

# Generation - StudentTranscript Interchange Data

This section outlines the StudentTranscript Interchange generation rules.

Contents

## Input & Precursors

Standard configuration file, which includes a `SchoolProfile` and `GradeProfile` configuration data. Also depends on [StudentEnrollment](#) and [EducationOrgCalendar](#) data

## Entities & Elements

Interchange-StudentTranscript.xsd contains the following entities:

- CourseTranscript
- StudentAcademicRecord

Path	Element	Rules	Notes
CourseTranscript	CourseAttemptResult	Always "Pass"	No failing grades currently generated
	AttemptedCredits	Equal to number of credits assigned to course divided by the number of sessions in the academic year	It's currently assumed that all courses span the entire school year (i.e., there is currently no support for single-term courses)
	EarnedCredits	Equal to AttemptedCredits	
	WhenTakenGradelevel	Will match the grade level at which the given course is offered	
	MethodCreditsEarned	Always "Classroom Credit"	
	FinalLetterGradeEarned	Always matches letter grade for student average (A-F letter grade scale)	
	FinalNumericGradeEarned	Random value between FinalLetterGradeEarned min and max numeric grade	
	CourseReference	Populated with reference to previously generated course	
	SchoolReference	Populated with reference to previously generated school	
	StudentAcademicRecordReference	Populated with reference to student academic record	
StudentAcademicRecord	id	String of the format "SAR_{SessionId}_{Student.UniqueId}", where SessionId is of the format "2017-2018_Fall_Semester"	
	CumulativeEarnedCredits	Cumulative sum of credits earned by the student since they were enrolled at their current school	
	StudentReference	Populated with reference to previously generated student	
	EducationOrganizationReference	Populated with reference to previously generated school	
	SchoolYear	School year for which this SAR was generated	SARs are generated for past terms starting from the first grade/term available at the student's current school up until their current school year/term.
	Term	School term for which this SAR was generated	