Indiana Ed-Fi Data v2.4/3.1 - Course Transcripts

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This entity is the final record of a student's performance in their courses at the end of a semester or school year.

> - Students with hand entered Course Transcript records may not report if there is no section to tie back to for the term.
> - The Sessions, Course Offerings, Sections, and Locations resources all need to be present for the Course Transcripts resource to process and send.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger

Post	When transcript records are posted for a student and they have a valid Student School Association for the configured year.
	Or
	When a resync is completed for the school the student is enrolled, all eligible transcript records for all years will send for the Student
	
	• Do not send a record if the course is marked as inactive.
	• The course must exist in the ODS for the Course Reference to send as part of this resource. Use the following logic to determine which Course Reference to send:
	  ○ If the School Number and Course Number on the transcript record are in the configured year ODS, report the Course reference with those numbers.
	  ○ if School Number and Course Number on the transcript record are in the ODS for the configured year but not the school where the student is enrolled, report the course reference with the School and Course Number that matches the School & Course in the ODS.
	  ○ If School Number on the transcript record is in the ODS for the configured year but not the school where the student is enrolled but the Course number matches the school they are enrolled, the course reference will report with the School Number where the student is enrolled.
	  ○ If the School Number on the transcript record is not in the ODS and the course number matches the school where the student is enrolled, the course reference will report where the student is enrolled.
	  ○ If the School Number on the transcript is not in the ODS but the Course Number matches a school where the student is not enrolled, the course reference will report with the school where the course match is found. If there is more than 1 school with that course number, pick the school with the highest schoolID.
	  ○ If the School Number on the transcript is not in the ODS and the course number does not match any course in the district, a record will not send and will not trigger an error.
	• Do not send a record if the transcript's score is null.

Post/Delete	When any part of the Natural Key is changed.
Put	When fields that are not part of the natural key are changed.
Delete	When a transcript record is deleted for a student.
Delete	All Transcript records will only delete when a student has only 1 Student School Association record for a specific Year and that record is deleted. (Note: If a new Student School Association record is created, existing records will not re-post, a resync must be completed to resend the 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.
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
Post/Delete	Natural Key changes: • If the Natural Key changes from the Course Reference or Student Academic Reference, the cascading delete/post logic from those resources will trigger updates to the Course Transcripts. • Records will delete/post if the Credits Earned or Credits Attempted are changed on a student's transcript record.

Scope Year Logic

This table describes scope year logic of this object.

Logic
Transcript records will send to each scope year where the student has a Student School Association, regardless of the Transcript School Year. • Data will only send for years that have valid configuration. • A resync must be completed at the beginning of each year so that all years transcript records will be loaded in the ODS.

Identity Mapping Object Key

campusObjectType	Object Key Data Source
TranscriptCourse	transcriptID

Event Queue Detail

This table describes the Event Queue Detail of this object.

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

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courseAttemptResultTYPE	The result from the student's attempt to take the course, for example: Pass, Fail, Incomplete, Withdrawn.
	
	This is a TYPE not a Descriptor. See Types list below.
		When reporting from Transcript Records use the Credits Earned vs. Credit Attempted to determine the result.
		1. Report the Ed-Fi Code from the mapping for the following options:
		   ◦ When the sum of credits Earned is >= the sum of credits Attempted.
		   ◦ When the sum of credits Earned is blank or = 0.
		   ◦ When the sum of credits Earned is not blank or = 0 and < than the sum of credits Attempted.
			M	Student Informatio Transcripts > Earn
				
				AND
				
				Student Informatio Transcripts > Atter
				
				transcriptcredit. creditsAttempted
				
				AND
				
				transcriptcredit. creditsEarned

courseReference	A reference to the related Course resource.	Reports the Natural Key fields for the Course resource.
		
		1. EducationOrganizationID
		   ◦ 10+District+0000.
		2. CourseCode
		   ◦ stateCode of the course.
		
		Notes:
		1. EdOrgID of the course Reference is the District OrgID:
		   ◦ Must be 10+District+0000
		2. CourseCode must report as 'Code'.
			M	

schoolReference	The identifier assigned to an education organization.	Reports the EducationOrganization information for the district. 1. Reports the schoolID: • 10+District+School	M	

studentAcademic RecordReference	A reference to the related Student Academic Record resource.	Reports the Natural Key fields for the Student Academic Record resource.
		
		1. StudentUniqueID
		   ◦ Student's EdFiID
		2. EducationOrganizationID
		   ◦ 10+District+School
		3. SchoolYear
		   ◦ YYYY of the EndYear of the current SchoolYear
		4. TermDescriptor
		   ◦ Term of the course/section on the transcript.
		
		Note: TermDescriptor must be within the Student Academic Record Reference
			M	

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
alternativeCourseCode	The local code assigned by the school that identifies the course offering, the code from an external educational organization, or other alternate course code.	Report the Course Number from the transcript record.	O	Student Informatic Transcripts > Cour transcriptcourse. courseNumber
alternativeCourseTitle	The descriptive name given to a course of study offered in the school, if different from the Course Title.	Report the Course Name from the transcript record.	O	Student Informatic Transcripts > Cour transcriptcourse. courseName
attemptedCreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O	
attemptedCredits	The number of credits attempted for a course.	Report the sum of credits from the Attempted field on the Transcript record being reported	O	Student Informatic Transcripts > Atter transcriptcredit. creditsAttempted
attemptedCredit TypeDescriptor	The type of credits or units of value attempted for the completion of a course.	This is optional, does not report.	O	
courseRepeat CodeDescriptor	Indicates that an academic course has been repeated by a student and how that repeat is to be computed in the student's academic grade average.	This is optional, does not report.	O	
CourseTitle	Reports the name of the course completed.	Report the Course Name from the transcript record.	O	Student Informatic Transcripts > Cour transcriptcourse. courseName
earnedadditionalCredits	An unordered collection of courseTranscriptAdditionalCredits. This entity is the final record of a student's performance in their courses at the end of a semester or school year.	This is optional, does not report.	O	
earnedCreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O	
earnedCredits	The number of credits awarded or earned for the course.	Report the sum of credits from the Earned field on the Transcript record being reported.	M	Student Informatic Transcripts > Earn transcriptcredit.cre

Data Element Label	Business Requirement	Business Rules	M, C or O	Location

earnedCreditTypeID	The type of credits or units of value awarded for the completion of a course	Reports as creditType:
		1. Report this as Regular credit, unless
		  ◦ Student's course/section is set as Applied Unit, OR
		  ◦ Student's Enrollment is set as Dual Credit
		    1. If course/section = Applied Unit - Report 'Applied Unit'.
		    2. If enrollment = Dual Credit - Report as Dual Credit.
			C	Applied Unit: Cour
				Course > Applied U
				Applied Unit if drop
				Attempted Applied
				
				Dual Credit: Stude
				Information > Gen
				Enrollments > Stat
				Fields > Dual Cred
				Credit' if any select
				other than NULL or
				applicable for this :

finalLetterGradeEarned	The final letter grade earned for the course.	Determine if the posted score is an integer or not: 1. If the posted value is not an Integer, then report the posted score here. 2. If the posted value is an Integer, then report in Final Number Grade Earned field below.	O	Student Informatio Transcripts > Curre transcriptcourse.sc
finalNumericGradeEarned	The final numeric grade earned for the course.	1. Report the unweighted GPA value 2. The state is accepting values: 0.0 - 4.0 3. If unweighted GPA value is N.N5 up to N.N9 round up. Example: 3.66 - rounds up to 3.7 4. If unweighted GPA value is N.N4 down to N.N0 report first as is N. Example: 3.64 reports as 3.6	C	Student Informatio Transcripts > Unwe Value
methodCreditEarnedType	The method the credits were earned, for example: Classroom, Examination, Transfer.	This is optional, does not report.	O	
whenTakengradeLevelDescriptor	The student's grade level at time of the course.	If the grade selected on the transcript record matches a valid Ed-Fi code, report the grade. • When no matching grade found with a grade level mapping, do not report this property.	O	Student Info > Ger Transcript > Trans Editor > Grade

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
postSecondaryInstitution	Students with Dual Credit need to report the post secondary institution that makes this Dual Credit.	When earnedCreditType = Dual Credit, send a value in postSecondaryInstitution: • If the Post Secondary Institution is populated on the transcript entry, report the code value of that institution. • If the Post Secondary Institution is NOT populated on the transcript entry, report '97 Other'	C	Index > Course/Se > Course > Post Se Institution drop list Index > Student In > General > Trans Transcript Entry > Additional Informat Secondary Instituti definition.postSeco
courseEducationOrganizationID	The state owns the course /curricular material.	Report states Ed Org ID 1088000000	M	Hardcoded Value

Types/Descriptors

▸ Click here to expand...

Post Secondary Institution

Code	Description	Namespace	Short Description
00	NOT APPLICABLE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	NOT APPLICABLE
01	ANDERSON UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	ANDERSON UNIVERSIT
02	BALL STATE UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	BALL STATE UNIVERSIT
03	BETHEL UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	BETHEL UNIVERSITY
04	BUTLER UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	BUTLER UNIVERSITY
05	CALUMET COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	CALUMET COLLEGE
06	DEPAUW UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	DEPAUW UNIVERSITY
07	EARLHAM COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	EARLHAM COLLEGE
09	FRANKLIN COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	FRANKLIN COLLEGE
10	GOSHEN COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	GOSHEN COLLEGE
11	GRACE COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	GRACE COLLEGE
12	HANOVER COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	HANOVER COLLEGE
13	HUNTINGTON UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	HUNTINGTON UNIVERS
14	UNIVERSITY OF INDIANAPOLIS	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	UNIVERSITY OF INDIANAPOLIS
15	INDIANA STATE UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA STATE UNIVERSITY
16	UNIVERSITY OF SOUTHERN INDIANA	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	UNIVERSITY OF SOUTH INDIANA
17	INDIANA UNIVERSITY/BLOOMINGTON	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA UNIVERSITY/BLOOMING
18	PURDUE UNIVERSITY/FORT WAYNE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	PURDUE UNIVERSITY/F WAYNE
19	INDIANA UNIV/PURDUE UNIV/INDIANAPOLIS	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA UNIV/PURDUE UNIV/INDIANAPOLIS
20	INDIANA UNIVERSITY/KOKOMO	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA UNIVERSITY/KOKOMO

Code	Description	Namespace	Short Description
21	INDIANA UNIVERSITY/NORTHWEST	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA UNIVERSITY/NORTHWE
22	INDIANA UNIVERSITY/SOUTH BEND	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA UNIVERSITY/SOUTH BE
23	INDIANA UNIVERSITY/SOUTHEAST	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA UNIVERSITY/SOUTHEAS
24	MANCHESTER UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	MANCHESTER UNIVERS
25	MARIAN UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	MARIAN UNIVERSITY
26	INDIANA WESLEYAN UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA WESLEYAN UNIVERSITY
27	OAKLAND CITY UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	OAKLAND CITY UNIVER
29	PURDUE UNIVERSITY/WEST LAFAYETTE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	PURDUE UNIVERSITY/W LAFAYETTE
30	OLIVET NAZARENE UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	OLIVET NAZARENE UNIVERSITY
31	UNIVERSITY OF SAINT FRANCIS	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	UNIVERSITY OF SAINT FRANCIS
33	SAINT MARY'S COLLEGE/NOTRE DAME	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	SAINT MARY'S COLLEGE/NOTRE DAME
34	SAINT MARY-OF-THE-WOODS COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	SAINT MARY-OF-THE-WOODS COLLEGE
36	TAYLOR UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	TAYLOR UNIVERSITY
37	TRINE UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	TRINE UNIVERSITY
38	UNIVERSITY OF EVANSVILLE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	UNIVERSITY OF EVANSVILLE
39	UNIVERSITY OF NOTRE DAME	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	UNIVERSITY OF NOTRE DAME
40	VALPARAISO UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	VALPARAISO UNIVERSIT
41	WABASH COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	WABASH COLLEGE
42	INDIANA UNIVERSITY/EAST	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA UNIVERSITY/E
43	INDIANA UNIV/PURDUE UNIV/COLUMBUS	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA UNIV/PURDUE UNIV/COLUMBUS
44	IVY TECH	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	IVY TECH
45	AMERICAN COLLEGE OF EDUCATION	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	AMERICAN COLLEGE O EDUCATION
46	ANCILLA COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	ANCILLA COLLEGE
47	HOLY CROSS COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	HOLY CROSS COLLEGE
48	INDIANA TECH	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	INDIANA TECH
49	MARTIN UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	MARTIN UNIVERSITY
50	ROSE-HULMAN INSTITUTE OF TECHNOLOGY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	ROSE-HULMAN INSTITU OF TECHNOLOGY
52	WESTERN GOVERNORS UNIVERSITY/INDIANA	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	WESTERN GOVERNORS UNIVERSITY/INDIANA
57	MORAINE VALLEY COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	MORAINE VALLEY COLL
60	CENTRAL CHRISTIAN COLLEGE OF KANSAS	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	CENTRAL CHRISTIAN COLLEGE OF KANSAS
66	SOUTHWESTERN MICHIGAN COLLEGE	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	SOUTHWESTERN MICH COLLEGE
67	PURDUE UNIVERSITY NORTHWEST	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	PURDUE UNIVERSITY NORTHWEST
95	VINCENNES UNIVERSITY	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	VINCENNES UNIVERSIT

Code	Description	Namespace	Short Description
97	OTHER	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	OTHER
99	FOREIGN COUNTRY - Institution located in	http://doe.in.gov/Descriptor/PostSecondaryInstitutionDescriptor.xml	FOREIGN COUNTRY - Institution located in

References

References of the courseTranscript Resource in Indiana

References	Details	Notes
StudentAcademicRecord	1. StudentUniqueID ◦ Student's EdFiID 2. EducationOrganizationID ◦ 10+District+School 3. SchoolYear ◦ YYYY of the EndYear of the current SchoolYear 4. TermDescriptor ◦ Term of the course/section on the transcript	TermDescriptor must be within the StudentAcademicRecordReference
SchoolReference	schoolID = 10+District+School	
CourseReference	1. EducationOrganizationID (DE3000) ◦ 1088000000 2. CourseCode ◦ stateCode of the course	1. EdOrgID of the course Reference is the District OrgID ◦ Must be 1088000000 2. CourseCode must report as 'Code'