

# Indiana Ed-Fi Data v2.4/3.1 - Course Offerings

Last Modified on 02/27/2024 11:54 am CST

**Classic View:** System Administration > Ed-Fi

**Search Terms:** Ed-Fi

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

Action	Trigger
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"> <li>If the School Number/Ed-Fi School Number changes, a delete/post will occur with the cascading deletes from the School ID Change triggers.</li> </ul> <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.

## 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	
<b>localCourseCode</b>	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
<b>courseReference</b>	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"> <li>See Array section below for Reference Array.</li> </ul>	M	
<b>schoolReference</b>	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"> <li>See Array section below for Reference Array.</li> </ul>	M	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
<b>sessionReference</b>	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"> <li>• Term Descriptor will report based on section schedule placement of the sections of the course.</li> <li>• 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.</li> <li>• See Array section for Reference Array below</li> </ul>	M	
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	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
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
<b>localCourseCode</b>	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	
<b>courseEducationOrganization</b>	IDOE owns the courses. Must report state Ed Org ID This is part of the course reference - see references below.	Reports state Ed Org ID • 1088000000	M	Hardcoded number
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...](#)

## Reference Array

Data Element Label	Business Requirement	Business Rules	M, C or O	Location	Database Field
<b>CourseReference</b>	The courseReference includes the following: <ol style="list-style-type: none"> <li>EdOrgID</li> <li>courseCode (labeled 'Code' = State Code)</li> </ol>	Report the following in this reference: <ol style="list-style-type: none"> <li>EdOrgID = 1088000000 (State EdOrg)</li> <li>courseCode = stateCode (on course)</li> </ol>	M	<ol style="list-style-type: none"> <li>EdOrgID is hardcoded.</li> <li>Scheduling &gt; Course/Section &gt; stateCode course.stateCode</li> </ol>	
<b>SchoolReference</b>	The schoolReference includes the following: <ul style="list-style-type: none"> <li>SchoolID</li> </ul>	Report the following in this reference: <ol style="list-style-type: none"> <li>10+District+School i.e., 1012344321</li> <li>If Multiple Connections, report based on EdFi School ID override.</li> </ol>	M	Concatenated value  district.Number school.number	
<b>SessionReference</b>	The sessionReference includes the following: <ol style="list-style-type: none"> <li>schoolYear</li> <li>termDescriptor</li> </ol>	Report the following in this reference: <ol style="list-style-type: none"> <li>schoolYear = the current active year aligned with the current active connection               <ul style="list-style-type: none"> <li>Reports as the end Year (YYYY)</li> </ul> </li> <li>termDescriptor = the mapped descriptor values. See Descriptors below</li> </ol>	M	System Administration > Calendar > School Years > End Year  calendar.endYear	

## Types/Descriptors

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

### Term Descriptors

Code	Short Description	Namespace	Long Description
Fall Semester	Fall Semester	http://doe.in.gov/Descriptor/TermDescriptor.xml	Fall Semester
First Quarter	First Quarter	http://doe.in.gov/Descriptor/TermDescriptor.xml	First Quarter
First Trimester	First Trimester	http://doe.in.gov/Descriptor/TermDescriptor.xml	First Trimester

Code	Short Description	Namespace	Long Description
Fourth Quarter	Fourth Quarter	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Fourth Quarter
MiniTerm	MiniTerm	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	MiniTerm
Other	Other	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Other
Second Quarter	Second Quarter	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Second Quarter
Second Trimester	Second Trimester	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Second Trimester
Spring Semester	Spring Semester	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Spring Semester
Summer Semester	Summer Semester	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Summer Semester
Third Quarter	Third Quarter	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Third Quarter
Third Trimester	Third Trimester	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Third Trimester
Year Round	Year Round	<a href="http://doe.in.gov/Descriptor/TermDescriptor.xml">http://doe.in.gov/Descriptor/TermDescriptor.xml</a>	Year Round