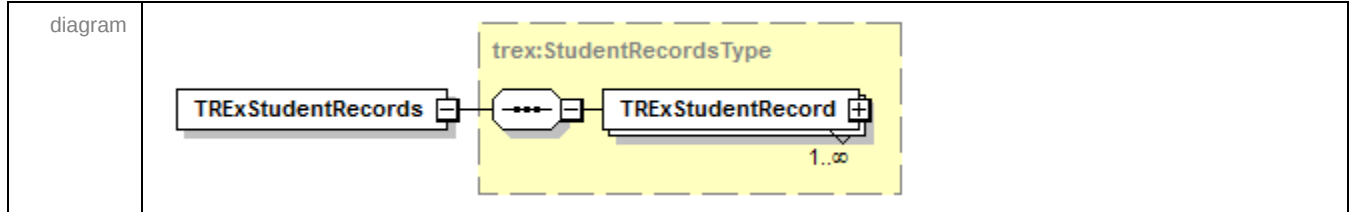


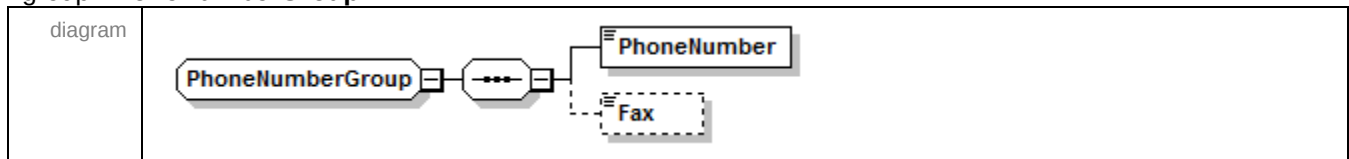
Appendix C – TREx XSD Graphical Representation

Schema TREx.v1.8.xsd

element **TRExStudentRecords**



group **PhoneNumberGroup**



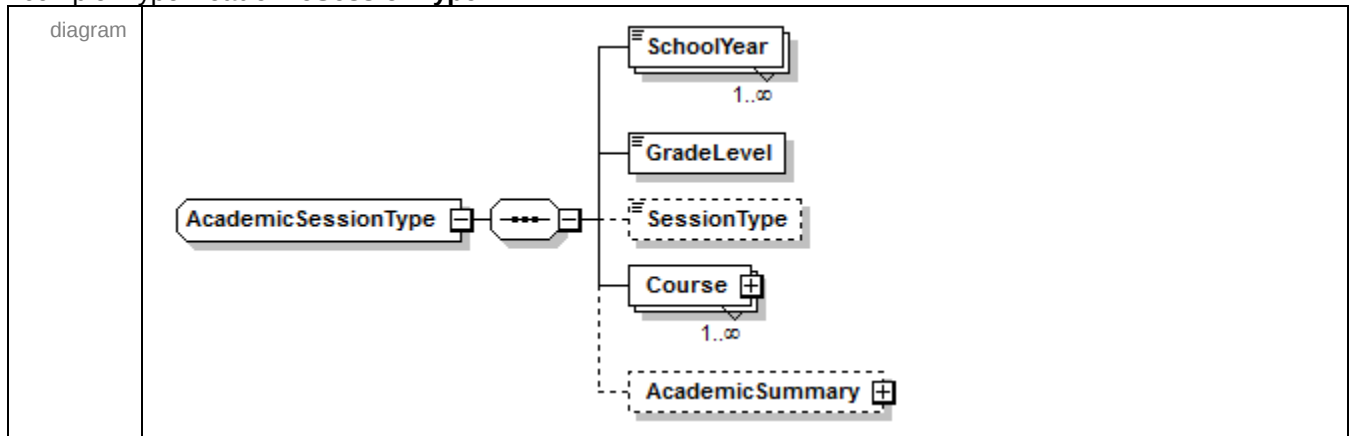
element **PhoneNumberGroup/PhoneNumber**



element **PhoneNumberGroup/Fax**



complexType **AcademicSessionType**



element **AcademicSessionType/SchoolYear**



element **AcademicSessionType/GradeLevel**

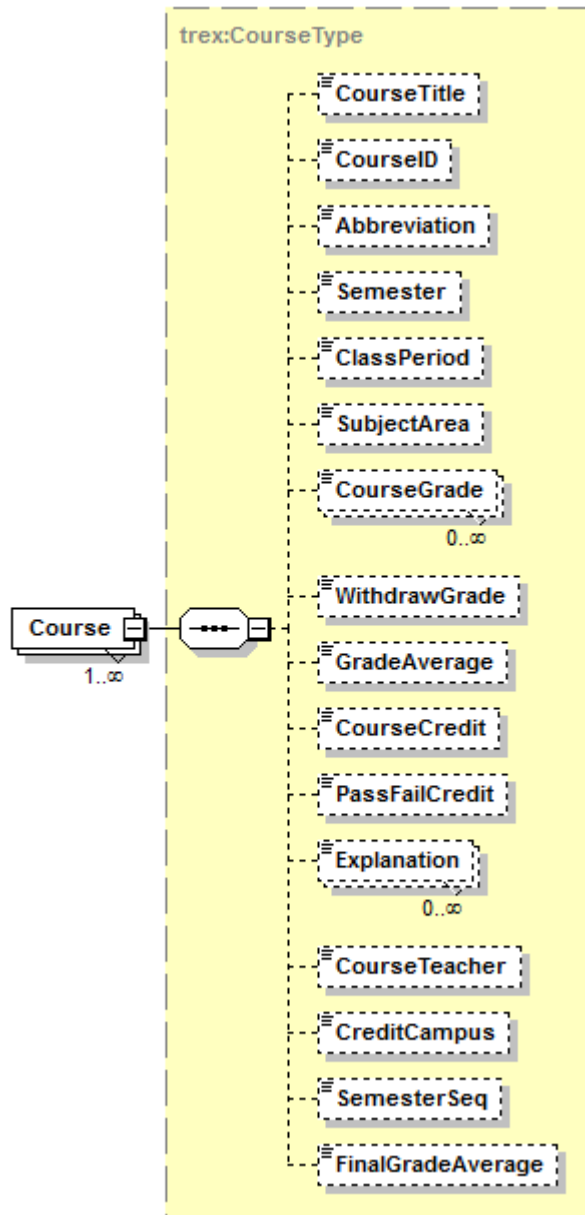


element **AcademicSessionType/SessionType**

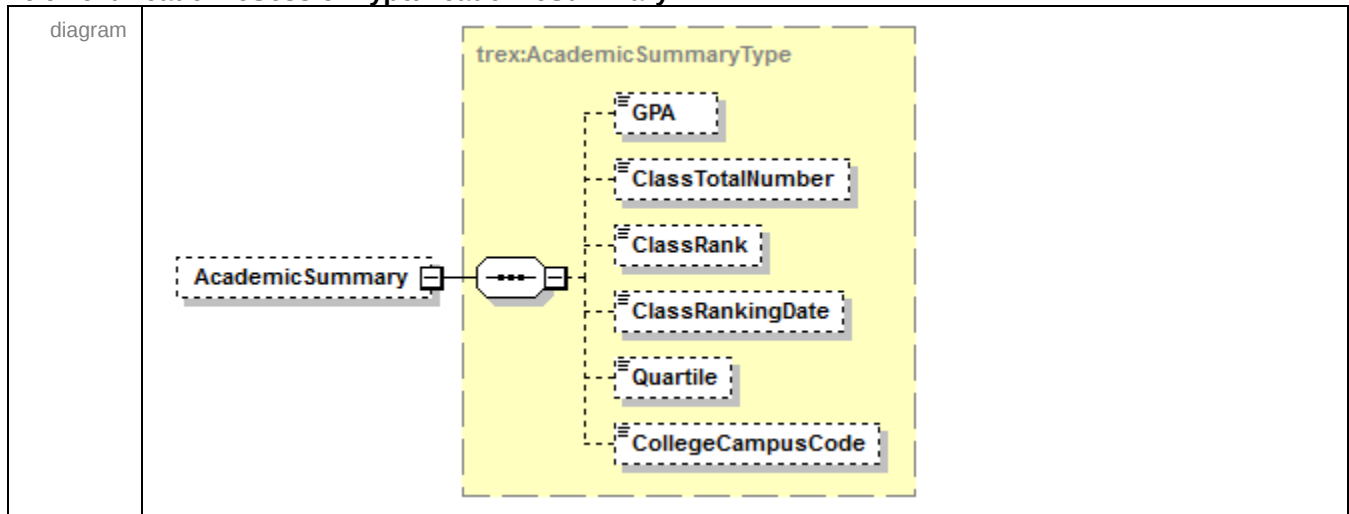


element **AcademicSessionType/Course**

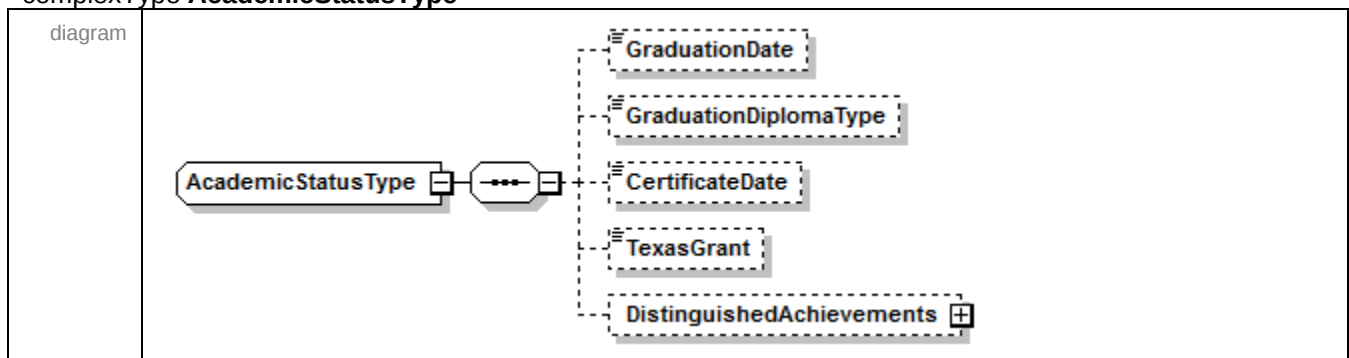
diagram



element **AcademicSessionType/AcademicSummary**



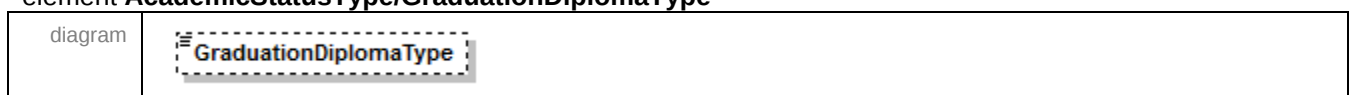
complexType **AcademicStatusType**



element **AcademicStatusType/GraduationDate**



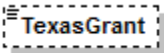
element **AcademicStatusType/GraduationDiplomaType**



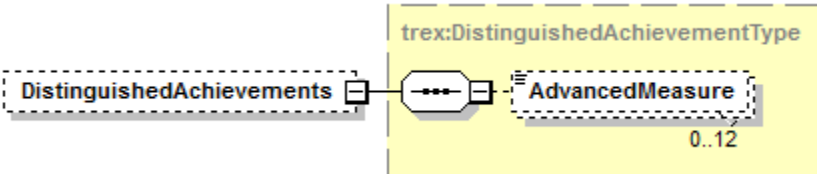
element **AcademicStatusType/CertificateDate**



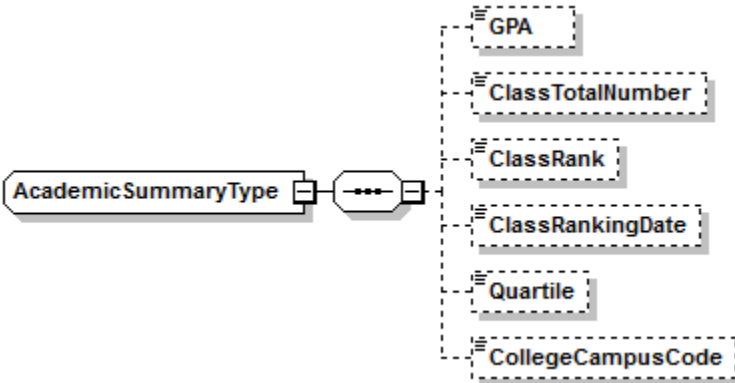
element **AcademicStatusType/TexasGrant**

diagram	 The diagram shows a dashed rectangular box labeled "TexasGrant".
---------	---

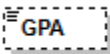
element **AcademicStatusType/DistinguishedAchievements**

diagram	 The diagram shows a dashed rectangular box labeled "DistinguishedAchievements". To its right is a connector box (a rectangle with a circle and three dots) leading to another dashed rectangular box labeled "AdvancedMeasure". The "AdvancedMeasure" box has the value "0..12" below it. The entire structure is enclosed in a yellow dashed border with the label "trex:DistinguishedAchievementType" at the top.
---------	---

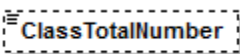
complexType **AcademicSummaryType**

diagram	 The diagram shows a solid rounded rectangular box labeled "AcademicSummaryType". To its right is a connector box (a rectangle with a circle and three dots) leading to a vertical stack of six dashed rectangular boxes: "GPA", "ClassTotalNumber", "ClassRank", "ClassRankingDate", "Quartile", and "CollegeCampusCode".
---------	--

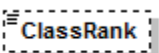
element **AcademicSummaryType/GPA**

diagram	 The diagram shows a dashed rectangular box labeled "GPA".
---------	--

element **AcademicSummaryType/ClassTotalNumber**

diagram	 The diagram shows a dashed rectangular box labeled "ClassTotalNumber".
---------	---

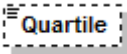
element **AcademicSummaryType/ClassRank**

diagram	 The diagram shows a dashed rectangular box labeled "ClassRank".
---------	--

element **AcademicSummaryType/ClassRankingDate**

diagram	 A dashed rectangular box with a small icon in the top-left corner, containing the text "ClassRankingDate".
---------	--

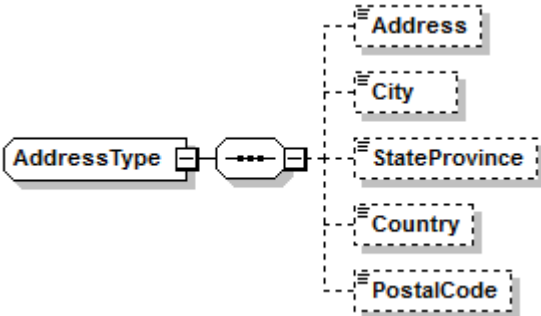
element **AcademicSummaryType/Quartile**

diagram	 A dashed rectangular box with a small icon in the top-left corner, containing the text "Quartile".
---------	--

element **AcademicSummaryType/CollegeCampusCode**

diagram	 A dashed rectangular box with a small icon in the top-left corner, containing the text "CollegeCampusCode".
---------	---

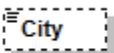
complexType **AddressType**

diagram	 A diagram showing the structure of the AddressType complex type. On the left is a rounded rectangle labeled "AddressType". A line connects it to a small octagonal connector box containing three dots. From this connector, a dashed line branches out to the right, connecting to five separate dashed rectangular boxes, each with a small icon in the top-left corner. These boxes are labeled "Address", "City", "StateProvince", "Country", and "PostalCode" from top to bottom.
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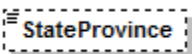
element **AddressType/Address**

diagram	 A dashed rectangular box with a small icon in the top-left corner, containing the text "Address".
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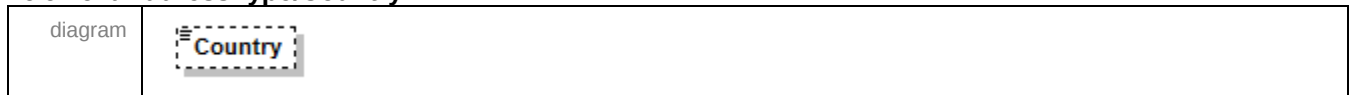
element **AddressType/City**

diagram	 A dashed rectangular box with a small icon in the top-left corner, containing the text "City".
---------	--

element **AddressType/StateProvince**

diagram	 A dashed rectangular box with a small icon in the top-left corner, containing the text "StateProvince".
---------	---

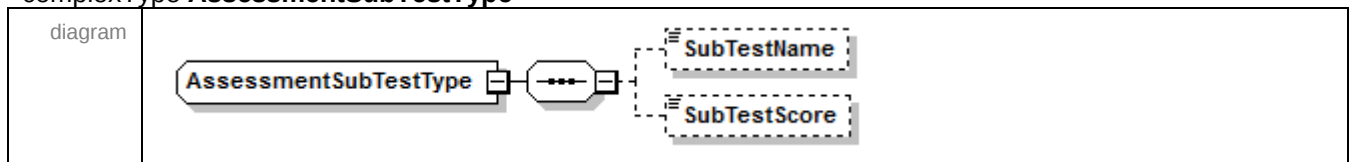
element **AddressType/Country**



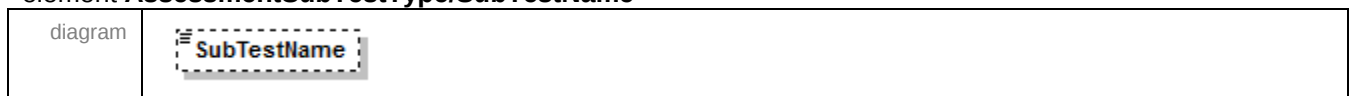
element **AddressType/PostalCode**



complexType **AssessmentSubTestType**



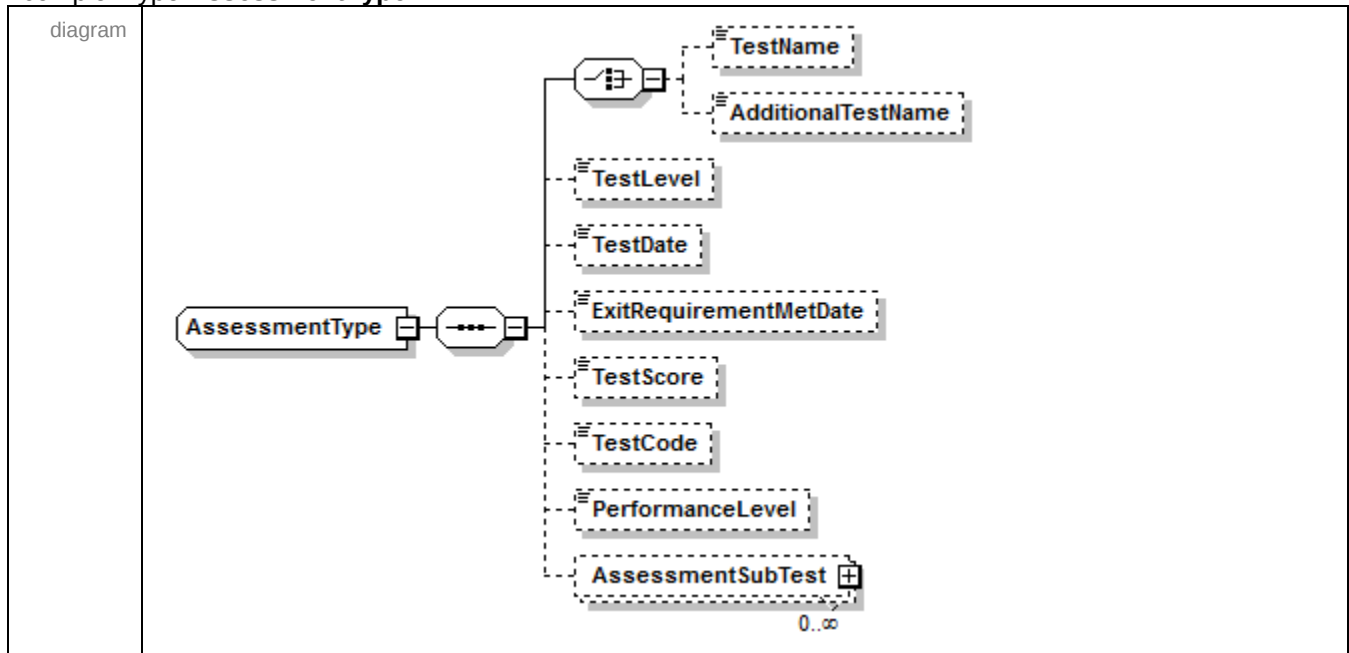
element **AssessmentSubTestType/SubTestName**



element **AssessmentSubTestType/SubTestScore**



complexType **AssessmentType**



element **AssessmentType/TestName**



element **AssessmentType/AdditionalTestName**



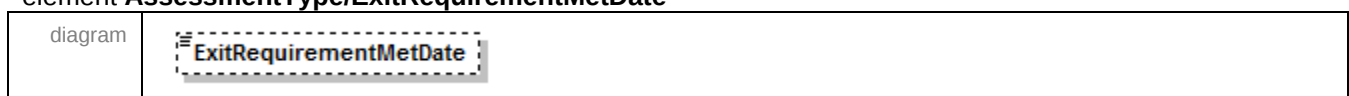
element **AssessmentType/TestLevel**



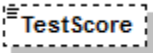
element **AssessmentType/TestDate**



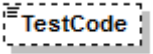
element **AssessmentType/ExitRequirementMetDate**



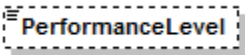
element **AssessmentType/TestScore**

diagram	 A dashed rectangular box containing the text "TestScore".
---------	---

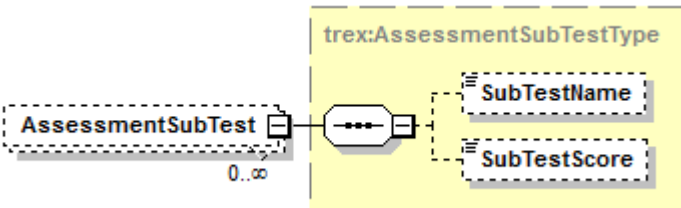
element **AssessmentType/TestCode**

diagram	 A dashed rectangular box containing the text "TestCode".
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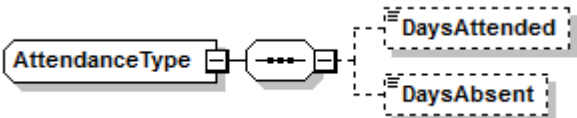
element **AssessmentType/PerformanceLevel**

diagram	 A dashed rectangular box containing the text "PerformanceLevel".
---------	--

element **AssessmentType/AssessmentSubTest**

diagram	 A diagram showing the "AssessmentSubTest" element. It is a dashed rectangular box containing a solid rectangular box labeled "AssessmentSubTest". To the right of this box is a connector (a circle with three dots) leading to a yellow-shaded area labeled "trex:AssessmentSubTestType". Inside this yellow area are two dashed rectangular boxes: "SubTestName" and "SubTestScore". Below the "AssessmentSubTest" box is the cardinality "0..∞".
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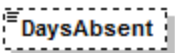
complexType **AttendanceType**

diagram	 A diagram showing the "AttendanceType" complexType. It is a solid rectangular box labeled "AttendanceType". To its right is a connector (a circle with three dots) leading to two dashed rectangular boxes: "DaysAttended" and "DaysAbsent".
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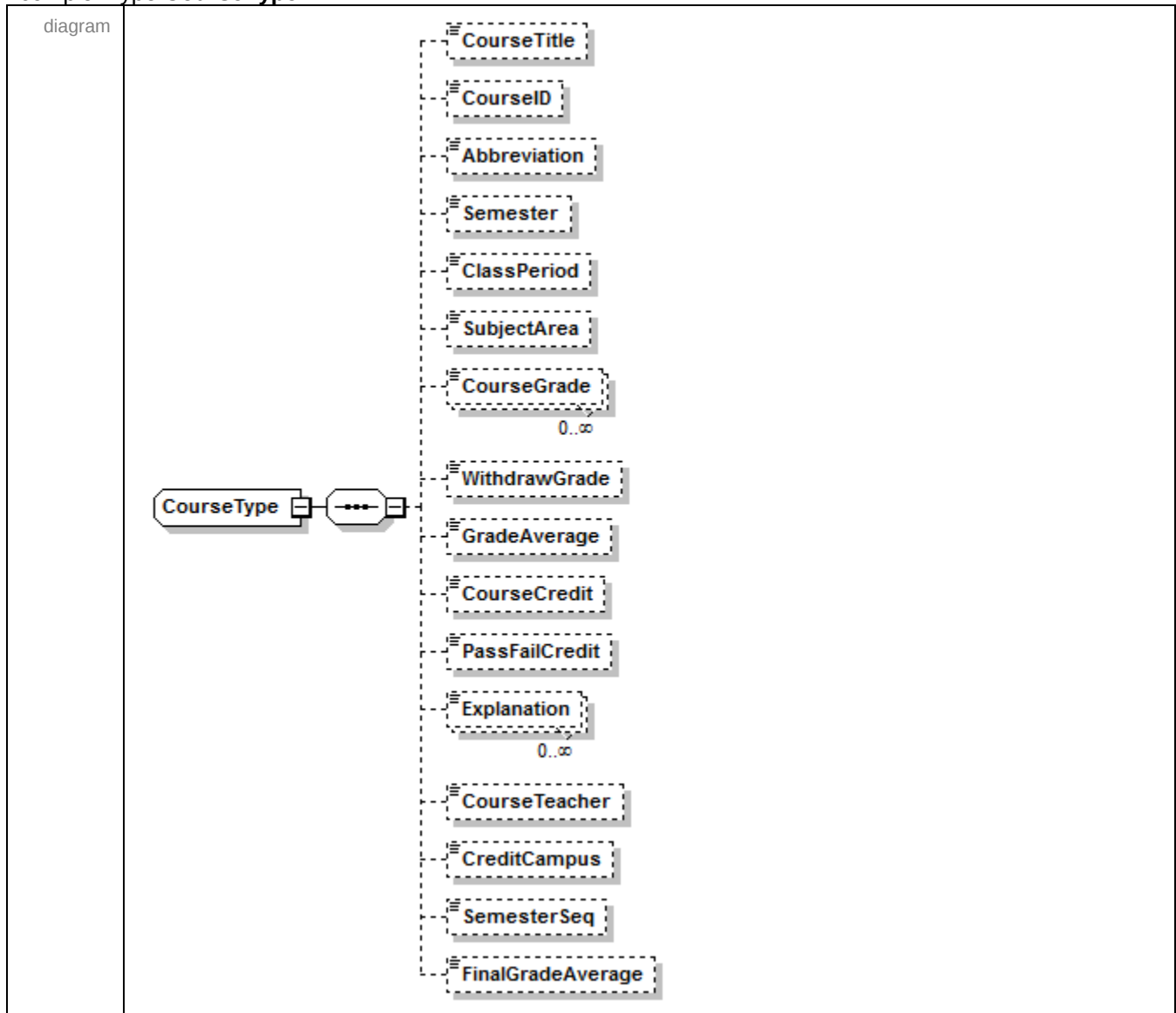
element **AttendanceType/DaysAttended**

diagram	 A dashed rectangular box containing the text "DaysAttended".
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element **AttendanceType/DaysAbsent**

diagram	 A dashed rectangular box containing the text "DaysAbsent".
---------	--

complexType CourseType



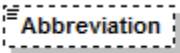
element CourseType/CourseTitle



element CourseType/CourseID



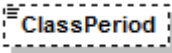
element **CourseType/Abbreviation**

diagram	
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element **CourseType/Semester**

diagram	
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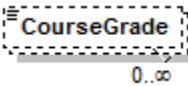
element **CourseType/ClassPeriod**

diagram	
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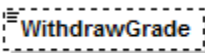
element **CourseType/SubjectArea**

diagram	
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element **CourseType/CourseGrade**

diagram	
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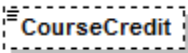
element **CourseType/WithdrawGrade**

diagram	
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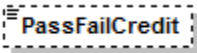
element **CourseType/GradeAverage**

diagram	
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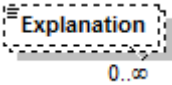
element **CourseType/CourseCredit**

diagram	
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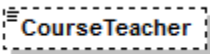
element **CourseType/PassFailCredit**

diagram	 A dashed rectangular box with a small icon in the top-left corner. The text "PassFailCredit" is centered inside the box.
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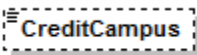
element **CourseType/Explanation**

diagram	 A dashed rectangular box with a small icon in the top-left corner. The text "Explanation" is centered inside the box. Below the box, the cardinality "0..∞" is displayed.
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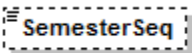
element **CourseType/CourseTeacher**

diagram	 A dashed rectangular box with a small icon in the top-left corner. The text "CourseTeacher" is centered inside the box.
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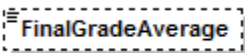
element **CourseType/CreditCampus**

diagram	 A dashed rectangular box with a small icon in the top-left corner. The text "CreditCampus" is centered inside the box.
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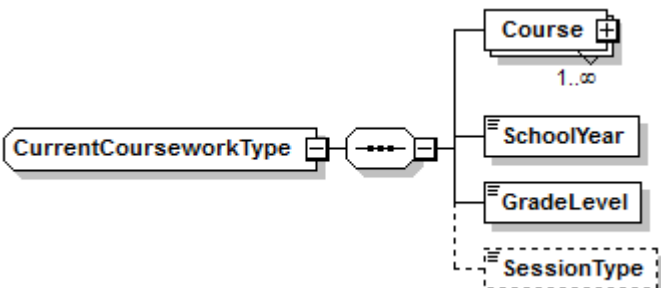
element **CourseType/SemesterSeq**

diagram	 A dashed rectangular box with a small icon in the top-left corner. The text "SemesterSeq" is centered inside the box.
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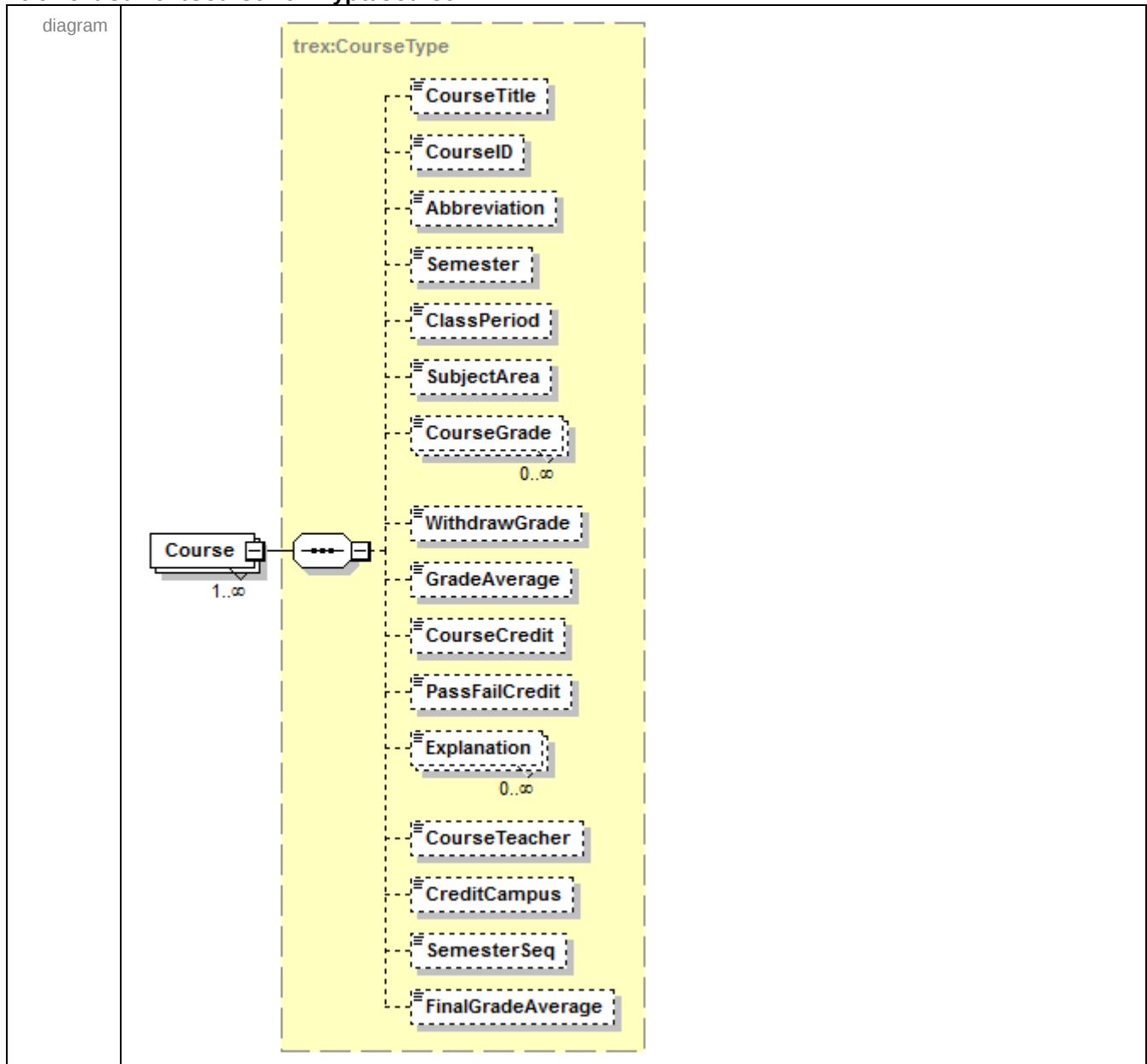
element **CourseType/FinalGradeAverage**

diagram	 A dashed rectangular box with a small icon in the top-left corner. The text "FinalGradeAverage" is centered inside the box.
---------	---

complexType **CurrentCourseworkType**

diagram	 A diagram showing the structure of the CurrentCourseworkType complex type. It starts with a box labeled "CurrentCourseworkType" with a small icon. This box is connected to a circle containing three dots, which is then connected to a vertical line. This vertical line branches into four elements: "Course" (with a small icon and a cardinality of "1..∞"), "SchoolYear", "GradeLevel", and "SessionType" (which is shown in a dashed box, indicating it is optional).
---------	--

element **CurrentCourseworkType/Course**



element **CurrentCourseworkType/SchoolYear**



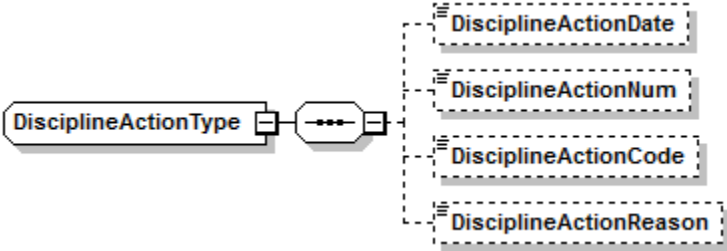
element **CurrentCourseworkType/GradeLevel**



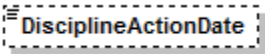
element **CurrentCourseworkType/SessionType**

diagram	
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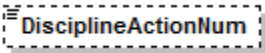
complexType **DisciplineActionType**

diagram	
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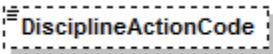
element **DisciplineActionType/DisciplineActionDate**

diagram	
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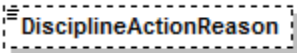
element **DisciplineActionType/DisciplineActionNum**

diagram	
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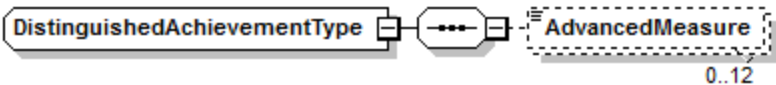
element **DisciplineActionType/DisciplineActionCode**

diagram	
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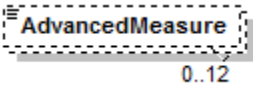
element **DisciplineActionType/DisciplineActionReason**

diagram	
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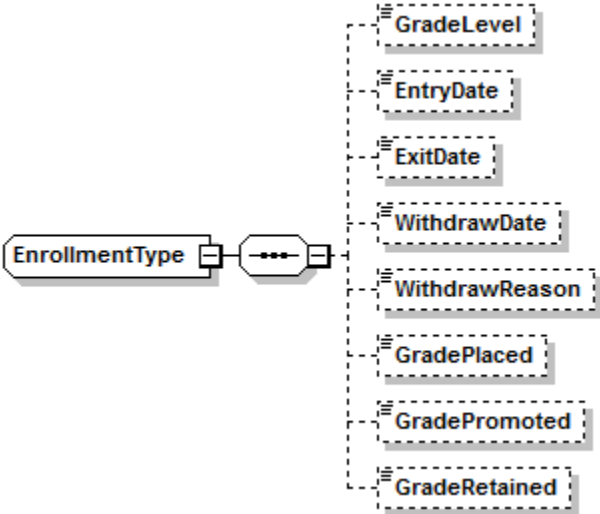
complexType **DistinguishedAchievementType**

diagram	
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element **DistinguishedAchievementType/AdvancedMeasure**

diagram	 The diagram shows a dashed rectangular box labeled "AdvancedMeasure". Below the box, the cardinality "0..12" is indicated.
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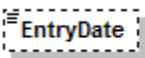
complexType **EnrollmentType**

diagram	 The diagram illustrates the EnrollmentType complex type. It features a central box labeled "EnrollmentType" connected to a container box. This container box is linked to a vertical list of seven child elements, each in a dashed box: "GradeLevel", "EntryDate", "ExitDate", "WithdrawDate", "WithdrawReason", "GradePlaced", and "GradeRetained".
---------	--

element **EnrollmentType/GradeLevel**

diagram	 The diagram shows a dashed rectangular box labeled "GradeLevel".
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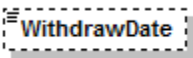
element **EnrollmentType/EntryDate**

diagram	 The diagram shows a dashed rectangular box labeled "EntryDate".
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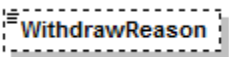
element **EnrollmentType/ExitDate**

diagram	 The diagram shows a dashed rectangular box labeled "ExitDate".
---------	---

element **EnrollmentType/WithdrawDate**

diagram	 The diagram shows a dashed rectangular box labeled "WithdrawDate".
---------	---

element **EnrollmentType/WithdrawReason**

diagram	 A dashed rectangular box with a small icon of three horizontal lines in the top-left corner. The text "WithdrawReason" is centered inside the box.
---------	--

element **EnrollmentType/GradePlaced**

diagram	 A dashed rectangular box with a small icon of three horizontal lines in the top-left corner. The text "GradePlaced" is centered inside the box.
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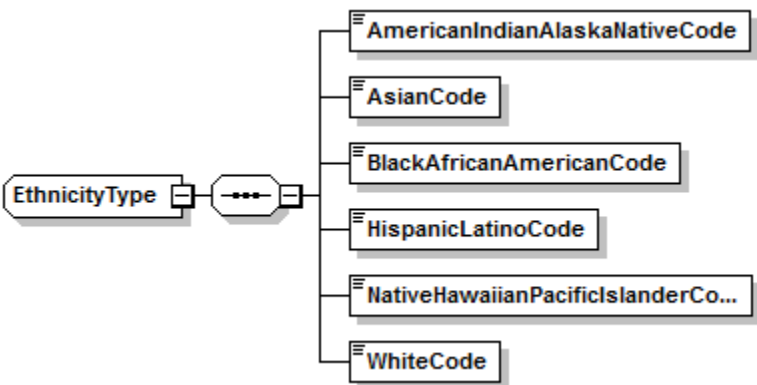
element **EnrollmentType/GradePromoted**

diagram	 A dashed rectangular box with a small icon of three horizontal lines in the top-left corner. The text "GradePromoted" is centered inside the box.
---------	---

element **EnrollmentType/GradeRetained**

diagram	 A dashed rectangular box with a small icon of three horizontal lines in the top-left corner. The text "GradeRetained" is centered inside the box.
---------	---

complexType **EthnicityType**

diagram	 A diagram showing the structure of the EthnicityType complex type. On the left is a rounded rectangle labeled "EthnicityType" with a small icon of three horizontal lines. A line connects it to a connector box containing three dots. From this connector, five lines branch out to the right, each leading to a rectangular box with a small icon of three horizontal lines. The boxes are labeled: "AmericanIndianAlaskaNativeCode", "AsianCode", "BlackAfricanAmericanCode", "HispanicLatinoCode", and "NativeHawaiianPacificIslanderCo...", followed by "WhiteCode" at the bottom.
---------	---

element **EthnicityType/AmericanIndianAlaskaNativeCode**

diagram	 A rectangular box with a small icon of three horizontal lines in the top-left corner. The text "AmericanIndianAlaskaNativeCode" is centered inside the box.
---------	---

element **EthnicityType/AsianCode**

diagram	 A rectangular box with a small icon of three horizontal lines in the top-left corner. The text "AsianCode" is centered inside the box.
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element **EthnicityType/BlackAfricanAmericanCode**

diagram	 A diagram showing a rectangular box with a small icon in the top-left corner and the text "BlackAfricanAmericanCode" inside.
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element **EthnicityType/HispanicLatinoCode**

diagram	 A diagram showing a rectangular box with a small icon in the top-left corner and the text "HispanicLatinoCode" inside.
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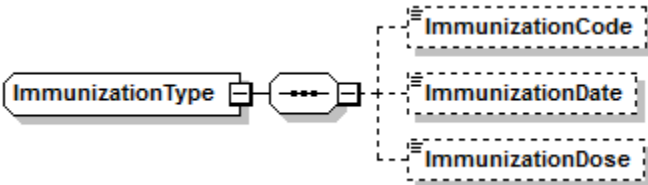
element **EthnicityType/NativeHawaiianPacificIslanderCode**

diagram	 A diagram showing a rectangular box with a small icon in the top-left corner and the text "NativeHawaiianPacificIslanderCo..." inside.
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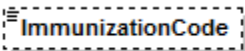
element **EthnicityType/WhiteCode**

diagram	 A diagram showing a rectangular box with a small icon in the top-left corner and the text "WhiteCode" inside.
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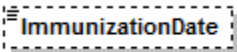
complexType **ImmunizationType**

diagram	 A diagram showing a complex type structure. On the left is a box labeled "ImmunizationType". To its right is a connector box with three dots. To the right of the connector is a dashed-line box containing three elements: "ImmunizationCode", "ImmunizationDate", and "ImmunizationDose".
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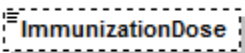
element **ImmunizationType/ImmunizationCode**

diagram	 A diagram showing a dashed-line rectangular box with a small icon in the top-left corner and the text "ImmunizationCode" inside.
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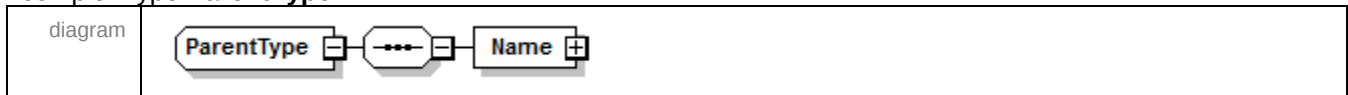
element **ImmunizationType/ImmunizationDate**

diagram	 A diagram showing a dashed-line rectangular box with a small icon in the top-left corner and the text "ImmunizationDate" inside.
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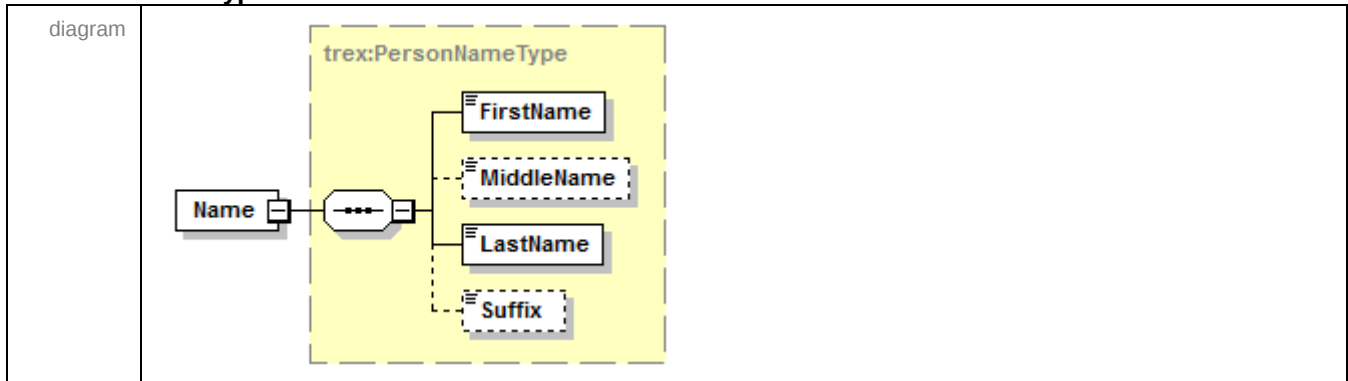
element **ImmunizationType/ImmunizationDose**

diagram	 A diagram showing a dashed-line rectangular box with a small icon in the top-left corner and the text "ImmunizationDose" inside.
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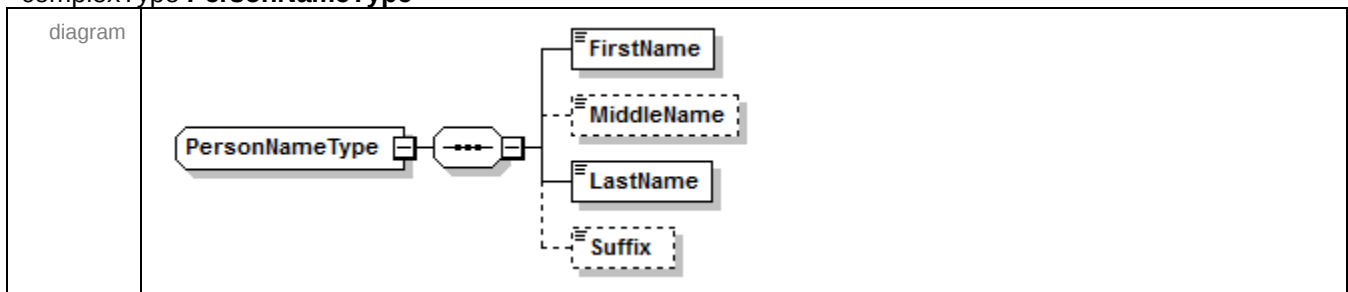
complexType ParentType



element ParentType/Name



complexType PersonNameType



element PersonNameType/FirstName



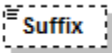
element PersonNameType/MiddleName



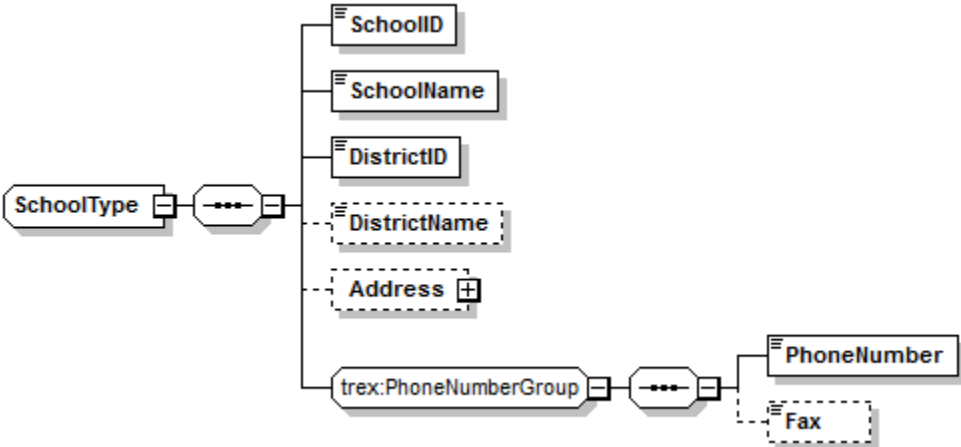
element PersonNameType/LastName



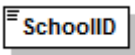
element **PersonNameType/Suffix**

diagram	
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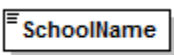
complexType **SchoolType**

diagram	
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element **SchoolType/SchoolID**

diagram	
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element **SchoolType/SchoolName**

diagram	
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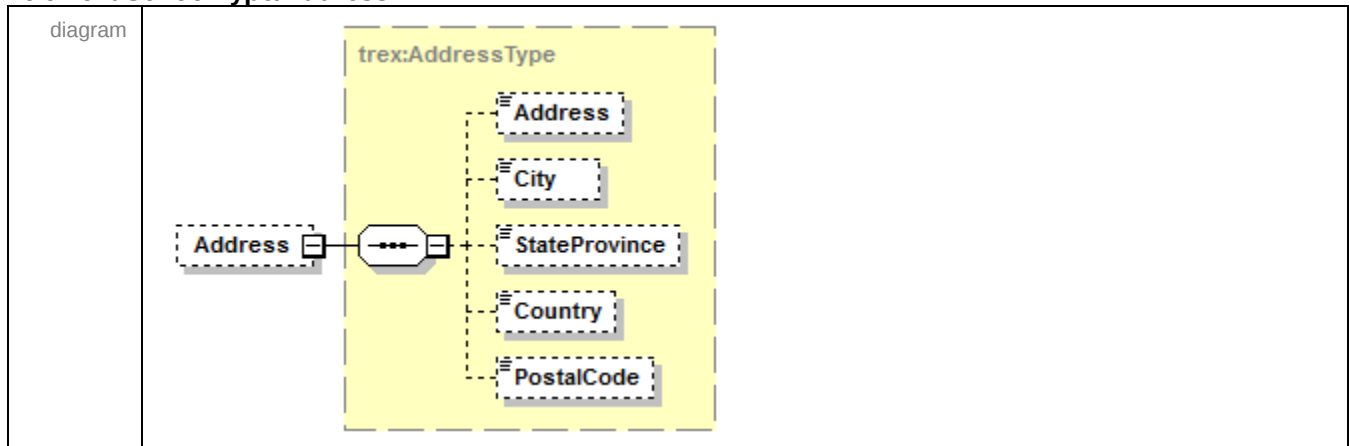
element **SchoolType/DistrictID**

diagram	
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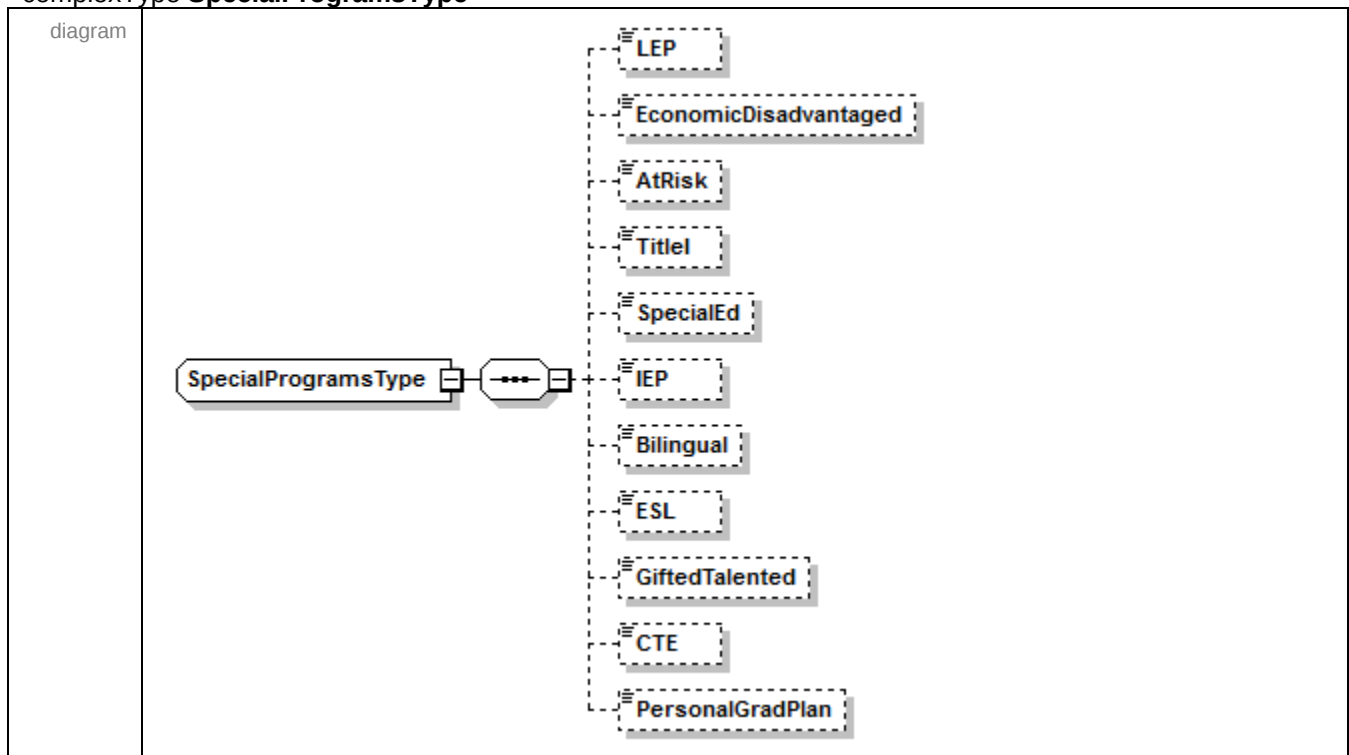
element **SchoolType/DistrictName**

diagram	
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element **SchoolType/Address**



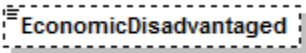
complexType **SpecialProgramsType**



element **SpecialProgramsType/LEP**



element **SpecialProgramsType/EconomicDisadvantaged**

diagram	 A dashed rectangular box containing the text "EconomicDisadvantaged" in blue.
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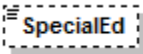
element **SpecialProgramsType/AtRisk**

diagram	 A dashed rectangular box containing the text "AtRisk" in blue.
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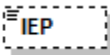
element **SpecialProgramsType/TitleI**

diagram	 A dashed rectangular box containing the text "TitleI" in blue.
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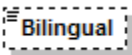
element **SpecialProgramsType/SpecialEd**

diagram	 A dashed rectangular box containing the text "SpecialEd" in blue.
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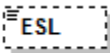
element **SpecialProgramsType/IEP**

diagram	 A dashed rectangular box containing the text "IEP" in blue.
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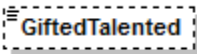
element **SpecialProgramsType/Bilingual**

diagram	 A dashed rectangular box containing the text "Bilingual" in blue.
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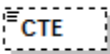
element **SpecialProgramsType/ESL**

diagram	 A dashed rectangular box containing the text "ESL" in blue.
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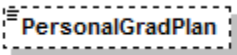
element **SpecialProgramsType/GiftedTalented**

diagram	 A dashed rectangular box containing the text "GiftedTalented" in blue.
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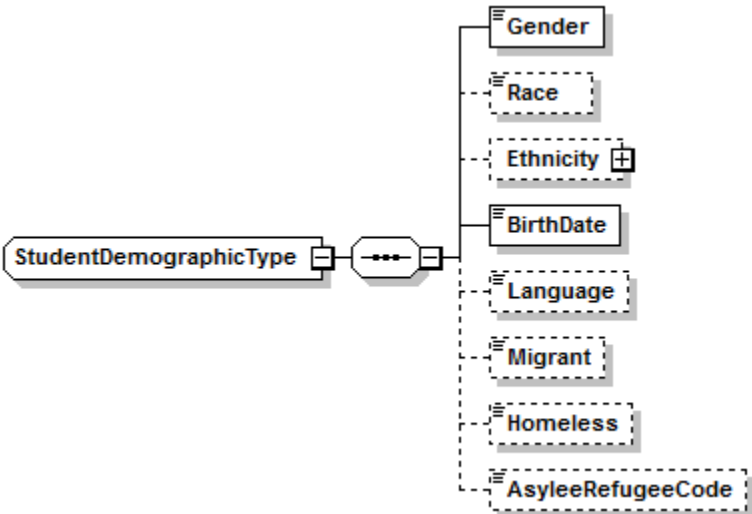
element **SpecialProgramsType/CTE**

diagram	 A dashed rectangular box containing the text "CTE" in blue.
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element **SpecialProgramsType/PersonalGradPlan**

diagram	
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complexType **StudentDemographicType**

diagram	
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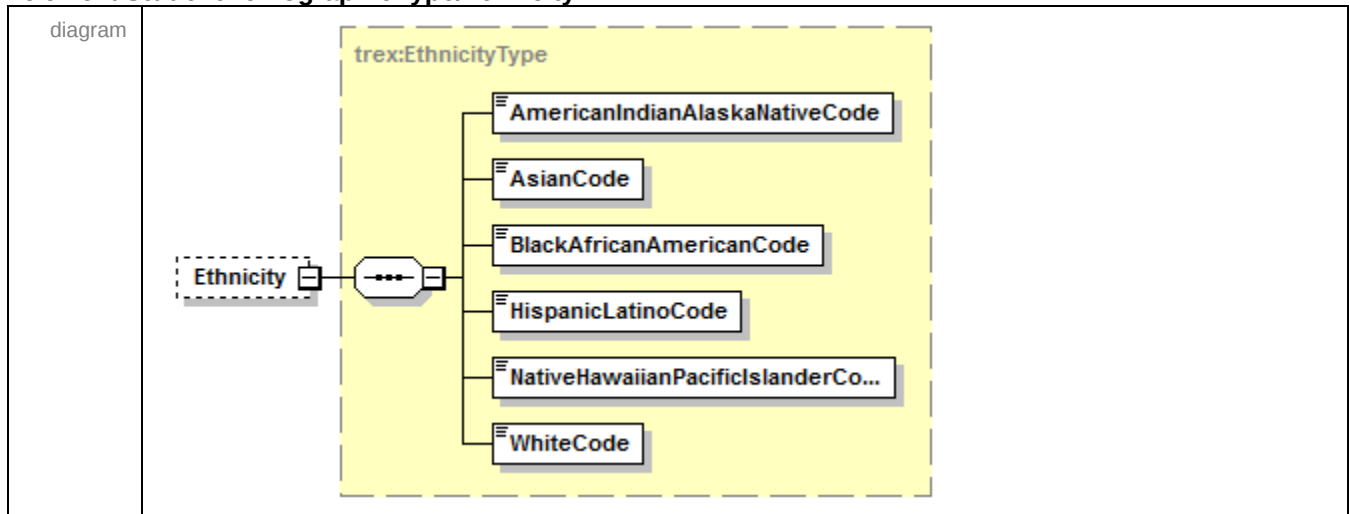
element **StudentDemographicType/Gender**

diagram	
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element **StudentDemographicType/Race**

diagram	
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element **StudentDemographicType/Ethnicity**



element **StudentDemographicType/BirthDate**



element **StudentDemographicType/Language**



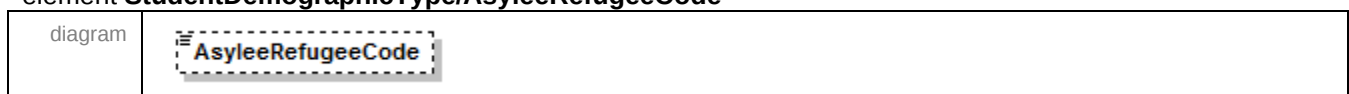
element **StudentDemographicType/Migrant**



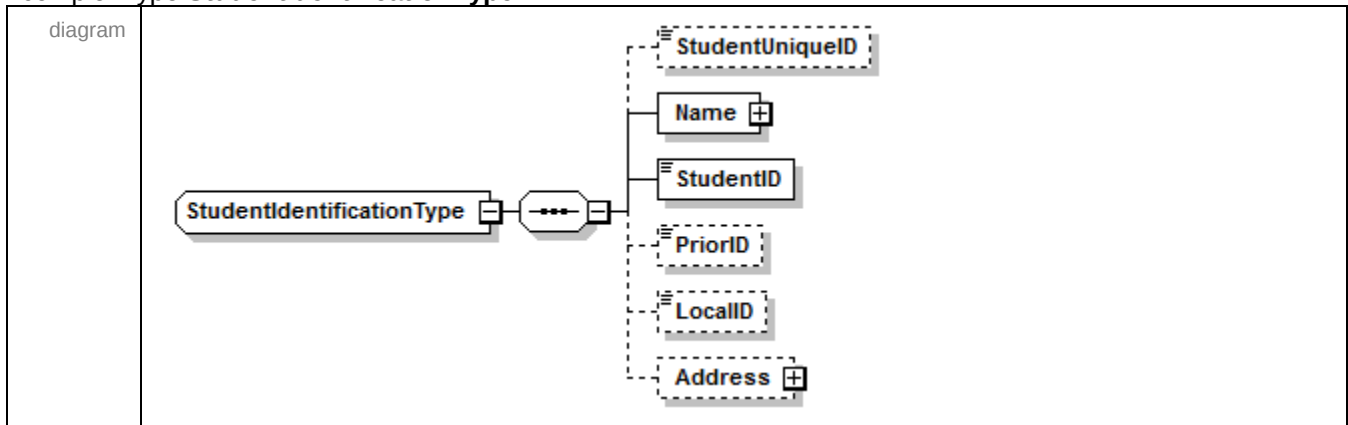
element **StudentDemographicType/Homeless**



element **StudentDemographicType/AsyleeRefugeeCode**



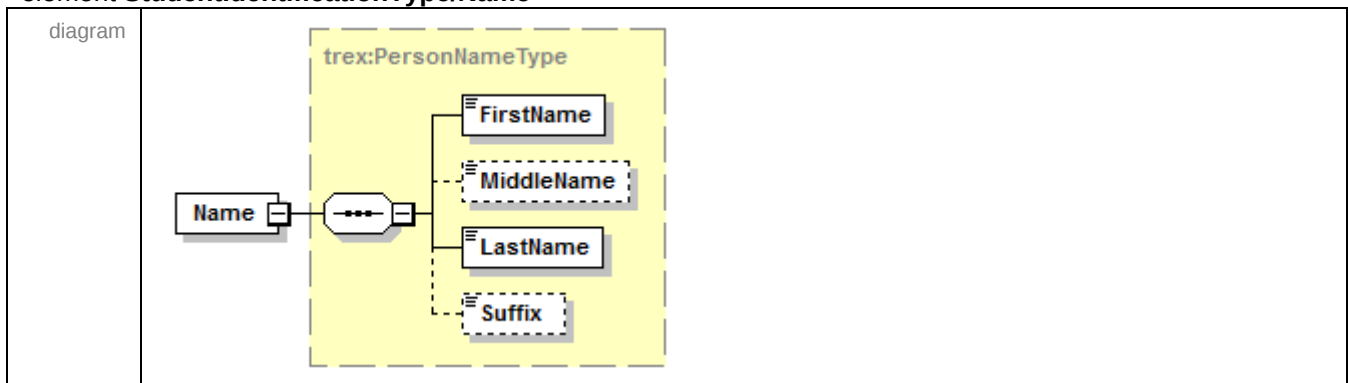
complexType **StudentIdentificationType**



element **StudentIdentificationType/StudentUniqueID**



element **StudentIdentificationType/Name**



element **StudentIdentificationType/StudentID**



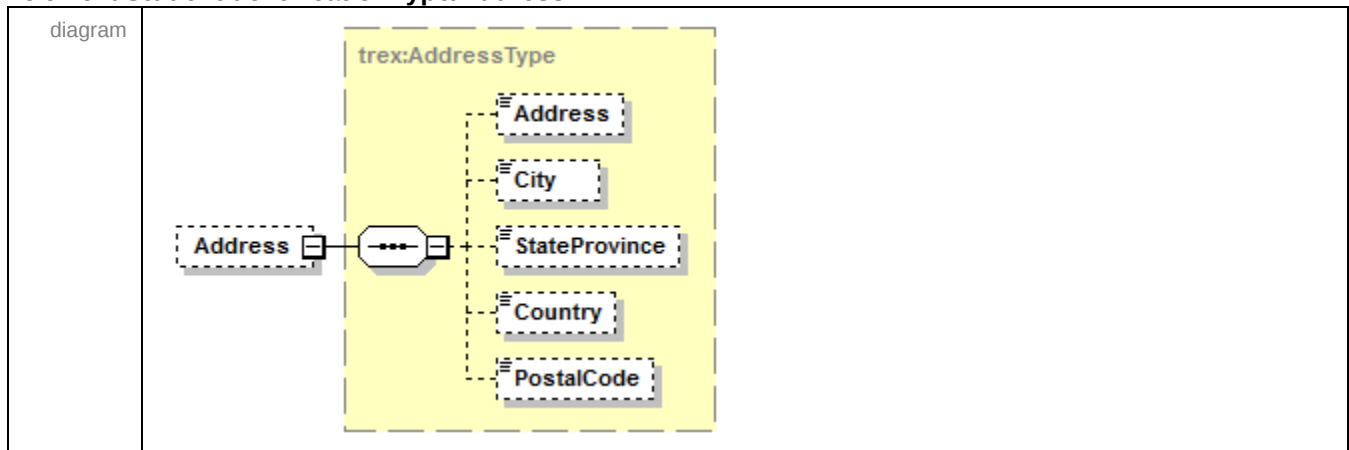
element **StudentIdentificationType/PriorID**



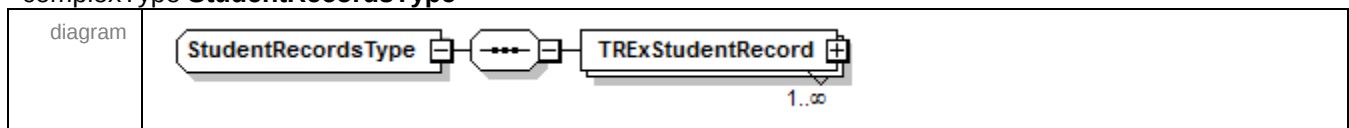
element **StudentIdentificationType/LocalID**



element **StudentIdentificationType/Address**

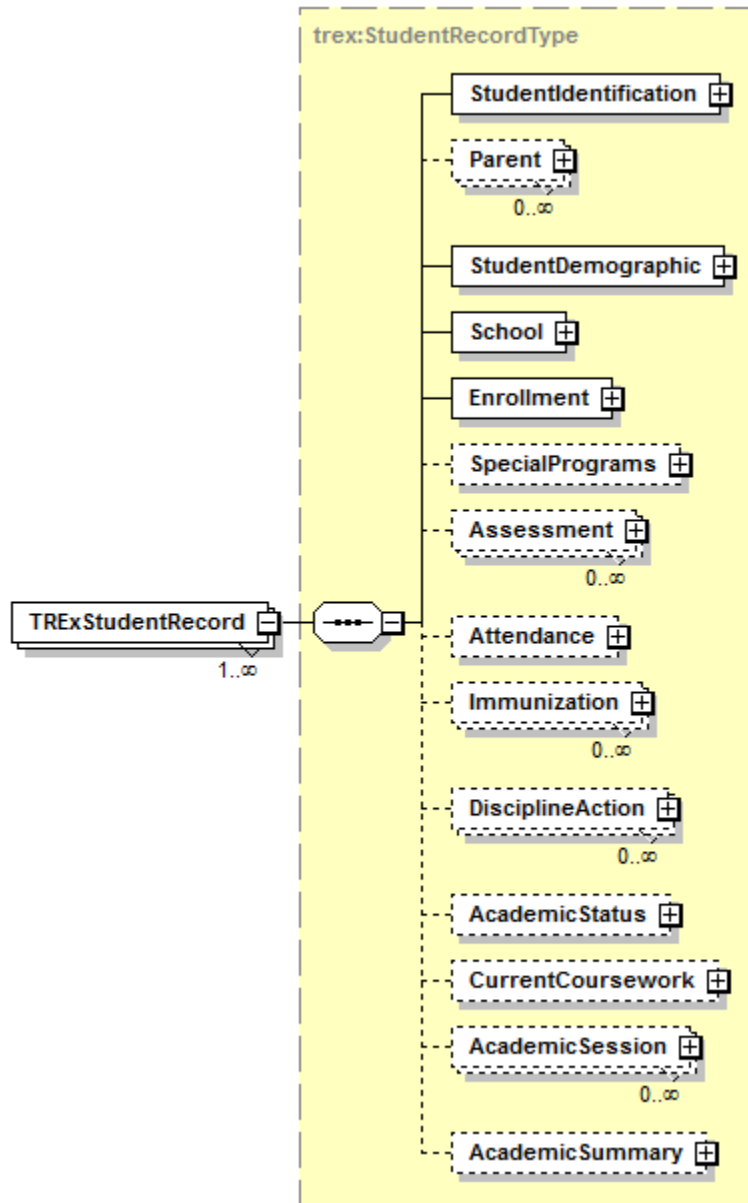


complexType **StudentRecordsType**



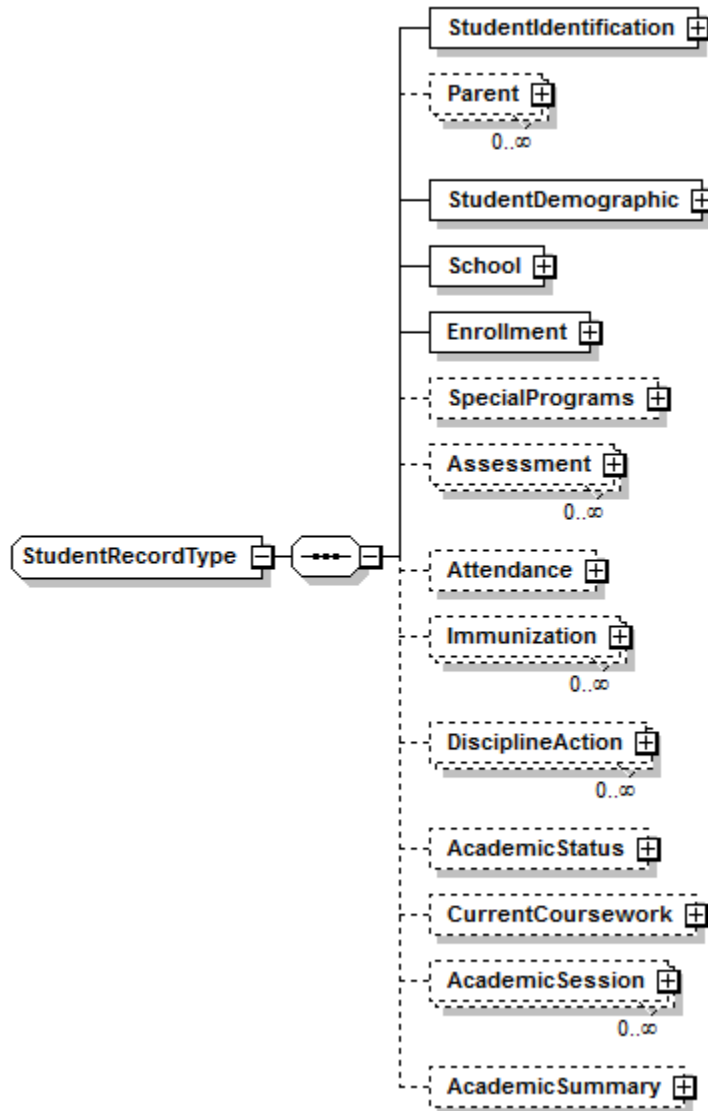
element **StudentRecordsType/TRExStudentRecord**

diagram

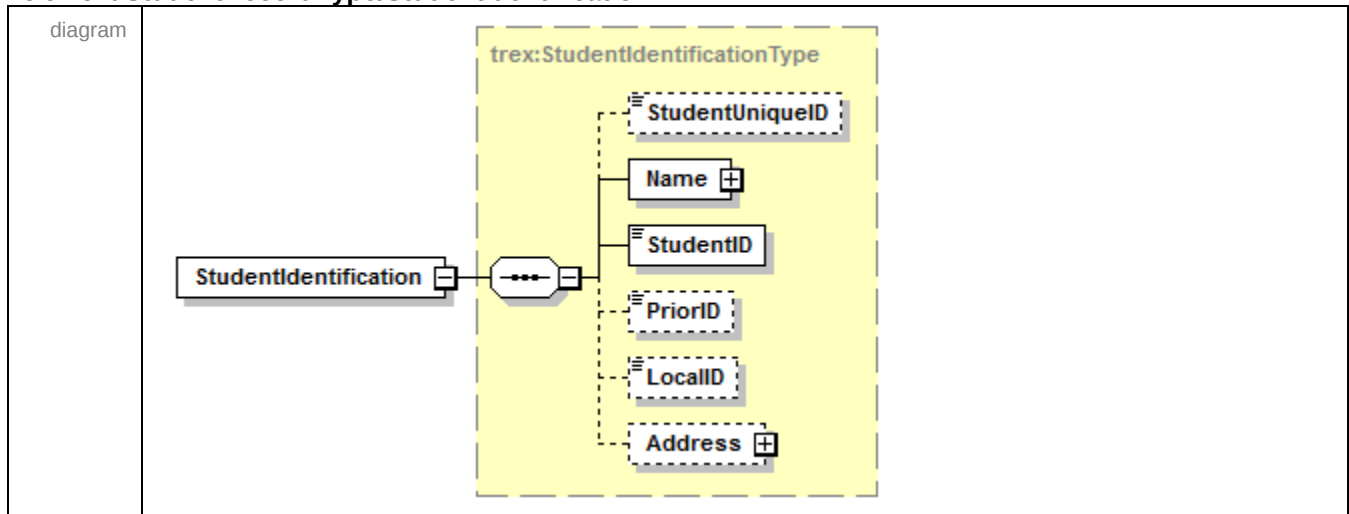


complexType **StudentRecordType**

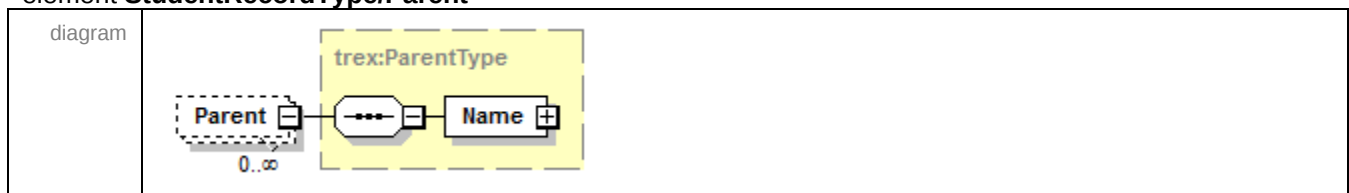
diagram



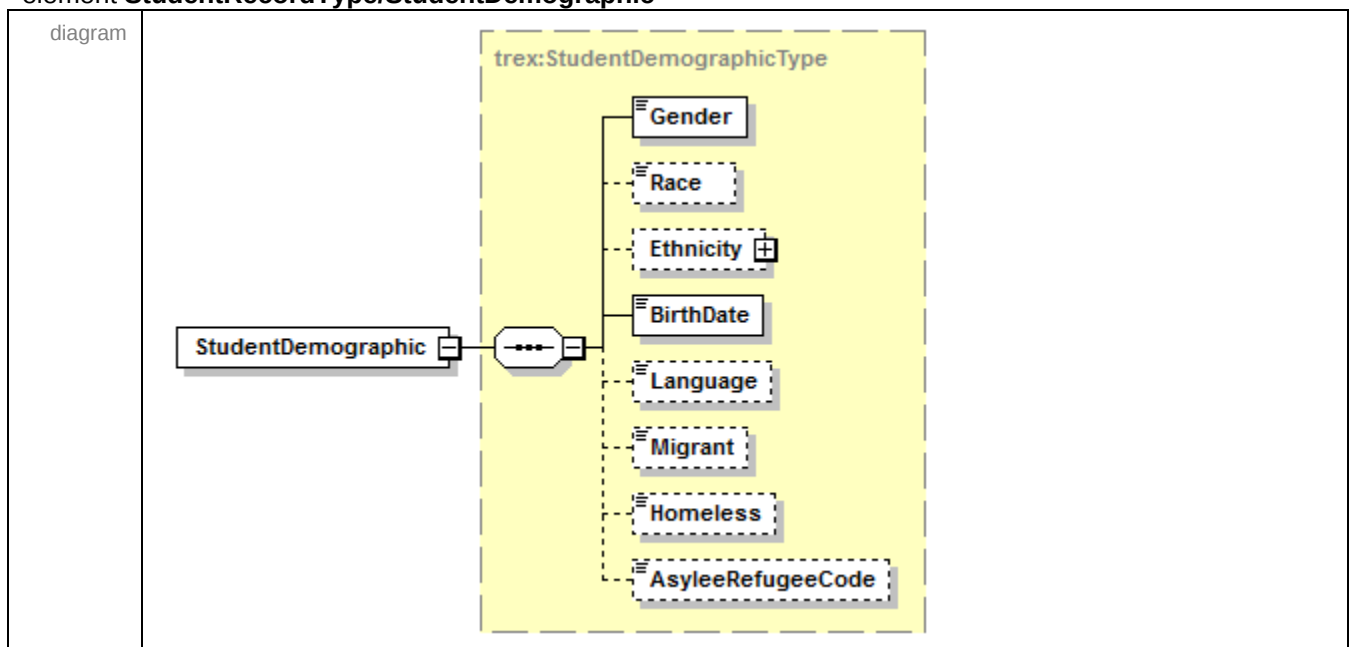
element **StudentRecordType/StudentIdentification**



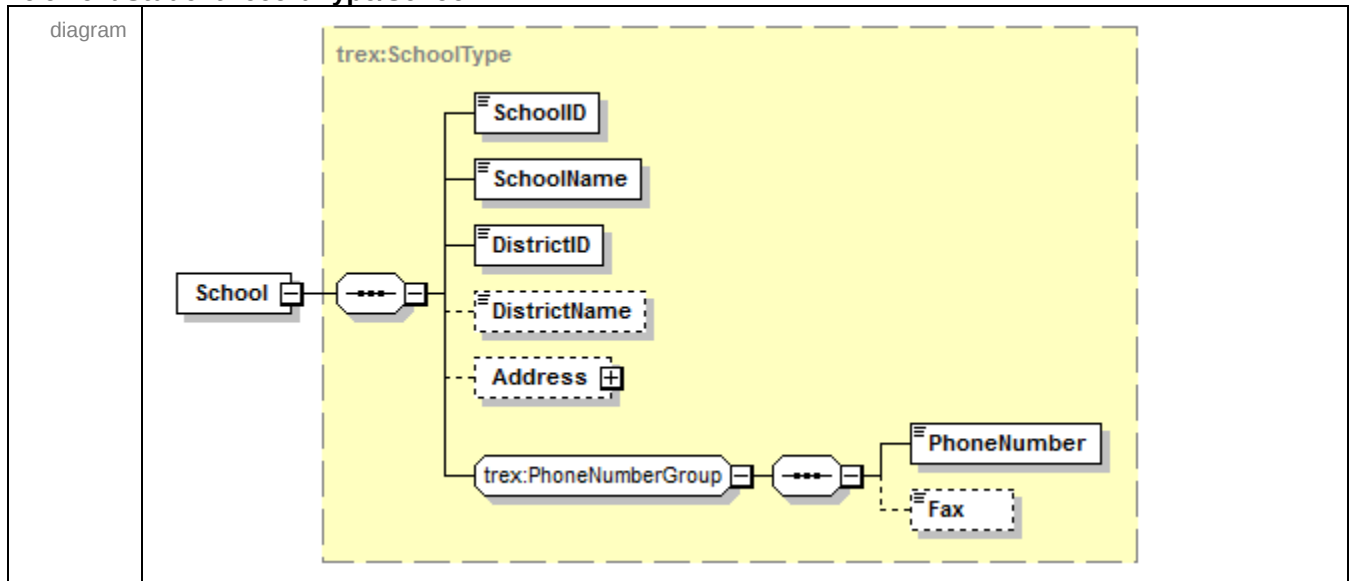
element **StudentRecordType/Parent**



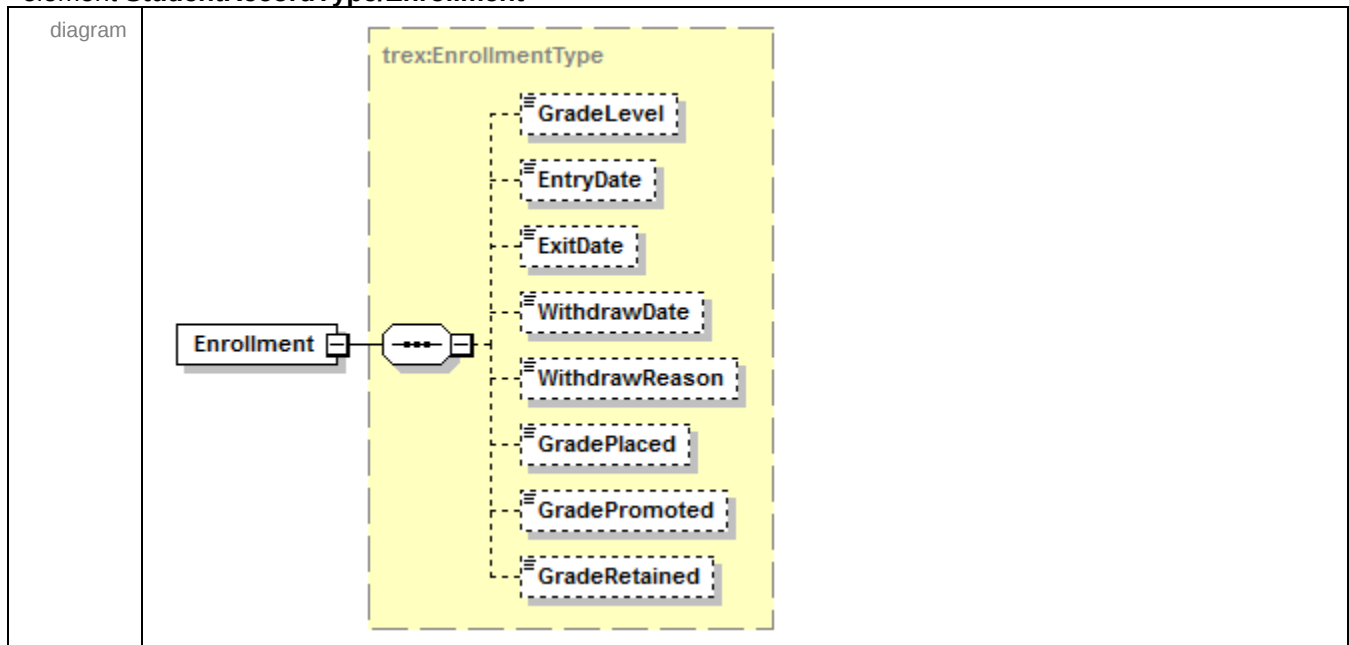
element **StudentRecordType/StudentDemographic**



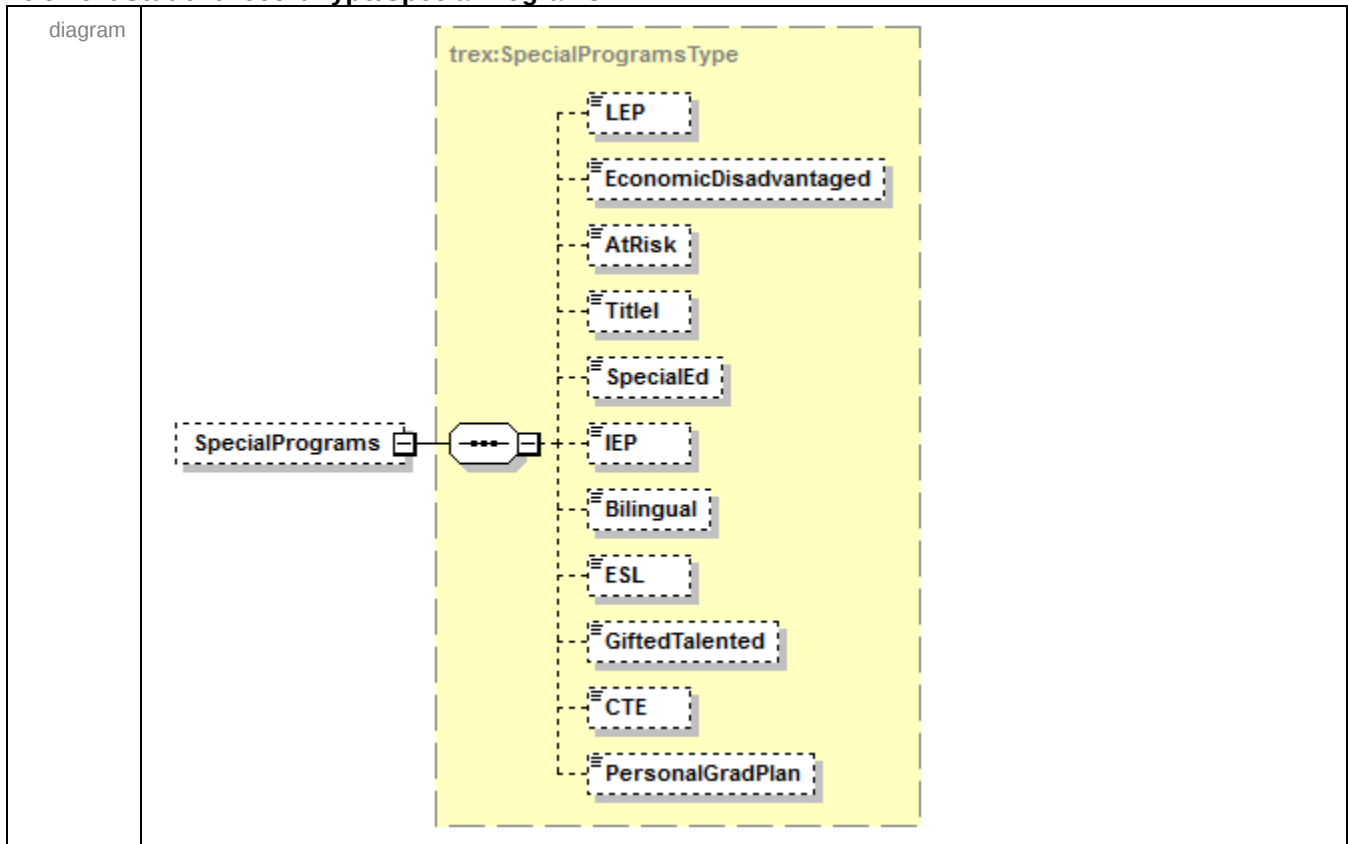
element **StudentRecordType/School**



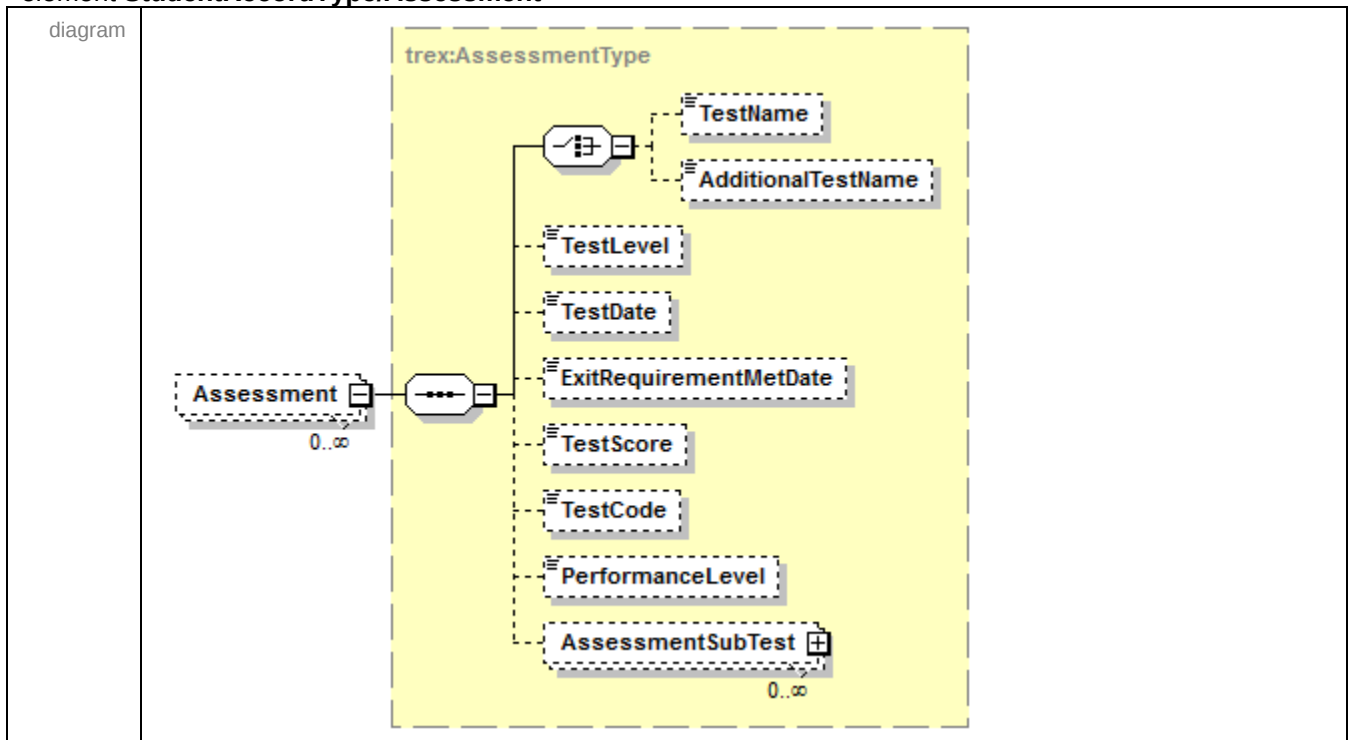
element **StudentRecordType/Enrollment**



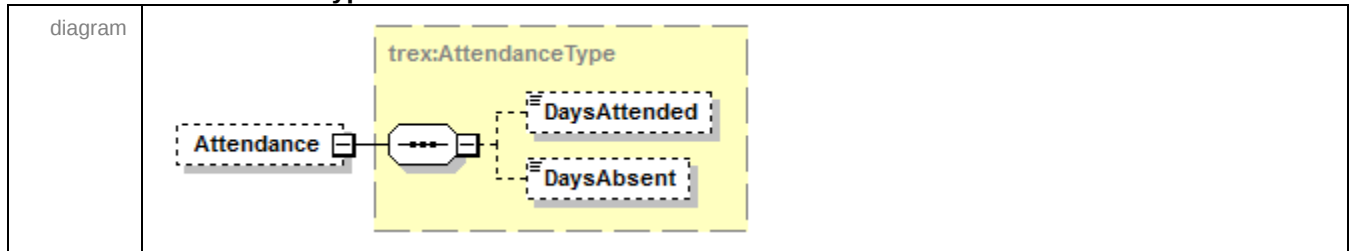
element **StudentRecordType/SpecialPrograms**



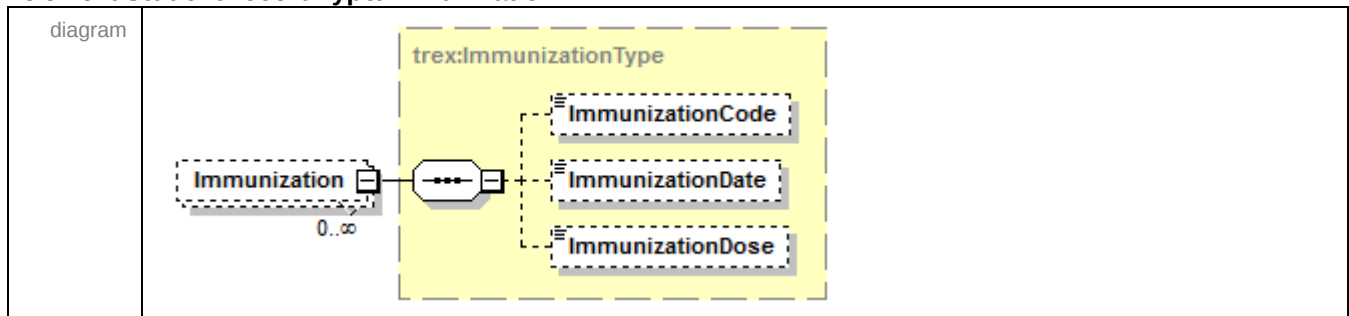
element **StudentRecordType/Assessment**



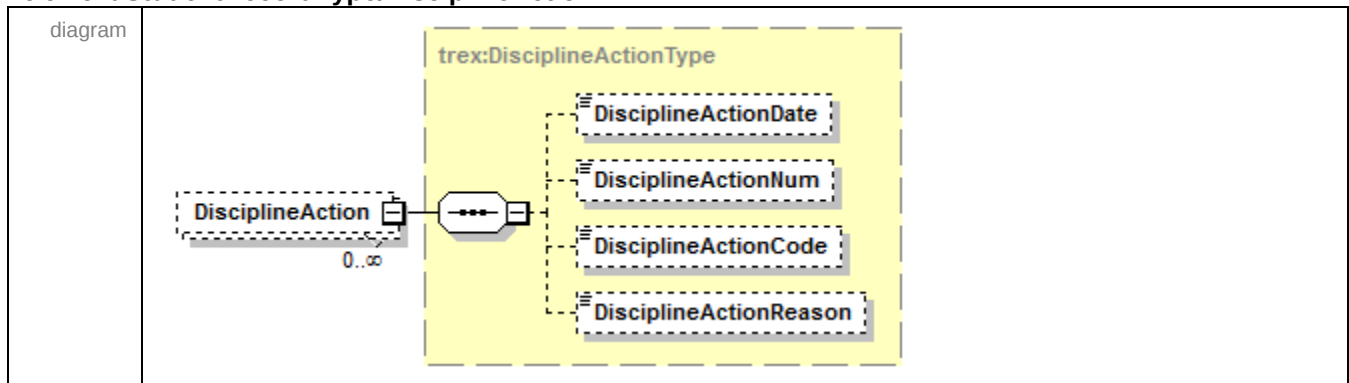
element **StudentRecordType/Attendance**



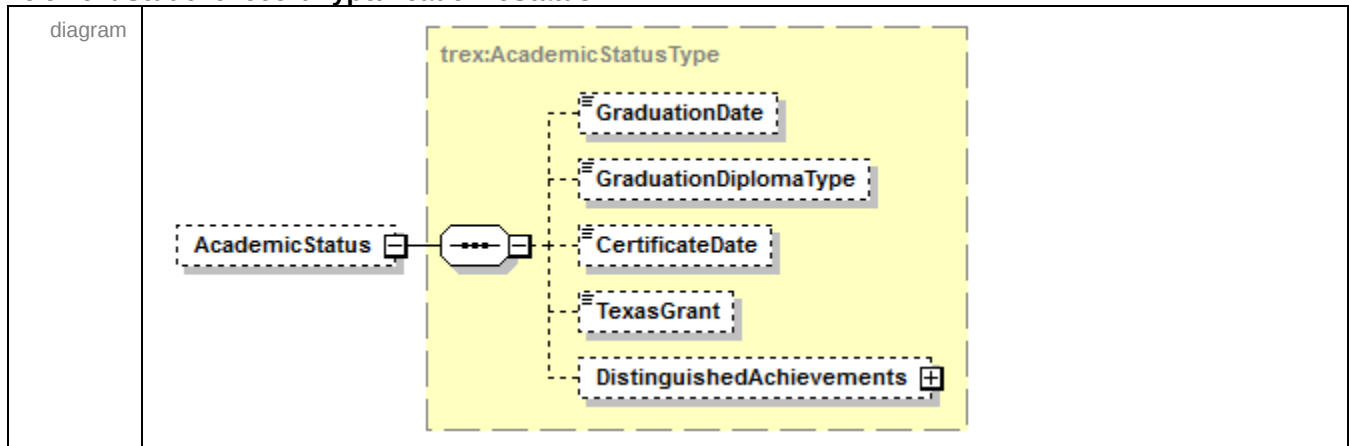
element **StudentRecordType/Immunization**



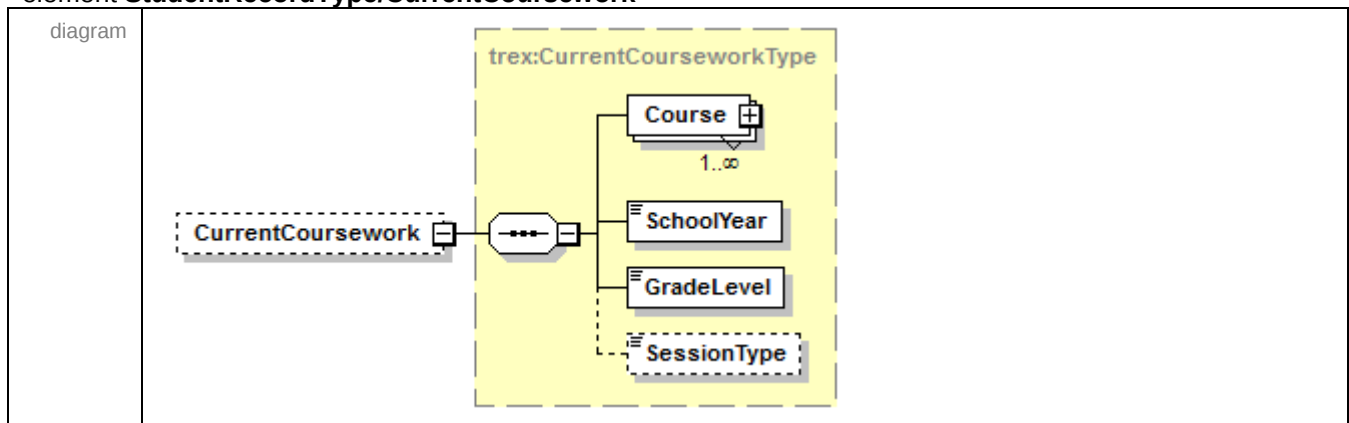
element **StudentRecordType/DisciplineAction**



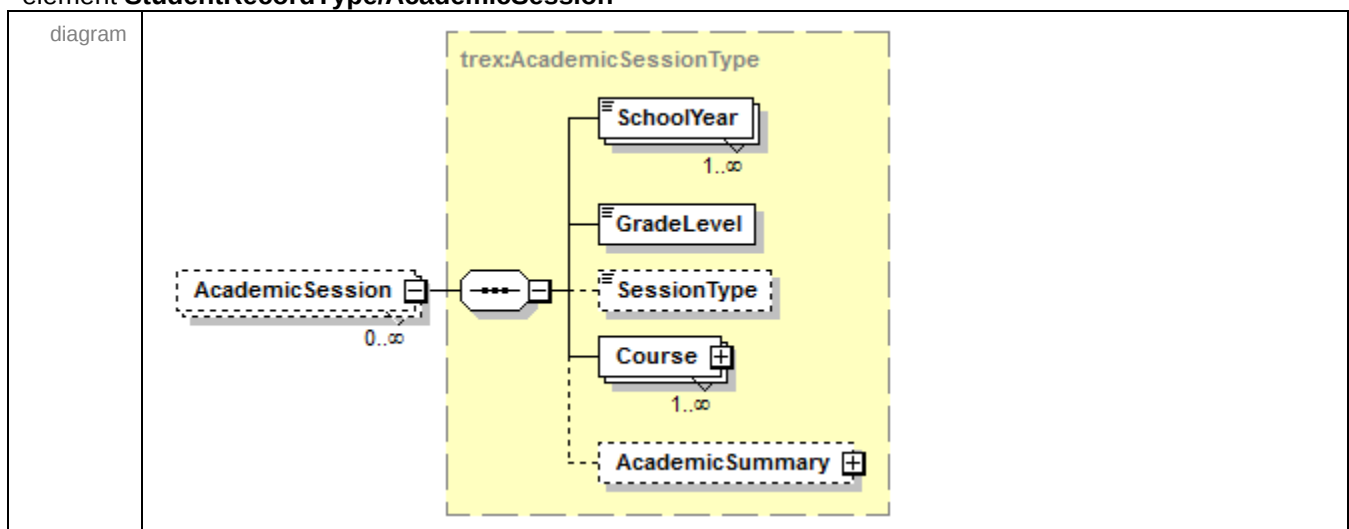
element **StudentRecordType/AcademicStatus**



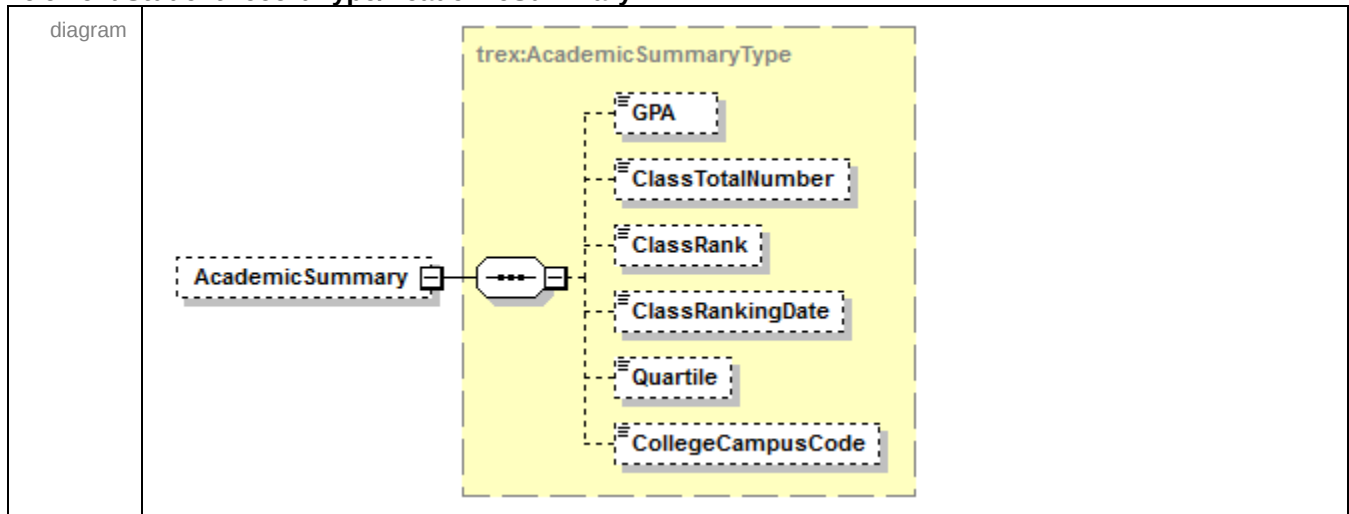
element **StudentRecordType/CurrentCoursework**



element **StudentRecordType/AcademicSession**



element **StudentRecordType/AcademicSummary**



simpleType **AbbreviationType**

simpleType **AdditionalTestNameType**

simpleType **AddressStringType**

simpleType **AdvancedMeasureType**

simpleType **AsyleeRefugeeCodeType**

simpleType **BilingualType**

simpleType **CareerTechEdType**

simpleType **CityType**

simpleType **ClassPeriodType**

simpleType **ClassRankType**

simpleType **ClassTotalNumberType**

simpleType **CollegeCampusCodeType**

simpleType **CountryType**

simpleType **CourseCreditType**

simpleType **CourseExplanationType**

simpleType **CourseGradeType**

simpleType **CourseIDType**

simpleType **CourseTeacherType**

simpleType **CourseTitleType**

simpleType **DaysType**

simpleType **DisciplineActionCodeType**

simpleType **DisciplineActionNumType**

simpleType **DisciplineActionReasonType**

simpleType **DistrictIDType**

simpleType **DistrictNameType**

simpleType **EconomicDisadvantagedType**

simpleType **ESLType**

simpleType **EthnicityYesNoType**

simpleType **FirstNameType**

simpleType **GenderType**

simpleType **GiftedTalentedType**

simpleType **GPAType**

simpleType **GradeLevelType**

simpleType **GraduationDiplomaTypeType**

simpleType **ImmunizationCodeType**

simpleType **ImmunizationDoseType**

simpleType **LanguageType**

simpleType **LastNameType**

simpleType **LEPType**

simpleType **LocalIDType**

simpleType **MiddleNameType**

simpleType **ParticipationType**

simpleType **PassFailCreditType**

simpleType **PerformanceLevelType**

simpleType **PhoneNumberType**

simpleType **PostalCodeType**

simpleType **PriorIDType**

simpleType **QuartileType**

simpleType **RaceType**

simpleType **SchoolIDType**

simpleType **SchoolNameType**

simpleType **SemesterSeqType**

simpleType **SemesterType**

simpleType **SessionTypeType**

simpleType **StateProvinceType**

simpleType **StudentIDType**

simpleType **StudentUniqueIDType**

simpleType **SubjectAreaType**

simpleType **SubTestNameType**

simpleType **SuffixType**

simpleType **TestCodeType**

simpleType **TestNameType**

simpleType **TestScoreType**

simpleType **TexasGrantType**

simpleType **TitleType**

simpleType **WithdrawGradeType**

simpleType **WithdrawReasonType**

simpleType **YearRangeType**

simpleType **YMDType**

simpleType **YMType**