Michigan Ed-Fi Data v3.1 - Student Academic Records [.2211 - .2307]

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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 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/Post	If the natural key is changed. • If a term descriptor mapping changed either in the Sessions Preferences or the Ed-Fi Transcript Term Override. • If the Actual Term is changed on a Course Transcript Record and the Ed-Fi Transcript Term Override field is NULL. • If the Ed-Fi Transcript Term Descriptor Override mapping is changed.

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.

Action	Trigger
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
Graduation Diploma Type	Diploma Type Descriptors
Graduation Diploma Type	Achievement Category Descriptors

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 Field
id	The unique identifier of the resource.		M		
termDescriptor	The term for the session during the school year.	1. Report the Ed-Fi code for the value selected in "Ed-Fi Transcript Term Override" field on the transcript. ○ If NULL, Report the Term Descriptor based on the Course Term Type Override, else Section Term Type Override. 2. When the Ed-Fi Transcript Term Override and 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. 3. Else, report the Ed-Fi Code from the Ed-Fi Transcript Term Descriptor Override in the SAR preferences. 4. If an Term cannot be	M		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab... Field
		determined provide error. 5. 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 falls in. ◦ If the Diploma Date is outside of any of the Term Dates for that School Year, report the Ed-Fi Term Descriptor from the Term with the latest End Date. ◦ If the Diploma Date is aligned to more than 1 Term Descriptor, report the value from the highest TermId.			
educationOrganization Reference	A reference to the related EducationOrganization resource.	1. Reports the District Number.	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		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab Field
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		
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	Calcul value attem credit the transc table

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Datab Field
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		
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	Calcul value earne field i transc table
cumulativeEarned CreditTypeDescriptor	The type of credits or units of value awarded for the completion of a course.	1. This is optional, does not report.	O		
cumulativeGrade PointAverage	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.	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
cumulativeGrade PointsEarned	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		
diplomas	An unordered collection of studentAcademicRecordDiplomas. This educational entity represents the cumulative record of academic achievement for a student.	See Array below for logic.	O		
gradeValue Qualifier	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 Field

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	Calcul value attem credit the transc table

sessionAttempted CreditTypeDescriptor	Key for Credit.	1. This is optional, does not report.	O		
sessionEarned 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 Field
sessionEarned Credits	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	Calcul value earne field in transc 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

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Type/Descriptor

▶ Click here to expand...