Student Academic Records (Core v3.X)

Last Modified on 02/20/2025 9:46 am CST

Tool Search: Ed-Fi

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

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	Report a StudentAcademicRecord instance for each school year in which the student has a transcript record and they have a Student School Association record for the scoped year. • When Term Type cannot be determined on a Transcript record, provide an error with the following message, "Could not identify valid term type for transcript record". • We will post to update the Cumulative Earned Credits and Cumulative Attempted Credits fields when the Attempted and Earned Credit fields are updated or a new transcript record is added added/deleted with an Attempted/Earned Credit Value that is not null and is greater than 0. • Do not send a record if the transcript's score is null.
Post/Put	When a student is given a Diploma Date and Diploma Type. • Only post for the records in the Scope Year the Diploma Date is associated. • If the student already has SAR records from posted Transcript records, update existing records with the Diploma information. • If all of the student's transcript records are deleted, a new SAR will post from the Diploma Record. • If the student does not have any SAR records from posted Transcript records, create 1 record with the Term Descriptor that is aligned to the Term that the Diploma Date occurs in. • If the Term Descriptor cannot be determined, an error with the following message displays, "Could not identify a valid term type for diploma record" • If the Diploma date and/or Diploma Type fields are made NULL, the SAR record will delete.
Delete	If records are posted from course transcript records and no Diploma information exits, all Student Academic Records will only delete when a student has only 1 Student School Association record for a specific Year and all Student School Association records are deleted.
Delete	If a Graduation record is deleted and the student does not have any transcript records that would create a Student Academic Record.
Delete	If the Diploma Date is changed to no longer occur in the configured year and the student does not have any transcript records that would create a Student Academic Record.

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.
Delete	If a resource is toggled to 'OFF" after data has sent and an action is performed that would trigger a delete, that data will remain in the ODS until a resync is done.
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
Delete/Post	If any part of the Natural Key Changes • If the District Number changes all data will remain under the old number. The delete tool would need to be used to remove all old data.
Delete/Post	If an Ed-Fi ID changes, this will happen with the cascading deletes from the Ed-Fi ID Change trigger.
Delete/Post	If the End Year the transcript record or diploma record is aligned to changes.
Delete/Post	If the Term Descriptor is changed.
Delete/Post	If the natural key changes all dependent resources will delete/post.
Dependent Resources	Course Transcripts

Scope Year Logic

This table describes scope year logic of this object.

Logic
Records will send to each scope year in which the Course Transcript record is posted.
Records will only post to the SAR records for the year the diploma date occurs in but SAR records will post to all scoped years. • The Diploma Date must be on or after the school year's start date and on or before the school year's end date defined in the School Years editor. If blank, the default start date of 7/1/xxxx and end date of 6/30/xxxx are used.
Data will only send for years that have a valid configuration.

Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Ed-Fi Transcript Term Override	Term Descriptor for Course Transcripts
Term Descriptor	Term Descriptor for Course Transcripts
Graduation Diploma Type	Diploma Type Descriptors
Graduation Diploma Type	Achievement Category Descriptors

Identity Mapping Object Key

This table describes the Resource Preferences of this object.

Campus Object Type	Object Key Data Source
TranscriptCourse	transcriptID
Graduation	graduationID

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.
graduation	Post/Put/Delete	The primary table used for sending data for this resource.
transcriptcredit	Put	cumulativeAttemptedCredits, cumulativeEarnedCredits, sessionAttemptedCredits, sessionEarnedCredits

Object Data Elements

This table describes data elements sent within the Student Academic Records resource.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab
id	The unique identifier of the resource.		M		
termDescriptor	The term for the session during the school year.	1. When reporting Transcript records with an end year that is equal to the configured year and are posted from a course and have a scoreID: ○ Report the mapped Ed-Fi code for the value selected in "Ed-Fi Transcript Term Override" field on the transcript. ○ If Ed-Fi Transcript Term Override is NULL, report the mapped Term Descriptor based on the Course Ed-Fi Term Descriptor Override, else Section Ed-Fi Term Descriptor Override. ○ When the Ed-Fi Transcript Term Override field and the Ed-Fi Term Descriptor Override on both the Course Term and the Section Term Override fields are Null,	M		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab

		report the Term Descriptor for the term aligned to the Grading Score for the posted Grade
		○ Else, report the Ed-Fi Code from the Ed-Fi Transcript Term Descriptor Override in the SAR preferences.
		○ If a Term cannot be determined, provide error
		2. When reporting Transcript records with an end year that is not equal to the configured year and are posted from a course and have a scoreID:
		○ Report the mapped Ed-Fi code for the value selected in "Ed-Fi Transcript Term Override" field on the transcript.
		○ If the Ed-Fi Transcript Term Override field is NULL, look at the sequence from the term the score ID is aligned to in the year the record was posted. Then report the Term Descriptor from the term with the same sequence in the configured year in the same school.
		  ■ Use Primary Term schedule if there is more than 1 Term Schedule.
		  ■ If more than 1			

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab
		○ If more than 1 term schedule, report from the Primary term schedule ○ If the Diploma Date is aligned to more than 1 eligibile Term Descriptor, report the value from the highest TermId			
educationOrganization Reference	A reference to the related EducationOrganization resource.	1. Reports the District Number based on the Local Education Agency resource logic.	M		
schoolYearType Reference	A reference to the related SchoolYearType resource.	1. Reports the end year for the transcript record being reported. 2. Reports the end year to which the Diploma Date is aligned.	M		
studentReference	A reference to the related Student resource.	1. Reports the fields that are part of the Natural Key for the Student resource.	M		
academicHonors	An unordered collection of studentAcademicRecordAcademicHonors. This educational entity represents the cumulative record of academic achievement for a student.	1. This is optional, does not report.	O		
classRanking	This educational entity represents the cumulative record of academic achievement for a student.	1. This is optional, does not report.	O		
cumulativeEarned CreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	1. This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab
cumulativeAttempted Credits	The cumulative number of credits an individual earns by completing courses or examinations during his or her enrollment in the current school as well as those credits transferred from schools in which the individual had been previously enrolled.	1. Sum the total number of credits the student has attempted based on the total number of Credits Attempted the student has in the Transcript Credit table. 2. Report '0' if the student does not have any Attempted Credits Earned. ◦ This value will be the same for all Student Academic Records that are being updated, regardless of Term Type or Year. 3. If the student does not have any Course Transcript records and is only reporting from Graduation, this field will be NULL.	O	Student Information> General> Transcripts	Calcula from th credit t transcr table
cumulativeAttempted CreditTypeDescriptor	The type of credits or units of value awarded for the completion of a course.	1. This is optional, does not report.	O		
cumulativeAttempted CreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	1. This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab...
cumulativeEarned Credits	The cumulative number of credits an individual earns by completing courses or examinations during his or her enrollment in the current school as well as those credits transferred from schools in which the individual had been previously enrolled.	1. Sum the total number of credits the student has earned based on the total number of Credits Earned the student has in the Transcript Credit table. ○ Report '0' if the student does not have any Credits Earned. 2. This value will be the same for all Student Academic Records that are being updated, regardless of Term Type or Year. 3. If the student does not have any Course Transcript records and is only reporting from Graduation, this field will be NULL.	O	Student Information> General> Transcripts	Calcula... from th... credit f... transcr... table
cumulativeEarnedCredit TypeDescriptor	The type of credits or units of value awarded for the completion of a course.	1. This is optional, does not report.	O		
cumulativeGradePoint Average	A measure of average performance in all courses taken by an individual during his or her school career as determined for record-keeping purposes. This is obtained by dividing the total grade points received by the total number of credits attempted. This usually includes grade points received and credits attempted in his or her current school as well as those transferred from schools in which the individual was previously enrolled.	Reports the student's Cumulative GPA 1. This will report the same value on all eligible Student Academic Records that are eligible to report for the student for any year that has a valid configuration.	O	Student Information > General > Credit Summary	v_Cum...
cumulativeGradePoints Earned	The cumulative number of grade points an individual earns by successfully completing courses or examinations during his or her enrollment in the current school as well as those transferred from schools in which the individual had been previously enrolled.	1. This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab
diplomas	An unordered collection of studentAcademicRecordDiplomas. This educational entity represents the cumulative record of academic achievement for a student.	1. Reports when a student is given a Diploma Date and Diploma Type on their Graduation Record 　○ Only report in the Scope Year the Diploma Dates falls 　○ This value will be the same for all Student Academic Records that are being updated, regardless of Term Type	O		
gradeValueQualifier	The scale of equivalents, if applicable, for grades awarded as indicators of performance in schoolwork. For example, numerical equivalents for letter grades used in determining a student's Grade Point Average (A=4, B=3, C=2, D=1 in a four-point system) or letter equivalents for percentage grades (90-100%=A, 80-90%=B, etc.).	1. This is optional, does not report.	O		
projectedGraduation Date	The month and year the student is projected to graduate.	1. This is optional, does not report.	O		
recognitions	An unordered collection of studentAcademicRecordRecognitions. This educational entity represents the cumulative record of academic achievement for a student.	1. This is optional, does not report.	O		
reportCards	An unordered collection of studentAcademicRecordReportCards. This educational entity represents the cumulative record of academic achievement for a student.	1. This is optional, does not report.	O		
sessionAttempted CreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	1. This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab
sessionAttempted Credits	The number of an credits an individual attempted to earn in this session.	1. Sum the total number of credits the student has attempted in the reporting session based on the total number of Credits Attempted the student has in the Transcript Credit table. 　○ Sum the transcript records that are in the same end year and are aligned to the same Term Descriptor as the Student Academic Record. 　○ Report '0' if the student does not have any Credits Earned. 2. If the student does not have any Course Transcript records and is only reporting from Graduation, this field will be NULL.	O	Student Information> General> Transcripts	Calcula from th credit t transcr table
sessionAttemptedCredit TypeDescriptor	Key for Credit.	1. This is optional, does not report.	O		
sessionEarnedCredit Conversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	1. This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab...

sessionEarnedCredits	The number of an credits an individual earned in this session.	1. Sum the total number of credits the student has earned in the reporting session based on the total number of Credits Earned the student has in the Transcript Credit table.
		  ○ Sum the transcript records that are in the same end year that are aligned to the same Term Descriptor as the Student Academic Record.
		  ○ Report '0' if the student does not have any Credits Earned.
		2. If the student does not have any Course Transcript records and is only reporting from Graduation, this field will be NULL.
			O	Student Information> General> Transcripts	Calcula... from th... credit ... transcr... table

sessionEarnedCredit TypeDescriptor	Key for Credit.	1. This is optional, does not report.	O		
sessionGradePoints Earned	The number of grade points an individual earned for this session.	1. This is optional, does not report.	O		
sessionGradePoint Average	The grade point average for an individual computed as the grade points earned during the session divided by the number of credits attempted.	1. This is optional, does not report.	O		
etag	A unique system-generated value that identifies the version of the resource.	1. This is optional, does not report.	O		

Arrays

▸ Click here to expand...

Diplomas

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
DiplomaTypeDescriptor	The type of diploma/credential that is awarded to a student in recognition of his/her completion of the curricular requirements.	1. Report the Ed-Fi Code for the Diploma Type selected.	M	Student Information> General> Graduation	graduation.diplomaType
diplomaAwardDate	The month, day, and year on which the student met graduation requirements and was awarded a diploma.	1. Report the Diploma Date.	M	Student Information> General> Graduation	graduation.diplomaDate
achievementCategory Descriptor	This descriptor defines the category of achievement attributed to the learner.	1. Report the Ed-Fi Code from the mapping for this field based on the Diploma Type the student associated.	M	Student Information> General> Graduation	graduation.diplomaType
diplomaLevelDescriptor	The type of diploma/credential that is awarded to a student in recognition of his/her completion of the curricular requirements. Minimum high school program Recommended high school program Distinguished Achievement Program.	1. This is optional, does not report.	O		
achievementCategorySystem	The system that defines the categories by which an achievement is attributed to the learner.	1. This is optional, does not report.	O		
achievementTitle	The title assigned to the achievement.	1. This is optional, does not report.	O		
criteria	The criteria for competency-based completion of the achievement/award.	1. This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
criteriaURL	The Uniform Resource Locator (URL) for the unique address of a web page describing the competency-based completion criteria for the achievement/award.	1. This is optional, does not report.	O		
cteCompleter	Indicated a student who reached a state-defined threshold of vocational education and who attained a high school diploma or its recognized state equivalent or GED.	1. This is optional, does not report.	O		
diplomaAwardExpiresDate	Date on which the award expires.	1. This is optional, does not report.	O		
diplomaDescription	The description of diploma given to the student for accomplishments.	1. This is optional, does not report.	O		
evidenceStatement	A statement or reference describing the evidence that the learner met the criteria for attainment of the achievement.	1. This is optional, does not report.	O		
imageURL	The Uniform Resource Locator (URL) for the unique address of an image representing an award or badge associated with the achievement.	1. This is optional, does not report.	O		
issuerName	The name of the agent issuing the award.	1. This is optional, does not report.	O		
issuerOriginURL	The Uniform Resource Locator (URL) from which the award was issued.	1. This is optional, does not report.	O		

Type/Descriptor

▸ Click here to expand...

Diploma Type Descriptor

Code Value	Description	Namespace	Short Description
Endorsed/advanced diploma	Endorsed/advanced diploma	uri://ed-fi.org/DiplomaTypeDescriptor	Endorsed/advanced diploma
Industry-recognized Certification	Industry-recognized Certification	uri://ed-fi.org/DiplomaTypeDescriptor	Industry-recognized Certification
High school equivalency credential, other than GED	High school equivalency credential, other than GED	uri://ed-fi.org/DiplomaTypeDescriptor	High school equivalency credential, other than GED
Career and Technical Education certificate	Career and Technical Education certificate	uri://ed-fi.org/DiplomaTypeDescriptor	Career and Technical Education certificate
Certificate of attendance	Certificate of attendance	uri://ed-fi.org/DiplomaTypeDescriptor	Certificate of attendance
Regular diploma	Regular diploma	uri://ed-fi.org/DiplomaTypeDescriptor	Regular diploma
International Baccalaureate	International Baccalaureate	uri://ed-fi.org/DiplomaTypeDescriptor	International Baccalaureate
Post graduate certificate (grade 13)	Post graduate certificate (grade 13)	uri://ed-fi.org/DiplomaTypeDescriptor	Post graduate certificate (grade 13)
General Educational Development (GED) credential	General Educational Development (GED) credential	uri://ed-fi.org/DiplomaTypeDescriptor	General Educational Development (GED) credential
Certificate of completion	Certificate of completion	uri://ed-fi.org/DiplomaTypeDescriptor	Certificate of completion
Other diploma	Other diploma	uri://ed-fi.org/DiplomaTypeDescriptor	Other diploma
Regents diploma	Regents diploma	uri://ed-fi.org/DiplomaTypeDescriptor	Regents diploma
Modified diploma	Modified diploma	uri://ed-fi.org/DiplomaTypeDescriptor	Modified diploma
Apprenticeship Certificate	Apprenticeship Certificate	uri://ed-fi.org/DiplomaTypeDescriptor	Apprenticeship Certificate
Other	Other	uri://ed-fi.org/DiplomaTypeDescriptor	Other
Alternative credential	Alternative credential	uri://ed-fi.org/DiplomaTypeDescriptor	Alternative credential
Occupational License	Occupational License	uri://ed-fi.org/DiplomaTypeDescriptor	Occupational License

Achievement Category Descriptors

Code Value	Description	Namespace	Short Description
Academic Honor	Academic Honor	uri://ed-fi.org/AchievementCategoryDescriptor	Academic Honor
Certificate Earned	Certificate Earned	uri://ed-fi.org/AchievementCategoryDescriptor	Certificate Earned
Competency Mastered	Competency Mastered	uri://ed-fi.org/AchievementCategoryDescriptor	Competency Mastered
Competency Retained	Competency Retained	uri://ed-fi.org/AchievementCategoryDescriptor	Competency Retained

Code Value	Description	Namespace	Short Description
Course Completed	Course Completed	uri://ed-fi.org/AchievementCategoryDescriptor	Course Completed
Diploma Earned	Diploma Earned	uri://ed-fi.org/AchievementCategoryDescriptor	Diploma Earned
Level Completed	Level Completed	uri://ed-fi.org/AchievementCategoryDescriptor	Level Completed
License Earned	License Earned	uri://ed-fi.org/AchievementCategoryDescriptor	License Earned
Non-Academic Honor	Non-Academic Honor	uri://ed-fi.org/AchievementCategoryDescriptor	Non-Academic Honor
License Endorsement Earned	License Endorsement Earned	uri://ed-fi.org/AchievementCategoryDescriptor	License Endorsement Earned
Participation	Participation	uri://ed-fi.org/AchievementCategoryDescriptor	Participation
Recognition	Recognition	uri://ed-fi.org/AchievementCategoryDescriptor	Recognition