

Course Offerings (Indiana v3.6)

Last Modified on 12/23/2024 12:49 pm CST

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[Object Triggering Logic](#) | [School Exclude, Calendar Exclude, Resource Toggle and Resync Logic](#) | [Natural Key Changes, Cascading Updates, and Deletes Logic](#) | [Scope Year Logic](#) | [Identity Mapping Object Key](#) | [Event Queue Detail](#) | [Error Log](#) | [Object Data Elements](#) | [Arrays](#) |

This entity represents an offering of a course by school during a session, representing the course catalog of available courses.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When a section with Section Placement is created and saved. <ul style="list-style-type: none"> • One (1) record will report per Course and Term Type combination. • Do not send if course is marked as Inactive. • Do not send records if the Calendar Exclude checkbox is marked. • Do not send a record if the School Exclude checkbox is marked. • Do not send a record if the course is marked as 'Exclude from State Reporting'.
Delete/Post	<ul style="list-style-type: none"> • When the Course Number is changed. • If the Term Descriptor changes either via section placement or mapping override and a course offering already exists with non-matching Term Descriptors.
Put	When Course information is changed and saved. <ul style="list-style-type: none"> • Course Name • Course Number • State Code
Delete	<ul style="list-style-type: none"> • When a section is deleted. • When a section schedule placement is removed and saved.
Delete/Post	When there are two Sections with the same natural key and 1 is deleted, the other record posts with the remaining records data.

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	<p>If any of the following changes in the Schools resource:</p> <ul style="list-style-type: none"> If the School Number/Ed-Fi School Number changes, a delete/post will occur with the cascading deletes from the School ID Change triggers. <p>If the Course Number changes. If the Session Name changes to which the Course Offering is aligned. If the natural key changes all dependent resources will delete/post.</p>
Dependent Resources	Sections, Staff Section Associations, Student Section Associations

Scope Year Logic

This table describes scope year logic of this object.

Logic
Course Offerings will report to the configured year to which they are aligned.
Data will only send for years that have valid configuration.

Identity Mapping Object Key

campusObjectType	Object Key Data Source
Section	sectionID-termID

Event Queue Detail

This table describes the Event Queue Detail of this object.

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

Error Log

Error	Meaning /Resolution
Referenced courseOfferings resource could not be found. Resync courseOfferings and try again.	We suspect this is an Indiana server-side error as it happens inconsistently. It may be paired with "Failed to Delete" errors. To resolve, attempt to retry the errored Course Offerings / Sections. You will likely need to repeat this a few times. For any courses remaining as errors, ensure the course has a valid State Code listed. If it does, then perform a DELETE on any records in the ODS under that Course Offering and attempt to resync Course Offerings and Sections only for that course.

Object Data Elements

This table describes data elements sent within the Course Offerings resource. Data Element Labels in **bold** are part of the Natural Key and are required data elements for Data to send to Ed-Fi.

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
id	The unique identifier of the resource.		M	
localCourseCode	The local code assigned by the LEA or Campus that identifies the organization of subject matter and related learning experiences provided for the instruction of students.	Reports the Course Number from the Course.	M	Scheduling > Course > Number course.number

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
courseReference	A reference to the related Course resource.	Reports the fields that are part of the Natural Key for the Course resource. <ul style="list-style-type: none"> • See Array section below for Reference Array. 	M	
schoolReference	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the School resource. <ul style="list-style-type: none"> • See Array section below for Reference Array. 	M	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
sessionReference	A reference to the related Session resource.	Reports the fields that are part of the Natural Key for the Session resource. <ul style="list-style-type: none"> • Term Descriptor will report based on section schedule placement of the sections of the course. • If Term Descriptor Override is checked and there is an existing mapping for the course, Term Descriptors will report based on the mappings per the section schedule placement of the sections of the course. 	M	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
courseLevelCharacteristics	The type of specific program or designation with which the course offering 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 level.	This is optional, does not report.	O	
curriculumUsed	An unordered collection of courseOfferingCurriculumUses. This entity represents an offering of a course by school during a session, representing the course catalog of available courses.	This is optional, does not report.	O	
instructionalTimePlanned	The planned total number of clock minutes of instruction for this course offering. Generally, this should be at least as many minutes as is required for completion by the related state- or district-defined Course.,	This is optional, does not report.	O	
localCourseTitle	The descriptive name given to a course of study offered in the school, if different from the Course Title.	Reports the Course Name.	O	Scheduling > Course > Name course.name
localCourseCode	The local course code for the course.	Reports course Number	M	Scheduling > Course > Number course.number
offeredGradeLevels	The grade levels in which the course is offered. This collection should only be populated if it differs from the Offered Grade Levels identified at the Course level.	This is optional, does not report.	O	
etag	A unique system-generated value that identifies the version of the resource.	This is optional, does not report.	O	

Arrays

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Reference Array

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
CourseReference	The courseReference includes the following: <ol style="list-style-type: none"> courseCode (labeled 'Code' = State Code) educationOrganizationID 	Report the following in this reference: <ol style="list-style-type: none"> courseCode = stateCode (on course) EdOrgID = 1088000000 (State EdOrg) IDOE owns the courses. EdOrdID will always be the above value.	M	Course/Section > Course > stateCode course.stateCode EdOrgID is hardcoded