

Ed-Fi 3.x Course Transcript Entity Mapping

Overview

This document defines the mapping of Aeries data to the Ed-Fi data standard.



Document Version 1.0

Last Updated 05 Nov 2021

Status

Ready for v3 certification.

Description

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

Course Transcript Links

Mapping v3.2.0-c

<https://mappingedu.ed-fi.org/#!/entity/bdff6748-e7ba-ea11-80df-005056b36109/info?dataStandardId=7ec6133d-e7ba-ea11-80df-005056b36109>

Schema v3.2.0-c

<https://schema.ed-fi.org/datahandbook-v320c/#!/CourseTranscript552>

API v3.4.0

<https://api.ed-fi.org/v3.4.0/docs/index.html#/courseTranscripts>

Scenarios v3

<https://techdocs.ed-fi.org/display/EDFICERT/v3+Student+Transcript+%3E+CourseTranscript+Scenarios>

Natural Key

- CourseAttemptResultDescriptor
- CourseCode
- CourseEducationOrganizationId
- EducationOrganizationId
- SchoolYear
- StudentUniqueId
- TermDescriptor

Used By

- None

Mapping

Parent	Properties	Type	Required	Table	Field	Other	Code / Notes
\	alternativeCourseCode	String	Optional				
\	alternativeCourseIdentificationCodes	List (Of alternativeCourseIdentificationCode)	Optional				
alternativeCourseIdentificationCode[]	courselidentificationSystemDescriptor	String	Optional				
alternativeCourseIdentificationCode[]	assigningOrganizationIdentificationCode	String	Optional				
alternativeCourseIdentificationCode[]	courseCatalogURL	String	Optional				
alternativeCourseIdentificationCode[]	identificationCode	String	Optional				

\	alternativeCourseTitle	String	Optional				
\	assigningOrganization IdentificationCode	String	Optional				
\	attemptedCredit Conversion	Double	Optional				
\	attemptedCredits	Double	Required	HIS	CR	AttemptedCredits	GetNullableDouble(s ("AttemptedCredits"))
\	attemptedCreditType Descriptor	String	Optional				
\	courseCatalogURL	String	Optional				
\	courseAttemptResult Descriptor	String	Identity	HIS	MK		GetEdFiCodeValue(CourseAttemptResultD escriptor, "GRC", "MK", rowHIS!MK)
\	courseReference	CourseRefer ence	Required				
courseReference	courseCode	String	Identity	HIS	CN		GetString(s("CN"))
courseReference	educationOrganizationId	Integer	Identity			District ID or OutOfDisctrict School	GetNullableInteger (rowHIS!SCCOR)
\	courseRepeatCode Descriptor	String	Optional				
\	courseTitle	String	Optional				
\	creditCategories	List (Of String)	Optional				
creditCategory[]	creditCategory Descriptor	String	Optional				
\	earnedAdditionalCredits	List(Of CourseTrans cript EarnedAdditi onalCredits)	Optional				
earnedAdditional Credits[n]	additionalCreditType Descriptor	String	Optional				
earnedAdditional Credits[n]	credits	Double	Optional				
\	earnedCreditConversion	Double	Optional				
\	earnedCredits	Double	Required	HIS	CC	EarnedCredits	GetNullableDouble(s ("EarnedCredits"))
\	earnedCreditType Descriptor	String	Optional				
\	finalLetterGradeEarned	String	Required	HIS	MK		if IsNumeric(rowHIS! MK) = false GetString(rowHIS! MK)
\	finalNumericGrade Earned	Double	Required	HIS	MK		if IsNumeric(rowHIS! MK) = true GetNullableDouble (rowHIS!MK)
\	methodCreditEarned Descriptor	String	Optional				
\	whenTakenGradeLevel Descriptor	String	Optional				
\	studentAcademicRecord Reference	StudentAcad emic RecordRefer ence	Identity				
studentAcademic RecordReference	educationOrganizationId	Integer	Identity	STU	SC		GetNullableInteger (rowHIS!SC)
studentAcademic RecordReference	schoolYear	Integer	Identity	HIS	YR		GetSchoolYearFromInt (s("YR")) see function below
studentAcademic RecordReference	studentUniqueld	String	Identity	STU	ID		GetString(s("ID"))

studentAcademicRecordReference	termDescriptor	String	Identity	TDF	ST0-8	TermStateCode Based on HIS.TE 0-8	GetEdFiCodeValue(TermDescriptor, "TDF", "ST0", rowHIS! TermStateCode)
\	academicSubjects	List (Of Strings)	Optional				
academicSubjects[]	academicSubject Descriptor	String	Optional				
\	whenTakenGradeLevel Descriptor	String	Optional				
\	externalEducation OrganizationReference		Optional				
externalEducation OrganizationReference	educationOrganizationId	Integer	Optional			Nothing, District ID or OutOfDistrict School	GetNullableInteger (rowHIS!SCEXT)

Code

```

Public Shared Function GetSchoolYearFromInt(ByVal obj As Object) As
Integer?

    Dim schoolYear As Integer? = Nothing
    Dim year As Integer = 0

    If obj IsNot Nothing AndAlso Integer.TryParse(obj, year) Then
        If year < 1000 Then
            ' 2 or 3 digit year i.e. 18 will return 2018 or 118 will
return 2118
            schoolYear = 2000 + year
        ElseIf year < 9999 Then
            ' 4 digit year i.e. 2018 so return 2018 (or maybe 2118)
            schoolYear = year
        Else
            ' the data is corrupt so just return Nothing.
        End If
    End If

    Return schoolYear

End Function

```