

# MN v3.3 - Course Course Associations

Last Modified on 02/25/2025 7:37 am CST

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.

## 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"> <li>• Trigger a District Course &gt; State Course when:               <ol style="list-style-type: none"> <li>1. A State Code is saved on the Course editor; and</li> <li>2. The College Place Holder checkbox is unchecked</li> </ol> </li> <li>• Trigger a District Course &gt; College Course when:               <ol style="list-style-type: none"> <li>1. A College Code is saved on the Course editor; and</li> <li>2. A College Course Code is saved on the Course editor; and</li> <li>3. The College Place Holder checkbox is unchecked</li> </ol> </li> <li>• Trigger a College Course &gt; State Course when:               <ol style="list-style-type: none"> <li>1. A State Code is saved on the Course editor; and</li> <li>2. A College Code is saved on the Course editor; and</li> <li>3. A College Course Code is saved on the Course editor; and</li> <li>4. The College Place Holder checkbox is checked</li> </ol> </li> </ul>
Delete	<p>When a course record is deleted.</p> <ul style="list-style-type: none"> <li>• 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</li> </ul>

## 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
<p>Course Course Associations will report to the configured year they are aligned to:</p> <ul style="list-style-type: none"> <li>Data will only send for years that have valid configuration</li> </ul>

## Resource Preferences

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

## Object Data Elements

This table describes data elements sent within the Course Course Associations resource.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data S GUI Pa
course Reference	<p><b>courseCode:</b> A unique alphanumeric code assigned to a course.</p> <p><b>educationOrganizationId:</b> The identifier assigned to an education organization.</p>	<p><b>courseCode:</b> Check to see if it is a District course or a College course being reported</p> <ol style="list-style-type: none"> <li>If it is a District course, report the courseID</li> <li>If it is a College course, report (For the courseCode to be College then the Section Enrollment type = DP only)               <ol style="list-style-type: none"> <li>ttddd- course.collegeCourseCode                   <ul style="list-style-type: none"> <li>where tt = district type</li> <li>where dddd = district number, left zero filled</li> <li>ex. '010215-ECO 101'</li> </ul> </li> </ol> </li> </ol> <p><b>educationOrganizationId:</b></p>	M	<p><b>Course</b> Course Course Code</p> <p><b>educat</b> System Resourc district district</p> <p>tt: Syste Resourc Informa record :</p>

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source
		<p>Check to see if it is a District course or a College course being reported.</p> <ol style="list-style-type: none"> <li>If it is a District course:               <ol style="list-style-type: none"> <li>Report the Ed-Fi District ID</li> <li>If Ed-Fi District ID is NULL, report:                   <ol style="list-style-type: none"> <li>Ttdddmmmm                       <ol style="list-style-type: none"> <li>where:                           <ul style="list-style-type: none"> <li>tt = district type</li> <li>dddd = district number, left zero filled</li> <li>mmm = 000 for all organizations reported in Ed-Fi</li> </ul> </li> </ol> </li> </ol> </li> </ol> </li> <li>If it is a College course, report the College Code.</li> </ol>		<p>aaaa: S Adminis &gt; Distri district District</p> <p>Course</p>
toCourse Reference	<p><b>courseCode:</b> A unique alphanumeric code assigned to a course.</p> <p><b>educationOrganizationId:</b> The identifier assigned to an education organization.</p>	<p><b>courseCode:</b> Check to see if it is a College course or a State course being reported. (For the toCourseCode to be College then course level is D or A)</p> <ol style="list-style-type: none"> <li>If it is a College course, report           <ul style="list-style-type: none"> <li>ttddd- course.collegeCourseCode</li> <li>where tt = district type</li> <li>where dddd = district number, left zero filled</li> <li>ex. '010215-ECO 101'</li> </ul> </li> <li>If it is a State course, report the 5 digit State Code           <ul style="list-style-type: none"> <li>strip leading zero from state code, if applicable</li> <li>generate error message if state course code is not numeric or &lt;&gt; 5 digits.</li> </ul> </li> </ol> <p><b>educationOrganizationId:</b> Check to see if it is a College course or a State course being reported.</p> <ol style="list-style-type: none"> <li>If it is a College course, report the College Code</li> <li>If it is a State course, report 'aaaaaannn'</li> </ol>	M	<p><b>Course</b> Course Course Code</p> <p><b>educat</b> System Resourc district district</p> <p>tt: Syste Resourc Informa record :</p> <p>dddd: S Adminis &gt; Distri district District</p> <p>Course</p>

Data	Business Requirement	Business Rules	M,	Data S
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# Resource Preferences Continued

The Ed-Fi Configuration tool is used to establish Ed-Fi data resources.

The following describes how to enable the Course Course Associations resource for Ed-Fi reporting. If the Configure or Edit button do not display, then the resource does not need to be mapped and the toggle button can be used to turn the resource on or off.

1. Set the Course Course Associations preference to **ON**.

<b>Schedule Information</b>	<input type="checkbox"/> OFF	—
Calendars	<input checked="" type="checkbox"/> ON	Edit
Class Periods	<input checked="" type="checkbox"/> ON	
Courses	<input checked="" type="checkbox"/> ON	Edit
<b>Course Course Associations</b>	<input checked="" type="checkbox"/> ON	
Course Offerings	<input checked="" type="checkbox"/> ON	Edit
Sections	<input checked="" type="checkbox"/> ON	Edit