MI Ed-Fi Suite 3 v6.2: Course Transcripts

July
2024

MI Ed-Fi Suite 3 v6.2: Course Transcripts

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

Action	Business Rule(s)
Post	When transcript records are posted for a student and they have a valid Student School Association for the configured year 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 • Do not send record if the School Exclude check box is checked • Do not send record if the Calendar Exclude check box is checked
Put	When any field not part of the Natural Key is changed

Transforming K12 Education®

Delete /Post	When any part of the Natural Key is changed
Delete	When a transcript record is deleted for a student 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

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Courses
- Student Academic Records

Dependent Resources (Downstream)

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

- N/A

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix

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.
- The Uses Core Template Rules column indicates if the element uses Infinite Campus Core Ed-Fi rules, has been Localized using DOE rules, or the element has been added by a DOE as an Extended Element.

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)

1	**courseAttemptResultDescriptor** (string)	*The result from the student"s attempt to take the course, for example: Pass, Fail, Incomplete, Withdrawn*
		
		1. When reporting from Transcript Records use the Credits Earned vs. Credit Attempted to determine the result
		
		  a. Report the Ed-Fi Code from the mapping for the following options:
		    i. When the sum of credits Earned is >= the sum of credits Attempted
		    ii. When the sum of credits Earned is blank or = 0
		    iii. When the sum of credits Earned is not blank or = 0 and < than the sum of credits Attempted
			M	Transcript	transcriptCredit. creditsAttempted
					
					transcriptCredit. creditsEarned
						Y

2	**courseReference** (reference)	*A reference to the related Course resource* 1. Reports the Natural Key fields for the Course resource	M	N/A	N/A	Y
3	**studentAcademicRecordReference** (reference)	*A reference to the related Student Academic Record resource* 1. Reports the Natural Key fields for the Student Academic Record resource	M	N/A	N/A	Y
4	alternativeCourseCode (string)	*The local code assigned by the school that identifies the course offering, the code from an external educational organization, or other alternate course code* 1. Report the Course Number from the transcript record	O	Transcript	transcriptCourse. courseNumber	Y
5	alternativeCourseTitle (string)	*The descriptive name given to a course of study offered in the school, if different from the CourseTitle.* 1. Report the Course Name from the transcript record	O	Transcript	transcriptCourse. courseName	Y

Transforming K12 Education®

6	attemptedCredits *(number)*	*The number of credits attempted for a course* 1. Report the sum of credits from the Attempted field on the Transcript record being reported	O	Transcript	transcriptCredit. creditsAttempted	
7	courseTitle *(string)*	*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).* 1. Report the Course Name from the transcript record	O	Transcript	transcriptCourse. courseName	Y
8	**earnedCredits** *(number)*	*The number of credits awarded or earned for the course* 1. Report the sum of credits from the Earned field on the Transcript record being reported	M	Transcript	transcriptCredit. creditsEarned	Y

Transforming K12 Education®

9	finalLetterGradeEarned *(string)*	*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	Transcript	transcriptCourse. score	Y

10	finalNumericGradeEarned
	
	(number)
		The final numeric grade earned for the course
		
		1. Determine if the posted score is an integer or not:
		  a. If the posted value is an Integer, then report the posted score here
		  b. If the posted value is not an Integer, then report in Final Letter Grade Earned field above.
			O	Transcript	transcriptCourse. score	Y

11	earnedadditionalCredits *(array)*	1. 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., <hr> 1. Reports College Credit from associated Grading Task 2. See array for field logic. 3. This field is only reported if the student has a grading task with associated credit to report.	O	N/A	N/A	N
12	whenTakengradeLevelDescriptor	1. This is optional, does not report	O	N/A	N/A	N
13	methodCreditEarnedType	1. This is optional, does not report	O	N/A	N/A	Y
14	earnedCreditTypeDescriptor	1. This is optional, does not report	O	N/A	N/A	Y
15	earnedCreditConversion	1. This is optional, does not report	O	N/A	N/A	Y
16	earnedadditionalCredits	1. This is optional, does not report	O	N/A	N/A	Y
17	courseRepeatCodeDescriptor	1. This is optional, does not report	O	N/A	N/A	Y

Transforming K12 Education®

18	attemptedCreditTypeDescriptor	1. This is optional, does not report	O	N/A	N/A	Y
19	attemptedCreditConversion	1. This is optional, does not report	O	N/A	N/A	Y
20	externalEducationOrganziationReference	1. This is optional, does not report	O	N/A	N/A	Y

Arrays

Earned Additional Credits

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)
1	**additionalCreditTypeDescriptor** (string)	*The type of credits awarded or earned for the course.,* 1. Report 'Dual credit'	M	Transcript		N

| 2 | **credits**

(number) | *The number of credits awarded or earned for the course.*

---

1. Reports credit from grading task X credit coefficient associated with the Score the student received.
   a. Grading task must have State Reported = Selected and a Code = CC64b.
   b. Grading task is determined from sectionID found on the transcript record. | M | Transcript | | N |