Arizona Ed-Fi Data v3.1 - Courses

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This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
	Arizona has pre-loaded courses so courses are not posted 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.
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 Ed-Fi School Number changes. • School ID: If the State School Number changes and the Ed-Fi School Number is NULL
Delete/Post	If the State Code or Number changes.
Delete/Post	Cascading Updates/Delete: If the natural key changes all dependent data will be deleted/reposted: • Course Transcripts

Scope Year Logic

This table describes scope year logic of this object.

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

Error Log

Error	Possible Causes/How to fix
409: Failed to delete courses resource. [message:The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the 'courseOffering' entity.]	There are still dependent resources in the Ed-Fi ODS so the course record cannot be deleted. Use the delete tool to remove any dependent data before the course can be removed.

Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
State Code and Number	Course Identification System Descriptors
Course SCED Subject Area	Academic Subject Descriptors
Course Difficulty Level	Course Level Characteristic Types

Identity Mapping Object Key

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

campusObjectType	Object Key Data Source
Course	courseID

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.

Object Data Elements

This table describes data elements sent within the Courses resource.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Databas Field
id	The unique identifier of the resource.		M		
courseCode	A unique alphanumeric code assigned to a course.	1. Report the Course ID for the course	M	Scheduling> Course> Course ID	course.ID
identificationCodes	An unordered collection of courseIdentificationCodes. This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis	1. See Array logic below	M		
educationOrganizationReference	A reference to the related Education Organization resource	1. Reports the School number associated with the course	M		
academicSubjectDescriptor	The intended major subject area of the course.	1. Reports the Ed-Fi Code from the SCED SCED Subject Area. 2. If NULL or Ed-Fi Value is blank, do not report.	O	Scheduling> Course> SCED Subject Area	course.s SubjectA
careerPathwayDescriptor	The career cluster or pathway representing the career path of the Vocational/CTE concentrator.	1. This field is optional, do not report.	O		
competencyLevels	An unordered collection of courseCompetencyLevels. This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis.	1. This field is optional, do not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
courseDefinedByDescriptor	Specifies whether the course was defined by the SEA, LEA, school or national organization.	1. This field is optional, do not report.	O		
courseDescription	A description of the content standards and goals covered in the course. Reference may be made to state or national content standards.	1. This field is optional, do not report.	O		
courseGPAApplicabilityDescriptor	An indicator of whether or not this course being described is included in the computation of the student's Grade Point Average, and if so, if it weighted differently from regular courses.	1. This field is optional, do not report.	O		
courseTitle	The descriptive name given to a course of study offered in a school or other institution or organization. In departmentalized classes at the elementary, secondary, and postsecondary levels (and for staff development activities), this refers to the name by which a course is identified (e.g., American History, English III). For elementary and other non-departmentalized classes, it refers to any portion of the instruction for which a grade or report is assigned (e.g., reading, composition, spelling, and language arts).	1. Reports the Course Name.	M	Scheduling> Course> Name	course.n
dateCourseAdopted	The date the district adopted the course.	1. This field is optional, do not report.	O		
highSchoolCourseRequirement	An indication that this course credit is required for a high school diploma.	1. This field is optional, do not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
learningObjectives	An unordered collection of courseLearningObjectives. This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis.	1. This field is optional, do not report.	O		
learningStandards	An unordered collection of courseLearningStandards. This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis.	1. This field is optional, do not report.	O		
levelCharacteristics	An unordered collection of courseLevelCharacteristics. This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis.	1. See Array logic below.	O		
maxCompletionsForCredit	Designates how many times the course may be taken with credit received by the student.	1. This field is optional, do not report.	O		
maximumAvailableCreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	1. This field is optional, do not report.	O		
maximumAvailableCredits	The maximum amount of credit available to a student who successfully completes the course.	1. This field is optional, do not report.	O		
maximumAvailableCreditTypeDescriptor	The type of credits or units of value awarded for the completion of a course.	1. This field is optional, do not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
minimumAvailableCreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	1. This field is optional, do not report.	O		
minimumAvailableCredits	The minimum amount of credit available to a student who successfully completes the course.	1. This field is optional, do not report.	O		
minimumAvailableCreditTypeDescriptor	The type of credits or units of value awarded for the completion of a course.	1. This field is optional, do not report.	O		
numberOfParts	The number of parts identified for a course.	1. Report the value selected in the SCED Sequence "Part m" field.. 2. If NULL, report '1'.	M	Scheduling> Course> SCED Sequence (part m)	course.s Sequenc
offeredGradeLevels	An unordered collection of courseGradeLevels. This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis.	1. This field is optional, do not report.	O		
timeRequiredForCompletion	The actual or estimated number of clock minutes required for class completion. This number is especially important for career and technical education classes and may represent (in minutes) the clock hour requirement of the class.	1. This field is optional, do not report.	O		
etag	A unique system-generated value that identifies the version of the resource.	1. This field is optional, do not report.	O		

Arrays

▸ Click here to expand...

Type/Descriptor

▸ Click here to expand...