

Minnesota Ed-Fi Data v3.1 - Course Course Associations

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This entity supports associations from State, District, and College courses.

There are three categories of records, each involving the connection of one type of course data to another:

- A District Course associated to a State Course
- A District Course associated to a College Course
- A College Course associated to a State Course

In each case, a set of courseCode/educationOrganizationId data is being associated with a different set of courseCode/educationOrganizationId data.

District Course associated to a State Course:

▶ [Click here to expand...](#)

District Course associated to a College Course

▶ [Click here to expand...](#)

College Course associated to a State Course

▶ [Click here to expand...](#)

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	<p>When a new Course record is saved, and there is a value saved in the State Code, College Code and College Course Code fields:</p> <ul style="list-style-type: none"> • Trigger a District Course > State Course when: <ol style="list-style-type: none"> 1. A State Code is saved on the Course editor; and 2. The College Place Holder checkbox is unchecked • Trigger a District Course > College Course when: <ol style="list-style-type: none"> 1. A College Code is saved on the Course editor; and 2. A College Course Code is saved on the Course editor; and 3. The College Place Holder checkbox is unchecked • Trigger a College Course > State Course when: <ol style="list-style-type: none"> 1. A State Code is saved on the Course editor; and 2. A College Code is saved on the Course editor; and 3. A College Course Code is saved on the Course editor; and 4. The College Place Holder checkbox is checked
Delete	<p>When a course record is deleted.</p> <ul style="list-style-type: none"> • In the scenario where a record has been previously posted, related to either a College Course or State Course scenario, and the related College Course Code or State Code (respectively) has been edited or deleted

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.
Delete	If a mapping is removed in Resource Preferences, and data has been sent to the ODS predicated on the Resource Preferences mapping record (i.e., a District > College CCA record was posted), the record will be deleted from the ODS and the Ed-Fi Identity Mapping table.
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	If any of the following changes in the Schools resource: If the School Number/Ed-Fi School Number changes, a delete/post will occur with the cascading deletes from the change triggers, for any District Course records.
Delete/Post	If the College Course Code or State Code changes, a delete/post will occur with the cascading deletes from the School ID Change triggers, for any College Course or State Course records.
Delete/Post	If the College Place Holder is unchecked, a delete/post will occur with the cascading deletes for College → State Course Course/Course associations.

Scope Year Logic

This table describes scope year logic of this object.

Business Rules

Course Course Associations will report to the configured year they are aligned to:

- Data will only send for years that have valid configuration

Resource Preferences

Data Element	Mapping Needed
course.number: course.name	postSecondaryInstitution

Object Data Elements

This table describes data elements sent within the Parents resource.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path
course Reference	<p>courseCode: A unique alphanumeric code assigned to a course.</p> <p>educationOrganizationId: The identifier assigned to an education organization.</p>	<p>courseCode:</p> <ol style="list-style-type: none"> 1. Check to see if it is a District course or a College course being reported. <ul style="list-style-type: none"> ◦ If it is a District course, report the courseID. ◦ If it is a College course, report the District Number - College Course Code from the Course editor. ex. '215-ECO 101' <p>educationOrganizationId:</p> <ol style="list-style-type: none"> 1. Check to see if it is a District course or a College course being reported. <ul style="list-style-type: none"> ◦ If it is a District course: <ol style="list-style-type: none"> 1. Report the Ed-Fi 	M	<p>CourseCode Course > CourseID</p> <p>Course > College Course Code</p> <p>education Organization System Administrative Resources > District > District Record > Ed-Fi District ID</p>

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path
		<ol style="list-style-type: none"> Report the Ed-Fi District ID If Ed-Fi School ID is NULL, report: ttdddmmmm <p>where:</p> <ul style="list-style-type: none"> tt = district type dddd = district number, left zero filled mmm = 000 for all organizations reported in Ed-Fi <ul style="list-style-type: none"> If it is a College course, report the College Code. 		tt: System Administrative Resources > District Information : district recor Type dddd: System Administrative Resources > District Information : District Reco > State Distr Number Course > College Code
toCourse Reference	<p>courseCode: A unique alphanumeric code assigned to a course.</p> <p>educationOrganizationId: The identifier assigned to an education organization.</p>	<p>courseCode: Check to see if it is a District course, a College course, or a State course being reported.</p> <ol style="list-style-type: none"> If it is a District course, report the courseID. If it is a College course, report the District Number - College Course Code from the Course editor. ex. '215-ECO 101' If it is a State course, report the State Code from the Course editor. <p>educationOrganizationId: Check to see if it is a District course, a College course, or a State course being reported.</p> <ol style="list-style-type: none"> If it is a District course, <ul style="list-style-type: none"> Report the Ed-Fi District ID. If Ed-Fi District ID is NULL, report: <ol style="list-style-type: none"> ttdddsssmmm <p>where:</p> <ul style="list-style-type: none"> tt = district type 	M	<p>CourseCode Course > CourseID</p> <p>Course > College Cour Code</p> <p>Course > Sta Code</p> <p>education Organization System Administrative Resources > District > District Reco > Ed-Fi Distr ID</p> <p>tt: System Administrative Resources > District Information : district recor Type</p>

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path
		<ul style="list-style-type: none"> ▪ dddd = district number, left zero filled. ▪ sss = school number, left zero filled. ▪ mmm = 000 for all organizations reported in Ed-Fi. <p>2. If it is a College course, report the College Code.</p> <p>3. If it is a State course, report '999999000'.</p>		<p>Information : district recor State District Number</p> <p>Course > College code</p>