

Ed-Fi 3.x Student Academic Record Entity Mapping

Overview

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



Document Version 1.0

Last Updated 06 Nov 2021

Status

Ready for v3 certification

Description

This educational entity represents the cumulative record of academic achievement for a student.

Student Academic Record Links

Mapping v3.2.0-c

<https://mappingedu.ed-fi.org/#!/entity/0d056848-e7ba-ea11-80df-005056b36109/info?dataStandardId=7ec6133d-e7ba-ea11-80df-005056b36109>

Schema v3.2.0-c

<https://schema.ed-fi.org/datahandbook-v320c/#!/StudentAcademicRecord586>

API v3.4.0

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

Scenarios v3

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

Natural Key

- EducationOrganizationId
- SchoolYear
- StudentUniqueId
- TermDescriptor

Used By

- CourseTranscript.StudentAcademicRecord (as required)

Mapping

| Parent | Properties | Type | Required | Table | Field | Other | Code / Notes |
|-------------------------------------|---------------------------------|---|----------|-------|-------|-------|--------------|
| \ | academicHonors | List(Of StudentAcademicRecordAcademicHonor) | Optional | | | | |
| studentAcademicRecordAcademicHonors | academicHonorCategoryDescriptor | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | achievementCategoryDescriptor | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | achievementCategorySystem | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | achievementTitle | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | criteria | Descriptor | Optional | | | | |

| | | | | | | | |
|-------------------------------------|---|---------------------------------------|----------|-----|----|--------------------------------|---|
| studentAcademicRecordAcademicHonors | criteriaURL | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | evidenceStatement | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | honorAwardDate | Date | Optional | | | | |
| studentAcademicRecordAcademicHonors | honorAwardExpiresDate | Date | Optional | | | | |
| studentAcademicRecordAcademicHonors | honorDescription | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | imageURL | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | issuerName | Descriptor | Optional | | | | |
| studentAcademicRecordAcademicHonors | issuerOriginURL | Descriptor | Optional | | | | |
| \ | classRanking | StudentAcademicRecordClassRanking | Optional | | | | |
| classRanking | classRank | String | Optional | | | | |
| classRanking | classRankingDate | Date | Optional | | | | |
| classRanking | percentageRanking | Integer | Optional | | | | |
| classRanking | totalNumberInClass | Integer | Optional | | | | |
| \ | cumulativeAttemptedCreditConversion | Double | Optional | | | | |
| \ | cumulativeAttemptedCredits | Double | Required | STU | CA | Cumulative Attempted Credits | GetNullableDouble(s ("CumulativeAttemptedCredits")) |
| \ | cumulativeAttemptedCreditTypeDescriptor | Descriptor | Optional | | | | |
| \ | cumulativeEarnedCreditConversion | Double | Optional | | | | |
| \ | cumulativeEarnedCredits | Double | Required | STU | CC | Cumulative Earned Credits | GetNullableDouble(s ("CumulativeEarnedCredits")) |
| \ | cumulativeEarnedCreditTypeDescriptor | Descriptor | Optional | | | | |
| \ | cumulativeGradePointAverage | Double | Required | STU | TP | Cummulative GradePoint Average | GetNullableDouble(s ("CummulativeGradePointAverage")) |
| \ | cumulativeGradePointsEarned | Double | Optional | | | | |
| \ | diplomas | List(Of StudentAcademicRecordDiploma) | Optional | | | | |
| studentAcademicRecordDiplomas | achievementCategoryDescriptor | Descriptor | Optional | | | | |
| studentAcademicRecordDiplomas | diplomaAwardDate | Date | Optional | | | | |
| studentAcademicRecordDiplomas | diplomaTypeDescriptor | Descriptor | Optional | | | | |
| studentAcademicRecordDiplomas | achievementCategorySystem | String | Optional | | | | |
| studentAcademicRecordDiplomas | achievementTitle | String | Optional | | | | |
| studentAcademicRecordDiplomas | criteria | String | Optional | | | | |

| | | | | | | | |
|------------------------------------|--------------------------------|---|-----------------|--|-----|----|-------------------------------|
| studentAcademicRecord Diplomas | criteriaURL | String | Optional | | | | |
| studentAcademicRecord Diplomas | cteCompleter | Boolean | Optional | | | | |
| studentAcademicRecord Diplomas | diplomaAwardExpiresDate | Date | Optional | | | | |
| studentAcademicRecord Diplomas | diplomaDescription | String | Optional | | | | |
| studentAcademicRecord Diplomas | diplomaLevelDescriptor | Descriptor | Optional | | | | |
| studentAcademicRecord Diplomas | evidenceStatement | String | Optional | | | | |
| studentAcademicRecord Diplomas | imageURL | String | Optional | | | | |
| studentAcademicRecord Diplomas | issuerName | String | Optional | | | | |
| studentAcademicRecord Diplomas | issuerOriginURL | String | Optional | | | | |
| \ | educationOrganizationReference | EducationOrganizationReference | Identity | | | | |
| educationOrganizationReference | educationOrganizationId | Integer | Identity | | STU | SC | GetNullableInteger(rowHIS!SC) |
| \ | gradeValueQualifier | String | Optional | | | | |
| \ | projectedGraduationDate | Date | Optional | | | | |
| \ | recognitions | List(Of StudentAcademicRecordRecognition) | Optional | | | | |
| studentAcademicRecord Recognitions | achievementCategoryDescriptor | Descriptor | Optional | | | | |
| studentAcademicRecord Recognitions | recognitionTypeDescriptor | Descriptor | Optional | | | | |
| studentAcademicRecord Recognitions | achievementCategorySystem | String | Optional | | | | |
| studentAcademicRecord Recognitions | achievementTitle | String | Optional | | | | |
| studentAcademicRecord Recognitions | criteria | String | Optional | | | | |
| studentAcademicRecord Recognitions | criteriaURL | String | Optional | | | | |
| studentAcademicRecord Recognitions | evidenceStatement | String | Optional | | | | |
| studentAcademicRecord Recognitions | imageURL | String | Optional | | | | |
| studentAcademicRecord Recognitions | issuerName | String | Optional | | | | |
| studentAcademicRecord Recognitions | issuerOriginURL | String | Optional | | | | |
| studentAcademicRecord Recognitions | recognitionAwardDate | Date | Optional | | | | |

| | | | | | | | |
|---------------------------------------|--|---|-----------------|-----|-------------|------------------------------|--|
| studentAcademicRecord Recognitions | recognitionAwardExpires Date | Date | Optional | | | | |
| studentAcademicRecord Recognitions | recognitionDescription | String | Optional | | | | |
| \ | reportCards | List(Of StudentAcademic RecordReportCard) | Optional | | | | |
| reportCardReference | gradingPeriodSchoolId | integer | Optional | | | | |
| reportCardReference | gradingPeriodSchoolYear | integer | Optional | | | | |
| reportCardReference | gradingPeriodSequence | integer | Optional | | | | |
| reportCardReference | studentUniqueId | String | Optional | | | | |
| reportCardReference | gradingPeriodDescriptor | String | Optional | | | | |
| reportCardReference | educationOrganizationId | integer | Optional | | | | |
| \ | schoolYearTypeReference | SchoolYearTypeRefer ence | Identity | | | | |
| schoolYearType Reference | schoolYear | Integer | Identity | HIS | YR | | GetSchoolYearFromInt(s("YR")) |
| \ | sessionAttemptedCredit Conversion | Double | Optional | | | | |
| \ | sessionAttemptedCredits | Double | Required | HIS | Sum(HIS.CR) | Session Attempted Credits | GetNullableDouble(s("SessionAttemptedCredits")) |
| \ | sessionAttemptedCredit TypeDescriptor | Descriptor | Optional | | | | |
| \ | sessionEarnedCredit Conversion | Double | Optional | | | | |
| \ | sessionEarnedCredits | Double | Required | HIS | Sum(HIS.CC) | Session Earned Credits | GetNullableDouble(s("SessionEarnedCredits")) |
| \ | sessionEarnedCredit TypeDescriptor | Descriptor | Optional | | | | |
| \ | sessionGradePointAverage | Double | Optional | | | | |
| \ | sessionGradePointsEarned | Double | Optional | | | | |
| \ | studentReference | StudentReference | Identity | | | | |
| studentReference | studentUniqueId | | Identity | HIS | PID | | GetString(s("PID")) |
| \ | termDescriptor | String | Identity | TDF | ST0 | TermStateCode | GetEdFiCodeValue(TermDescriptor, "TDF", "ST0", rowHIS!TermStateCode) |
| \ | gradePointAverages | List(Of gradePointAverages) | Optional | | | | |
| gradePointAverages | gradePointAverageType Descriptor | Descriptor | Optional | | | | |
| gradePointAverages | gradePointAverageValue | Decimal | Optional | | | | |
| gradePointAverages | isCumulative | Boolean | Optional | | | | |
| gradePointAverages | maxGradePointAverageV alue | Decimal | Optional | | | | |

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

```