

# Course Transcripts (Core v3.X)

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Tool Search: Ed-Fi

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

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	<p>When transcript records are posted for a student and they have a valid Student School Association for the Scoped Year.</p> <p>or</p> <p>When a resync is completed, all valid transcript records for all years will send for the Student.</p> <ul style="list-style-type: none"> <li>Do not send a record if the course is marked as inactive or state exclude.</li> <li>Do not send a record if the course is marked as inactive or state exclude.</li> <li>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: <ul style="list-style-type: none"> <li>If the School Number and Course Number on the transcript record are in the configured year ODS, report the Course reference with those numbers.</li> <li>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 &amp; Course in the ODS.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ul> </li> <li>Do not send a record if the transcript's score is null.</li> <li>Do not send record if the School Exclude check box is checked.</li> <li>Do not send record if the Calendar Exclude check box is checked.</li> <li>Only send Course Transcript records for the configuration year(s) selected in Resource Preferences on Student Academic Records. <ul style="list-style-type: none"> <li>If "Send Data for Current Year Records Only?" is unchecked, Course Transcript records should be sent for ALL years, regardless of the configuration year selected in the Ed-Fi Connection.</li> <li>If "Send Data for Current Year Records Only?" is checked, Course Transcript records should only be sent for the configuration year selected in the Ed-Fi Connection.</li> </ul> </li> </ul>
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.

Action	Trigger
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 change: <ul style="list-style-type: none"> <li>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.</li> <li>Records will delete/post if the Credits Earned or Credits Attempted are changed on a student's transcript record.</li> </ul>

## 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. <ul style="list-style-type: none"> <li>Data will only send for years that have valid configuration.</li> <li>A resync must be completed at the beginning of each year so that all years transcript records will be loaded in the ODS.</li> </ul>

## Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Credit Earned/Attempted	Course Attempt Result Descriptor

## Identity Mapping Object Key

Campus Object Type	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 Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
<b>courseAttemptResultDescriptor</b>	The result from the student's attempt to take the course, for example: Pass, Fail, Incomplete, Withdrawn.	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: <ul style="list-style-type: none"> <li>When the sum of credits Earned is <math>\geq</math> the sum of credits Attempted.</li> <li>When the sum of credits Earned is blank or = 0.</li> <li>When the sum of credits Earned is not blank or = 0 and <math>&lt;</math> than the sum of credits Attempted.</li> </ul>	M	Student Information> General> Transcripts> Earned  AND  Student Information> General> Transcripts> Attempted	transcriptcreditsAttempted  AND  transcriptcreditsEarned
<b>courseReference</b>	A reference to the related Course resource.	Reports the Natural Key fields for the Course resource.	M		
externalEducationOrganizationReference	The identifier assigned to an education organization.		O		
<b>studentAcademicRecordReference</b>	A reference to the related Student Academic Record resource.	Reports the Natural Key fields for the Student Academic Record resource.	M		
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 Information> General> Transcripts> Course Number	transcriptcourseNumber

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
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 Information> General> Transcripts> Course Name	transcriptcol courseName
attemptedCredit Conversion	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 Information> General> Transcripts> Attempted	transcriptcre creditsAttem
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 Information> General> Transcripts> Course Name	transcriptcol courseName
earnedadditional Credits	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		
earnedCredit Conversion	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 Information> General> Transcripts> Earned	transcriptcre creditsAttem
earnedCredit TypeDescriptor	The type of credits or units of value awarded for the completion of a course.	This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
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 Information> General> Transcripts> Current Score	transcriptcol score
finalNumericGradeEarned	The final numeric grade earned for the course.	Determine if the posted score is an integer or not: 1. If the posted value is an Integer, then report the posted score here. 2. If the posted value is not an Integer, then report in Final Letter Grade Earned field above.	O	Student Information> General> Transcripts> Current Score	transcriptcol score
methodCreditEarnedType	The method the credits were earned, for example: Classroom, Examination, Transfer.	This is optional, does not report.	O		
whenTakengradeLevelDescriptor	Student's grade level at time of course.	If the grade selected on the transcript record matches a valid Ed-Fi code, report the grade. 1. When no matching grade found with a grade level mapping, do not report this property.	O	Student Info> General> Transcript> Transcript Course Editor> Grade	

## Type/Descriptor

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### Course Attempt Result Descriptor

Code Value	Description	Namespace	Short Description
Pass	Pass	uri://ed-fi.org/CourseAttemptResultDescriptor	Pass
Incomplete	Incomplete	uri://ed-fi.org/CourseAttemptResultDescriptor	Incomplete
Fail	Fail	uri://ed-fi.org/CourseAttemptResultDescriptor	Fail
Withdrawn	Withdrawn	uri://ed-fi.org/CourseAttemptResultDescriptor	Withdrawn