Indiana Ed-Fi Data v2.4/3.1 - Student Academic Records

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

> The Sessions, Course Offerings, and Sections resources all need to be present for the Student Academic Records resource to process and send.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	Report a Student Academic Record instance for each school year in which the student has a transcript record and they have a Student School Association record for the configured year. OR When a grade is posted to a grading task that is marked as State Reported and the student is in grades K-8. OR When a student's enrollment has a Local Start Status mapped to the State Start Status of '999: Past School Year Graduate' AND Exclude from State Reporting is checked on their enrollment. 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". Do not send a record if the transcript's score is blank.
Post/Put	When a student is given a Diploma Date and Diploma Type. - The diploma array will null when a student's graduation record is deleted. - Only post for the records in the Student Academic Record (SAR) and configured 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 (Unless reporting from an enrollment that has 'Code 999' as the start status and exclude from state reporting checked). - If the student does not have any SAR records from posted Transcript records, create one SAR record to report the Diploma information. - If the Term Descriptor cannot be determined, provide an error with the following message, "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 one 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. • If an Ed-Fi ID changes, this will happen with the cascading deletes from the Ed-Fi ID Change trigger. • If the End Year the transcript record or diploma record is aligned to changes. • If the Term Descriptor is changed in Sessions Resource Preferences or if the Transcript Term Override is changed in Student Academic Record Resource Preferences. • If the Diploma Date changes. • 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.

Identity Mapping Object Key

campusObjectType	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.

Object Data Elements

This table describes data elements sent within the Student Academic Records resource. Data Element Labels in **bold** are part of the Natural Key and are required data elements for Data to send to Ed-Fi.

Data Element Label	Business Requirement	Business Rules	M, C or O	Locat
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, report the Term Descriptor for the term aligned to the Grading Score for the posted Grade.
		  ○ Otherwise, 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
			M	

Data Element Label	Business Requirement	Business Rules	M, C or O	Locat

		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 primary Term Schedule, pick the highest TermID
		  ◦ Otherwise, 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
		3. When reporting Transcript records that are manually added without a scoreID:
		  ◦ Report the Ed-Fi Term Descriptor Override selected on the transcript record.
		  ◦ 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
		4. When the SAR is posted only from the Graduation Record because there are no Course Transcripts records for the student, report the Ed-Fi Term Descriptor from the Sessions Resource Preferences that the Diploma Date overlaps in the School where the student is enrolled:
		  ◦ If the Term is not		

Data Element Label	Business Requirement	Business Rules	M, C or O	Locat
		mapped or the diploma date does not overlap a term, use the term descriptor from the term with the latest end date. ○ If more than 1 term schedule, report from the Primary term schedule. ○ If the Diploma Date is aligned to more than 1 eligible Term Descriptor, report the value from the highest TermId. When reporting for students that graduated prior to the start of the current school year, but after the end of the previous school year: • Report as 'Year Round'. When reporting for students in Grades K-8 from a State Reported Grading Task or Standard: • Report as 'Year Round'.		
educationOrganization Reference	A reference to the related Education Organization resource.	Reports the District Number based on the Local Education Agency resource logic: • 10+District+School	M	
schoolYearType Reference	A reference to the related SchoolYearType resource.	Reports the end year in format YYYY • 2022 as an example.	M	
studentReference	A reference to the related Student resource.	Reports the fields that are part of the Natural Key for the Student resource. • Student Ed-Fi ID in the reference.	M	
academicHonors	An unordered collection of studentAcademicRecordAcademicHonors. This educational entity represents the cumulative record of academic achievement for a student.	This is optional, does not report.	O	
classRanking	This educational entity represents the cumulative record of academic achievement for a student.	This is optional, does not report.	O	
cumulativeEarned CreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Locat
cumulativeAttempted Credits	The cumulative number of credits an individual earns by completing courses or examinations during their 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	Stude Inforr Gene Trans Calcu value atten credit the transe table
cumulativeAttempted CreditTypeDescriptor	The type of credits or units of value awarded for the completion of a course.	This is optional, does not report.	O	
cumulativeAttempted CreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O	
cumulativeEarned Credits	The cumulative number of credits an individual earns by completing courses or examinations during their 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	Stude Inforr Gene Trans Calcu value earne field i transe table
cumulativeEarnedCredit 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	Locat
cumulativeGradePoint Average	A measure of average performance in all courses taken by an individual during their 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 their current school as well as those transferred from schools in which the individual was previously enrolled.	1. Reports the student's Cumulative GPA ○ 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	Stude Inforr Gene Credit Summ CumC cumG
cumulativeGradePoints Earned	The cumulative number of grade points an individual earns by successfully completing courses or examinations during their enrollment in the current school as well as those transferred from schools in which the individual had been previously enrolled.	This is optional, does not report.	O	
diplomas	An unordered collection of studentAcademicRecordDiplomas. This educational entity represents the cumulative record of academic achievement for a student.	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 When reporting for students that graduated prior to the start of the current school year, but after the end of the previous school year: • Report the diplomas array, even if the Diploma Date is outside the scope year.	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.).	This is optional, does not report.	O	
projectedGraduation Date	The month and year the student is projected to graduate.	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.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Locat
reportCards	An unordered collection of studentAcademicRecordReportCards. This educational entity represents the cumulative record of academic achievement for a student.	This is optional, does not report.	O	
sessionAttempted CreditConversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O	

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.
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sessionAttemptedCredit TypeDescriptor	Key for Credit.	This is optional, does not report.	O	
sessionEarnedCredit Conversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O	

Data Element Label	Business Requirement	Business Rules	M, C or O	Locat

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.
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sessionEarnedCredit TypeDescriptor	Key for Credit.	This is optional, does not report.	O	
sessionGradePoints Earned	The number of grade points an individual earned for this session.	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.	This is optional, does not report.	O	
diplomaType	Reports the type of diploma.	1. Report 'Regular Diploma" if diplomaLevelType Descriptor is any code other than 6 or 7. 2. If code 6 in diplomaLevelType Descriptor, report "Certificate of completion". 3. If code 7 in diplomaLevelType Descriptor, report 'Certificate of attendance".	C	
diplomaLevelType	Reports the diploma level.	Report value from Graduation > Diploma Type • This reports the typeDescription - NOT the code.	C	
diplomaAwardDate	The date the diploma was awarded.	Report value from Graduation > Diploma Date	C	

Data Element Label	Business Requirement	Business Rules	M, C or O	Locat
recognitionType	Reports skill from the diploma.	1. If a selection is made on Student Information > Graduation > Employability Skills - report Recognition Type as 'Employability Skills'. 2. If a selection is made on Student Information > Graduation > Post-Secondary Competencies - report Recognition Type as 'Post-Secondary Competencies'.	C	
achievementCategoryDescriptor	Reports the achievement.	1. If recognitionType = Employability Skills, report the value selected in the drop list for Employability Skills. 2. If recognitionType = Post-Secondary Competencies, report the value selected in the drop list for Post-Secondary Competencies 3. Type / Descriptor list below has an added column for achievementCategoryDescriptor to reflect which recognitionType the descriptor will report in.	C	

achievementCategorySystem	Reports only if achievementCategoryDescriptor is populated with 'Locally Defined Pathway'	If achievementCategoryDescriptor = 09: Locally Created Pathway (recognitionType = Post-Secondary Competencies - achievementCategoryDescriptor = Locally Created Pathway)
		1. Report value from Graduation> Local Pathway.
		2. Allowable codes are: 10000-99999; 10000 = Not Applicable, Locally Created Pathway not utilized 10001–99999 = Approved Locally Created Pathway
		  ◦ 2021-2022: Code '10000' does not report
		  ◦ 2022-2023: code '10000' DOES report
			C	

etag	A unique system-generated value that identifies the version of the resource.	This is optional, does not report.	O	

Arrays

▸ Click here to expand...

Type/Descriptor

▶ Click here to expand...