

Course Transcripts (Indiana v3.6)

Last Modified on 05/14/2025 9:58 am CDT

You are viewing a previous version of this article. See the [Indiana Ed-Fi](#) article for the most current information.

[Summary](#) | [Object Triggering Logic](#) | [Required Resources \(Upstream\)](#) | [Dependent Resources \(Downstream\)](#) | [Error Log](#) | [Object Data Elements](#)

Summary

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

Object Triggering Logic

Action	Business Rule
POST	<p>Report a record when transcript records are posted for a student in the current configuration year. OR When the student is in a non-high school course (State Code format is #####.## which is alphanumeric) and is eligible to report a Student Section Association.</p> <ul style="list-style-type: none"> Do not send a record if any of the following exclusions are present: <ul style="list-style-type: none"> Course is marked as inactive Transcript's score is NULL School Exclude is checked Calendar Exclude is checked Student's Enrollment is State Exclude Student's Enrollment is No Show The transcript record can be posted through the Transcript Post tool or through a manual entry. If reporting through a non-high school course, reports one Course Transcript record per Student Section Association record that is reporting. For a manual transcript entry to post a record without error, all of the below fields must be populated on the transcript: <ul style="list-style-type: none"> School Year School Number District Number Grade Course Number Course Name State Code Score Unweighted GPA Value Credits Earned Credits Attempted Ed-Fi Term Type (or have a mapped override) Important: Indiana DOE has a Tier 2 validation that states you must have a 1:1 relationship between Student Section Association records and Course Transcript records. <ul style="list-style-type: none"> If you are reporting 1 Student Section Association for a given student, IDOE expects 1 Course Transcript for that student. If you are reporting 2 Student Section Associations for a given student, IDOE expects 2 Course Transcripts for that student. Etc.

Action	Business Rule
DELETE / POST PUT	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> When the following information is changed on a transcript entry: <ul style="list-style-type: none"> Transcript ID (New Transcript Entry) Course Name Course Number District Number End Year Grade School Number Score Score ID Unweighted GPA Value Credit Earned Method Credits Attempted Credits Earned Ed-Fi Term Override Dual Credit Applied Units Ed-Fi Course Result Override When any information is changed on a Section Student Detail record. When the following information is changed on an Enrollment: <ul style="list-style-type: none"> End Date Grade No Show Start Date State Exclude When the following information is changed on a Course: <ul style="list-style-type: none"> Active State Code State Exclude When the following information is changed on a Section: <ul style="list-style-type: none"> Section Placement (Terms the Section is scheduled into) When the following information is changed on the Roster for the student: <ul style="list-style-type: none"> Start Date End Date
DELETE	<ul style="list-style-type: none"> When the transcript record is deleted. When the student is somehow excluded now. When the section is somehow excluded now. <ul style="list-style-type: none"> Only for non-high school courses logic.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Courses (Pre-populated)
- Students
- Student School Associations
- Student Academic Records

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A

Error Log

Error	Possible Causes / How to Correct
N/A	N/A

Object Data Elements

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

Data Element Label	Business Rules	Mandatory (M), Conditional (C), or Optional (O)	Data Source Path Database Field
courseAttemptResultDescriptor (<i>string</i>)	<p>The result from the student's attempt to take the course.</p> <p>Report the Ed-Fi Course Result Override.</p> <ul style="list-style-type: none"> If NULL, follow the logic below. <p>If reporting from a Transcript Entry: Report based on the Ed-Fi Code mapped to each specific description. The default settings are listed below (but the mappings can be changed in Resource Preferences):</p> <ul style="list-style-type: none"> Report No Grade Awarded when the sum of Credits Attempted is 0. Report Fail when the sum of Credits Earned is 0. Report Incomplete when the sum of Credits Earned < the sum of Credits Attempted. Report Pass when the sum of Credits Earned >= the sum of Credits Attempted. <p>If reporting from a non-high school course (K-8 Outcomes):</p> <ul style="list-style-type: none"> Report the Ed-Fi Code mapped to the value selected for Course Outcome on the student's most recent (latest Start Date) Section Student Detail record. <ul style="list-style-type: none"> This outcome will be used for all Course Transcript records generated for this Section. The Section Student Detail record will not be considered if it is excluded. Report Pass in all other situations. 	M	<p>Transcript</p> <p>TranscriptCourse.edFiC TranscriptCredit.credits TranscriptCredit.credits SectionStudentDetailV</p>
courseReference (<i>reference</i>)	<p>A reference to the Courses resource associated with the Course Transcript being reported.</p> <p>Reports the fields that are part of the Natural Key for the Course resource.</p> <ul style="list-style-type: none"> courseCode = State Code educationOrganizationId = 1088000000 (Hard-Coded) <ul style="list-style-type: none"> This is IDOE's educationOrganizationId. IDOE owns all courses. 	M	N/A
externalEducationOrganizationReference (<i>reference</i>)	<p>A reference to the Schools resource associated with the Course Transcript being reported if taken at an external organization.</p> <p>Report the code value associated with the value selected for Post Secondary Institution on the transcript entry.</p> <ul style="list-style-type: none"> Example: If Post Secondary Institution was set to the value '2000000174: Anderson University' then we would report 2000000174 for the educationOrganizationId. 	M	<p>Transcript</p> <p>TranscriptCourse.colleg</p>
studentAcademicRecordReference (<i>reference</i>)	<p>A reference to the Student Academic Records resource associated with the Course Transcript being reported.</p> <p>Reports the fields that are part of the Natural Key for the Student Academic Record resource.</p>	M	N/A

Data Element Label	Business Rules	Mandatory (M), Conditional (C), or Optional (O)	Data Source Path Database Field
alternativeCourseCode (string)	<p>The local code assigned by the school that identifies the course offering, the code from an external educational organization, or other alternate course code.</p> <p>Reports the Course Number on the transcript entry.</p>	M	<p>Transcript</p> <p>transcriptcourse.course</p>
attemptedCredits (number)	<p>The value of credits or units of value awarded for the completion of a course.</p> <p>Report the Credits Attempted on the transcript entry.</p>	M	<p>Transcript</p> <p>transcriptcredit.credits,</p>
courseTitle (string)	<p>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, language arts).</p> <p>Reports the Course Name on the transcript entry.</p>	C	<p>Transcript</p> <p>transcriptcourse.course</p>
earnedCredits (number)	<p>The value of credits or units of value awarded for the completion of a course.</p> <p>If reporting from a Transcript Entry:</p> <ul style="list-style-type: none"> Report the Credits Earned. <p>If reporting from a non-high school course (K-8 Outcomes):</p> <ul style="list-style-type: none"> Report 0. 	M	<p>Transcript</p> <p>transcriptcredit.creditsI</p>
earnedCreditTypeDescriptor (string)	<p>The type of credits or units of value awarded for the completion of a course.</p> <ul style="list-style-type: none"> Report as Dual Credit if Post Secondary Institution has a value that is mapped to an Ed-Fi Code. Report as Applied Unit if Applied Units is set to Y: Attempted Applied Units Report as Regular Credit in all other scenarios. <p>The priority for reporting is Dual Credit > Applied Unit > Regular Credit</p>	C	<p>Transcript</p> <p>TranscriptCourse.colleg TranscriptCourse.altAc</p>
externalEducationOrganization NameOfInstitution (string)	<p>Name of the external institution where the student completed the course; to be used only when the reference external education organization is not available.</p> <p>If externalEducationOrganizationReference fails to send because the code that attempted to send does not match a pre-populated record in the postSecondaryInstitutions resource, then report the Name of the value selected for Post Secondary Institution on the transcript entry.</p> <ul style="list-style-type: none"> Example: If Post Secondary Institution was set to the value '00: Not Applicable' then we would report Not Applicable for the externalEducationOrganizationNameOfInstitution. 	C	<p>Transcript</p> <p>TranscriptCourse.colleg</p>

Data Element Label	Business Rules	Mandatory (M), Conditional (C), or Optional (O)	Data Source Path Database Field
finalLetterGradeEarned (string)	<p>The final indicator of student performance in a class as submitted by the instructor.</p> <p>Report the Score.</p>	C	<p>Transcript</p> <p>TranscriptCourse.score</p>
finalNumericGradeEarned (number)	<p>The final indicator of student performance in a class as submitted by the instructor.</p> <p>Report the Unweighted GPA Value:</p> <ul style="list-style-type: none"> Only report in format N.N or 0. Only report on a scale from 0 to 4.0 Round up to the nearest tenth decimal if the reported score is N.N5 or higher. <ul style="list-style-type: none"> Example: 3.651 should round up to report as 3.7. Round down to the nearest tenth decimal if the reported score is less than N.N5 <ul style="list-style-type: none"> Example: 3.649 should round down to report as 3.6. Anything above a 4.0 will report as 4.0. 	C	<p>Transcript</p> <p>TranscriptCourse.unwe</p>
methodCreditEarnedDescriptor (string)	<p>The method the credits were earned.</p> <p>If reporting from a Transcript Entry:</p> <ul style="list-style-type: none"> Report the Ed-Fi Code mapped to the value selected in Credit Earned Method on the transcript entry. <p>If reporting from a non-high school course (K-8 Outcomes):</p> <ul style="list-style-type: none"> Report Classroom Credit. 	C	<p>Transcript</p> <p>TranscriptCourse.credit</p>
whenTakengradeLevelDescriptor (string)	<p>Student's grade level at time of course.</p> <p>Report the Ed-Fi Code mapped to the value selected for Grade on the transcript entry.</p>	C	<p>Transcript</p> <p>TranscriptCourse.grade</p>
academicSubjects	This is optional, does not report.	O	N/A
alternativeCourseIdentification Codes	This is optional, does not report.	O	N/A
alternativeCourseTitle	This is optional, does not report.	O	N/A
assigningOrganizationIdentification Code	This is optional, does not report.	O	N/A
attemptedCreditConversion	This is optional, does not report.	O	N/A
attemptedCreditTypeDescriptor	This is optional, does not report.	O	N/A
courseCatalogURL	This is optional, does not report.	O	N/A
courseRepeatCodeDescriptor	This is optional, does not report.	O	N/A
creditCategories	This is optional, does not report.	O	N/A
earnedAdditionalCredits	This is optional, does not report.	O	N/A
earnedCreditConversion	This is optional, does not report.	O	N/A
partialCourseTranscriptAwards	This is optional, does not report.	O	N/A