Start and End dates are not part of the natural Key so only 1 record per Term Type can be sent to Ed-Fi. Logic has been implemented to determine the priority of what start and end dates to use for a Term Type.

## 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.   |
| Delete | If a resource is toggled to 'OFF' after data has sent and an action is performed that would trigger a delete, that data will remain in the ODS until a resync is done. |
| 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>If the School ID changes, all data will remain under the old number and a resync will need to be completed to populate data under the new number. The delete tool would need to be used to remove all data from the old School ID.</li> </ul> |
| Delete/Post | If the Session Name changes.   |
| Delete/Post | If the natural key changes all dependent resources will delete/post. <ul style="list-style-type: none"> <li>Course Offerings, Sections, Staff Section Associations, Student Section Associations, Student Section Attendance Events, Grades</li> </ul>   |

## Scope Year Logic

This table describes scope year logic of this object.

| Logic   |
|---|
| Reports Sessions for the scope year the to which the calendar is aligned. |
| Data will only send for the years that have valid configuration.          |

## Resource Preferences

This table describes the Resource Preferences of this object.

| Data Element Label | Mapping Needed            |
|--------------------|---------------------------|
| Term Detail        | Term Descriptors          |
| Course/Section     | Term Descriptor Overrides |

## Identity Mapping Object Key

This table describes the Identity Mapping Object Key of this object.

**\*If there are multiple terms, overridden courses, or overridden sections in a school with the same term descriptor, there will be an identity mapping record for each Campus record and they will have the same edFiIdentityID.**

| Where Posting From | campusObjectType | Object Key Data Source |
|--------------------|------------------|------------------------|
| Course override    | Course           | courseID               |
| Section override   | Course           | courseID-sectionID     |
| Term               | Term             | termID                 |

## Event Queue Detail

This table describes the Event Queue Detail of this object.

| Campus Table | Ed-Fi Action    | Fields   |
|--------------|-----------------|--|
| Term         | Post/Put/Delete | The primary table used for sending data for this resource. |
| Course       | Post/Put/Delete | The primary table used for sending data for this resource. |

| Campus Table     | Ed-Fi Action    | Fields   |
|------------------|-----------------|--|
| Section          | Post/Put/Delete | The primary table used for sending data for this resource. |
| sectionPlacement | Put             | Start/End Date   |

## Error Log

This table describes the Error logic of this object.

| Error  | Possible Causes/How to Fix          |
|--|-------------------------------------|
| Error code return from Ed-Fi. 400: [message:Validation of 'Session' failed. BeginDate is required. BeginDate : '1/1/0001 12:00:00 AM' must be within SQL datetime range ('1/1/1753 12:00:00 AM' to '12/31/9999 11:59:59 PM') EndDate is required. EndDate : '1/1/0001 12:00:00 AM' must be within SQL datetime range ('1/1/1753 12:00:00 AM' to '12/31/9999 11:59:59 PM') ]. | Term start or end dates are missing |

## Object Data Elements

This table describes data elements sent within the Sessions 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>SessionName</b>             | The identifier for the calendar for the academic session. | 1. Reports the Term Descriptor of the Term(s) being reported.   | M         | System Administration> Ed-Fi> Configuration> Resources Preferences> Sessions> Ed-Fi Code | edfimapping.ec |
| <b>schoolReference</b>         | A reference to the related School resource.               | 1. Reports the fields that are part of the Natural Key for the School resource.   | M         |  |                |
| <b>schoolYearTypeReference</b> | A reference to the related SchoolYearType resource.       | 1. Reports the end year from the calendar the term is reported. <ul style="list-style-type: none"> <li>Reports 'XXXX'.</li> </ul> | M         |  |                |
| academicWeeks                  | An unordered collection of sessionAcademicWeeks.          | This is optional, do not report.  | O         |  |                |

| Data Element Label | Business Requirement | Business Rules  | M, C or O | Data Source GUI Path   | Database Field |
|--------------------|----------------------|---|-----------|--|----------------|
| beginDate          | Term start date.     | <ol style="list-style-type: none"> <li>1. When reporting from a Term Schedule, report the start date of the term being reported .               <ul style="list-style-type: none"> <li>◦ If more than 1 term has the same Term Type selected, report the earliest start date.</li> </ul> </li> <li>2. When reporting from a Term Type Override on a Course or Section.               <ul style="list-style-type: none"> <li>◦ Report the earliest term start date based on all sections with the same Term Override.</li> </ul> </li> </ol> | M         | System Administration> Calendar> Calendar> Terms> Start Date | term.startDate |
| endDate            | Term end date.       | <ol style="list-style-type: none"> <li>1. When reporting from a Term Schedule, report the end date of the term being reported .               <ul style="list-style-type: none"> <li>◦ If more than 1 term has the same Term Type selected, use the latest end date.</li> </ul> </li> <li>2. When reporting from a Term Type Override on a Course or Section.               <ul style="list-style-type: none"> <li>◦ Report the latest end date based on all sections with the same Term Override.</li> </ul> </li> </ol>                   | M         | System Administration> Calendar> Calendar> Terms> End Date   | term.endDate   |

| Data Element Label | Business Requirement  | Business Rules  | M, C or O | Data Source GUI Path   | Database Field |
|--------------------|---|---|-----------|--|----------------|
| gradingPeriods     | An unordered collection of sessionGradingPeriods.   | See the Grading Periods in the Array section below for logic.   | O         |  |                |
| termDescriptor     | This descriptor defines the term of a session during the school year (e.g., Fall Semester). | <ol style="list-style-type: none"> <li>1. When reporting from Term Descriptors mapping, report the Ed-Fi Code for the value selected               <ul style="list-style-type: none"> <li>◦ When Ed-Fi Term Type = Null, or when no Ed-Fi code exists, do not report.</li> </ul> </li> <li>2. When reporting from the Term Descriptor Overrides, report the Ed-Fi code value selected.</li> </ol> | M         | System Administration> Ed-Fi> Configuration> Resources Preferences> Sessions> Ed-Fi Code | edfimapping.ec |

| Data Element Label     | Business Requirement   | Business Rules  | M, C or O | Data Source GUI Path | Database Field |
|------------------------|------------------------|---|-----------|----------------------|----------------|
| totalInstructionalDays | Total Days in Session. | <ol style="list-style-type: none"> <li>1. When reporting from Term Schedule, count the total number of instructional days from the Days tab from the calendar and schedule structure the term is associated with.               <ul style="list-style-type: none"> <li>◦ A day reset must be completed before the days will calculate. Use the resync after day reset is completed to have instructional days calculated and sent.</li> <li>◦ If more than 1 term schedule has the same Term Type, count the distinct number of instructional days from all terms for that Term Type.</li> </ul> </li> <li>2. When reporting from Term Type Override, count the number of instructional days that fall on/between the start and end dates.</li> </ol> | M         | Calculated           |                |

## Arrays

[▶ Click here to expand...](#)

## Grading Periods

| #     | Data Element Label     | Business Requirement                              | Business Rules  | M, C or O | Data Source GUI Path | Database Field | Format    |
|-------|------------------------|---|---|-----------|----------------------|----------------|-----------|
| DE100 | gradingPeriodReference | Reference to the related Grading Period resource. | <ol style="list-style-type: none"> <li>1. Report any Grading Period that has a Grading Period End Date in the Session being reported               <ul style="list-style-type: none"> <li>◦ Grading Period End Date must be on or after Session Start Date and on or before Session End Date.</li> </ul> </li> <li>2. When reporting from Term Type Override, report any Grading Period where the Grading Period End Date occurs in the Session being reported.               <ul style="list-style-type: none"> <li>◦ Grading Period End Date must be on or after Session Start Date and on or before Session End Date.</li> </ul> </li> </ol> | M         |                      |                | reference |

## Type/Descriptor

[Click here to expand...](#)

### Term Descriptors

| Code Value       | Description      | Short Description |
|------------------|------------------|-------------------|
| Fall Semester    | Fall Semester    | Fall Semester     |
| First Quarter    | First Quarter    | First Quarter     |
| First Trimester  | First Trimester  | First Trimester   |
| Fourth Quarter   | Fourth Quarter   | Fourth Quarter    |
| MiniTerm         | MiniTerm         | MiniTerm          |
| Other            | Other            | Other             |
| Quarter          | Quarter          | Quarter           |
| Second Quarter   | Second Quarter   | Second Quarter    |
| Second Trimester | Second Trimester | Second Trimester  |
| Semester         | Semester         | Semester          |
| Spring Semester  | Spring Semester  | Spring Semester   |
| Summer Semester  | Summer Semester  | Summer Semester   |
| Third Quarter    | Third Quarter    | Third Quarter     |
| Third Trimester  | Third Trimester  | Third Trimester   |
| Trimester        | Trimester        | Trimester         |
| Year Round       | Year Round       | Year Round        |