



**P20W Education Standards Council**

# **Implementation Guide**

# **Academic Credential &**

# **Experiential Learning**

## **Version 1.0**

**November 2016**

**Mei Hung ([meihung@stanford.edu](mailto:meihung@stanford.edu))**

## Version History

Version	Date	Changed By	Changes
1.0	October 2016	Mei Hung	Initial version submitted for PESC review and approval
1.0	November 2016	Mei Hung	Added message contributed by Jim Farmer
1.0	December 2016	Mei Hung	Updates based on latest CoreMain, AcademicRecord, and iso_3166 libraries.

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### 1 Introduction

Considering that the rise of a more skilled and more demanding workforce requires stronger and more targeted talent and skills, the Academic Credential and Experiential Learning Task Force has been focused on the emergence of innovative ideas and processes that might better capture potential skills and talents not included in the traditional digital record. "As registrars, many of us struggle constantly to maintain consistency in the face of faculty and student demands for a more comprehensive credential that documents the student academic experience in greater depth," Dr. Rodney Parks, Registrar at Elon University, states in

winning PESC's 16th Annual Best Practices Competition. The final mission of the Task Force with its goals and outputs will be determined by the Task Force as it prepares for its inaugural meeting. Initial tasks include:

- serving as a resource for the education community and archiving all relevant articles, statuses and regulations, guides, and references developed throughout the sector by various stakeholders;
- identifying and monitoring emerging innovations, best practices, and prototypes to ensure awareness and transparency; and,
- collaborating with all other stakeholders that are leading the space in academic credential and experiential learning.

The current transcript, designed to record learning in the form of course enrollments, course credits, and grades, is no longer a sufficiently robust approach to satisfy the needs of the modern learner. Higher Education institutions have long adopted the Carnegie Unit as a policy which specifies that learning be recorded in the form of time. The GPA (grade point average), a calculation based on that standard, was commonly used to demonstrate a student's achievement. While the transcript and the Carnegie Unit have served the academy well for over a hundred years, changes in pedagogy and technology have caused a greater awareness that learning should not be measured just as course credits and grades, but should be more descriptive. Learning outcomes and a variety of other assessment methods are a means to describe learning more in the form of skills, capacities, and abilities mastered.

While there are new ideas about what should be recorded, higher education has not coalesced around a single approach, or even a handful of approaches. It will take time to come to broad agreement on the best way to describe and record the learning that takes place on campuses. Further, noncurricular or experiential learning, arguably counting among the most important activities in which students can engage, is increasingly considered worthy of noting and recording alongside the curricular learning that leads to majors and minors and, ultimately, degrees.

Starting over twenty-five years ago, transcript and course inventory standards were promulgated to enable the portability of the established records of the academy as data. EDI, XML, and PDF formats have been employed in a variety of use cases to make data exchange common at least within higher education. Certainly, many students benefit from the ease with which courses and credit information can be shared between institutions. And the use of the PDF format has made it easier for the exchange of student achievement information with third parties outside higher education.

Thus, it is not too early to think about how to capture and convey learning data that describes experiential learning alongside one of its most common expressions of acknowledgment, the certificate credential. Paper certificate credentials have been in existence for centuries and are used by many organizations and institutions to recognize participation, completion, or achievement. However, there is no standard at present enabling the electronic exchange of information related to the certificate credential. Thus, it is hereby proposed that the following XML standard begin to serve as a means both to create the digital form of the certificate credential and to embed within it the information that the certificate credential recognizes. Certainly this credential standard could be adopted to convey diploma information as well. The principal value proposition for a digital credential is to convey to the learner what (s)he has learned or achieved, but it must also provide a standardized form for the learner so that the personal data it contains may be more easily controlled and shared with others using certification and authorization technology commonly available today.

## 2 Development History

- 1) The Board of Directors of PESC announced the formation of an interorganizational Task Force focused on Academic Credentialing and Experiential Learning at the PESC Spring 2015 Data Summit ED Data Systems (April 28-30, 2015).
  - [http://www.pesc.org/library/docs/about\\_us/press/ACTaskForceANNOUNCE06-17-2015v4final.pdf](http://www.pesc.org/library/docs/about_us/press/ACTaskForceANNOUNCE06-17-2015v4final.pdf)
- 2) Discussion of the “emerging best practices in academic credentialing and experiential learning” at the 2nd Annual Global Symposium and Summit (October 14-16, 2015).
  - [http://www.pesc.org/interior.php?page\\_id=244](http://www.pesc.org/interior.php?page_id=244)
- 3) Academic credentialing and experiential learning task force presented the "business case for the development of a PESC standard in xml for supporting credentialing and experiential learning records and for enhancing data exchange mobility" and introduced alternative framework for learning outcome skills mapping at the Spring 2016 data summit (April 13-15, 2016).
  - [http://www.pesc.org/interior.php?page\\_id=247](http://www.pesc.org/interior.php?page_id=247)
- 4) (Submitted by Jim Farmer, Instructional Media + Magic Inc.) The discussion draft was prepared for the PESC Fall 2016 Symposium and Data Summit held October 12-14 in San Diego, California. It was presented and discussed at the Thursday session of the Academic Credentialing and Experiential Learning Task Force and Common Credential. Thomas C. Black, Associate Vice Provost and Stanford University Registrar, and Mei Hung, Application Developer, Stanford University, demonstrated a prototype implementation that Mei Hung had developed for certificates.

During the discussion, it was suggested that the proposed specification be made available to the HR (Human Resources) Open Standards organization and interested employers. The HR Technology Conference held the previous week had several presentations of Automated Tracking Systems used for the recruiting process. Algorithms are being developed and used to make decisions during the evaluation process. These systems may work more effectively if digital versions of materials, such as PESC’s electronic transcript and ePortfolio and the credentials specification described in this document, are widely implemented. This document is being shared with employers and those informal contacts are continuing.

In an earlier email to the Task Force and others, Alex Jackl, Bardic Systems Inc., had summarized the comments on the XML specification and the XML Schema (XSD) that implements an evaluation of compliance with the standard. Those comments led to changes incorporated in this draft specification.

Executive Director Michael Sessa said that the Task Force expects to complete their work and, following a Public Comment Period, present the proposed standard for approval at the Spring 2017 Symposium and Data Summit to be held May 3-5, 2017, in Washington DC.

In an email, Sessa described the process:

“A proposed standard, once all the development work is successfully completed, is posted online at [www.pesc.org](http://www.pesc.org). Included in each proposed standard are the Implementation Guide, XML Schema and Sample Instance Document. All comments from the education community and the general public must be made by email to PESC President & CEO at [Michael.Sessa@PESC.org](mailto:Michael.Sessa@PESC.org). Public comments can address any and/or all part of the standard being proposed.”

With this instruction, the Task Force and publisher Stanford University have been gracious and willing to make this document publicly available. Hopefully, this additional distribution encourages readers to participate in the Public Comment Period and perhaps attend the PESC Spring Summit where final changes in the document will be made and the discussion turns to implementation of the standard.

This document is being provided to interested HR software developers and employers as well as higher education.

### 3 Acknowledgments

#### Contributors:

Tom Black	Stanford University
Joellen Shendy	University of Maryland University College
Alex Jackl	Bardic Systems
Michael Sessa	PESC
Tuan Anh Do	San Francisco State University
Kristi Blabaum	Great Lakes Higher Education Corporation & Affiliates
Don Phillips	Xap
Jim Goodell	Quality Information Partners
Michael Morris	ACT
Jeff Elliott	University of Missouri
Jim Farmer	Instructional Media + Magic Inc.
Susan McCrackin	Collegeboard.org
Patrick Elliott	University of Maryland University College
W. Matt Bemis	University of Southern California
Jack Weber	Credentials Solutions
Rajeev Arora	Parchment
Jeffrey Alderson	Eduventures
David Moldoff	AcademyOne
Steven Margenau	Great Lakes Educational Loan Services
Paul Baldrige	Great Lakes Educational Loan Services
Mei Hung	Stanford University



## 4 Other Standards or Schema Referenced

This standard references the following PESC standards, specifications, and schemas:

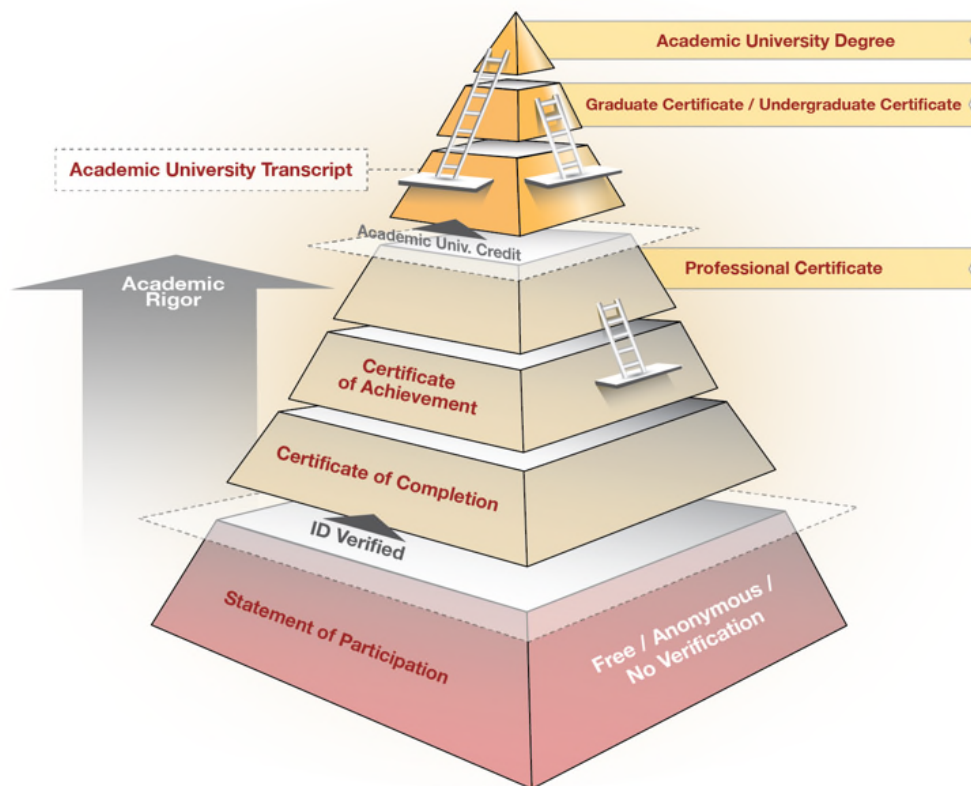
- [Core Main](http://www.pesc.org/interior.php?page_id=181) (http://www.pesc.org/interior.php?page\_id=181)
- [Academic Record](http://www.pesc.org/interior.php?page_id=182) (http://www.pesc.org/interior.php?page\_id=182)
- [Transcript Request and Response](http://www.pesc.org/interior.php?page_id=174) (http://www.pesc.org/interior.php?page\_id=174)
- [College Transcript](http://www.pesc.org/interior.php?page_id=164) (http://www.pesc.org/interior.php?page\_id=164)
- [Education Course Inventory](http://www.pesc.org/interior.php?page_id=243) (http://www.pesc.org/interior.php?page\_id=243)

## 5 Terminology

To ensure clarity and consistency, below are definitions of the terminology used in the context of this Guide:

- AwardEndorse: Official approver of the credential award.
- LearningOutcomeSkillCode: Learning outcome skill based on DQP intellectual skills.
- LearningOutcomeProficiency: Assessment of learning proficiency.
- AlternateOutcomeFramework: The alternative skill mappings associated with learning outcomes.
- ContinuingEducationUnits (CEUs): One CEU equals ten hours of participation.
- AcademicAwardLevel: The credential award classification is illustrated as below.
- DQP ([Degree Qualification Profile](http://degreeprofile.org) - http://degreeprofile.org): A set of reference points for what students should know and be able to do upon completion of associate, bachelor's and master's degrees – in any field of study.
- CEDS ([Common Education Data Standards](https://ceds.ed.gov/dataModelEntities.aspx) - https://ceds.ed.gov/dataModelEntities.aspx): The schema elements in the standard are aligned with data element definition in CEDS.

Following is an illustration of the AcademicAwardLevelType tag.



## 6 Schema Organization, Format, and Implementation

The Academic Credential and Experiential Learning schema is designed for:

- Credential records for both traditional academic learning and extra- and co-curricular experience
- Learning record data exchange and mobilization
- Records for credential artifact generation and presentation
- Expression of the contents of the program as learning outcomes and learning reflection
- Learning outcome proficiency assessment
- Learning outcome mapping to alternative systems such as HR system, Higher Ed student records system.
- Both PreK, K-12 and Work Force eco-systems as well as Higher Education

The schema includes the components of Academic Program, Academic Session, and College Transcript Course and it is structured to support the needs of both academic and experiential learning records. It also serves the purpose of data transmission using the Transcript Request and Response standard. The schema supports credential artifact generation and presentation.

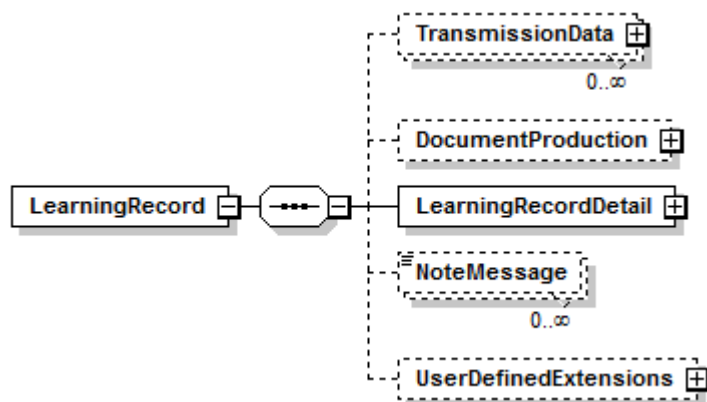
## 7 Overview of Academic Credential and Experiential Learning Components

The standard proposes modifications based on the latest versions of CoreMain, AcademicRecord, and iso\_3166 libraries.

The schema is composed of 3 main sections:

1. **Transmission Data Section:** This section uses the existing [PESC Request and Response of the XML Transcript standard](http://www.pesc.org/interior.php?page_id=174) [http://www.pesc.org/interior.php?page\_id=174] and is for conveying data to other systems. It describes the requesting source, which is an education institute, and the destination, which indicates the school or an organization receives the document.
2. **Document Production Section:** The section describes information for generating artifacts to present learning records. An artifact is a visual presentation of the learning result credential. It also describes the document format, such as XML, PDF, or PDF with attachment
3. **Credential Learning Record Detail Section:** This section describes acknowledgment of credential learning records and expression of learning that is more explicit in terms of intellectual skills, outcomes, goals, or capacities. Learning outcomes can be assessed and can be mapped to alternative vocabularies defined in other frameworks.

The components of the schema are displayed below:

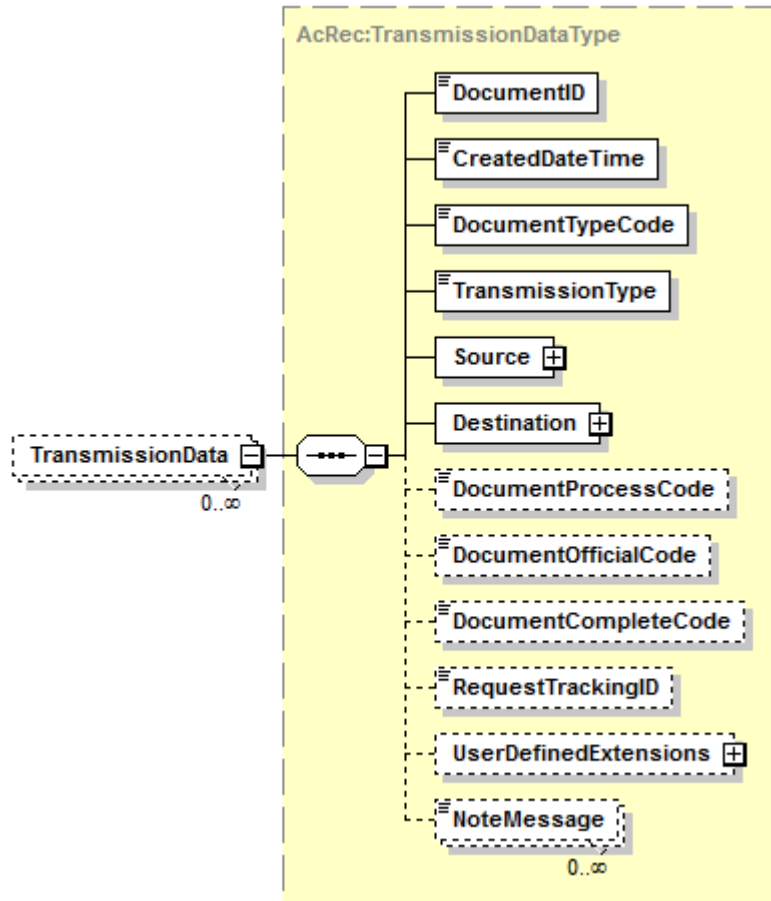


### 7.1 TransmissionData

#### LearningRecord/TransmissionData

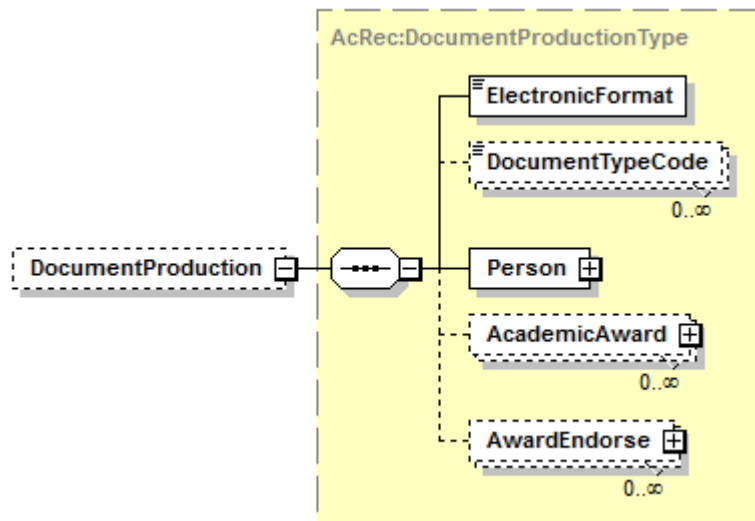
\*\* [PESC Request Implementation Guide](http://www.pesc.org/library/docs/standards/College%20Transcript/XMLtranREQUESTigV1-2-0.pdf)  
 [http://www.pesc.org/library/docs/standards/College%20Transcript/XMLtranREQUESTigV1-2-0.pdf]

\*\* [PESC Negative Response Implementation Guide](http://www.pesc.org/library/docs/standards/College%20Transcript/XMLTRA_x007E_1.pdf)  
 [http://www.pesc.org/library/docs/standards/College%20Transcript/XMLTRA\_x007E\_1.pdf]



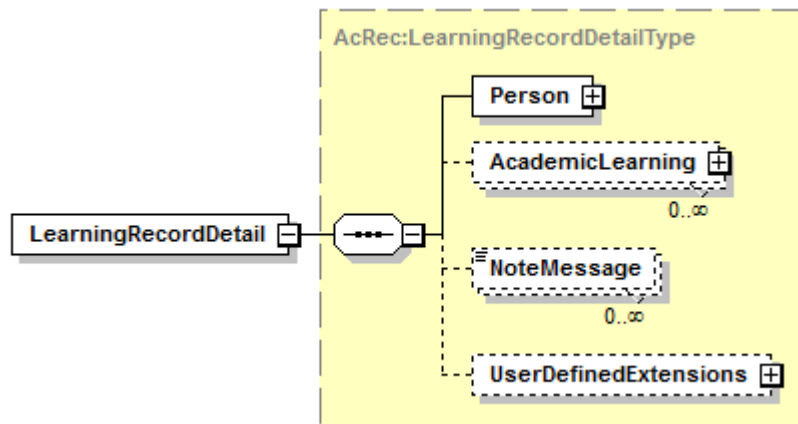
## 7.2 DocumentProduction

The Document Production component is designed for learning records artifact generation. The artifact holds the proof for credential awards including the standard elements of student identification data, including award title and program award endorsement information. With this information, the organization has the ability to design the credential artifact in forms including image, PDF, or Word document.



## 7.3 LearningRecordDetail

LearningRecordDetail component provides a structure for holding Academic Credential and Experiential Learning records. It is used to hold a learner's identification record and both the traditional academic learning records as well as extra- and co-curricular experience records.

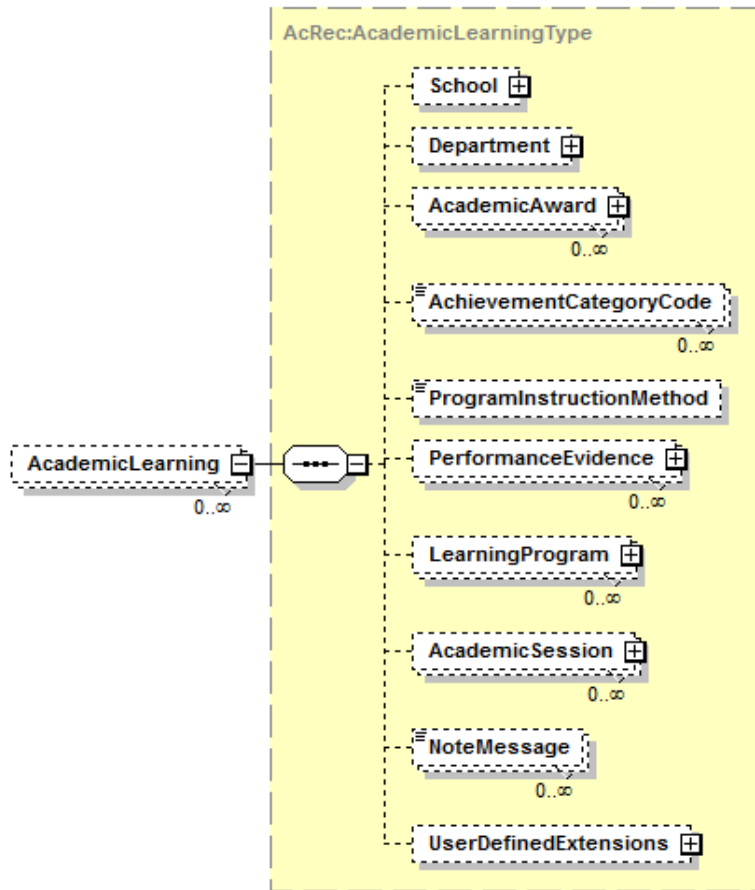


## 7.4 AcademicLearning

The AcademicLearning element provides a structure for storing learning records. The learning records can be academic, co-curricular, and extracurricular activities records.

The information is credited in elements shown in the following

- A credential program is provided by accredited organizations, such as a school or a department.
- A credential award should specify the level of the degree, certificate, or award granted for the successful completion of requirements of an academic program. Summary Type information (child of Academic Award) can also indicate if the award is credited to an academic degree.
- An Achievement Category is the category of the area in which achievement was earned.
- The Program Instruction Method is used for program and the courses.
- The Performance Evidence is a website location which keeps the result or products from the learning activities. It can be a community services reflection, project research document, or portfolio data.
- Learning Program is the plan of series courses learning and/or extracurricular activities. Program Outcomes Description identifies what the learner knows and is able to do at the end of the program.
- Academic Session holds information regarding courses taken by a learner and/or holds the learning experiences and reflection expressed by the learner during the session period.
- A course's learning outcome describes in a comprehensive way what a student should be expected to demonstrate as a result of taking the course.
- A course learning outcome can be assessed based on the categories of proficiencies defined DQP.
- A course learning outcome has mapping to alternative vocabularies from third parties or career-building sites that can easily utilize learning outcomes as student capabilities.



## 8 Academic Credential and Experiential Learning Details

### 8.1 Elements

Elements	Complex types
<a href="#">LearningRecord</a>	<a href="#">LearningRecordType</a>
<a href="#">Mentor</a>	<a href="#">EndorseType</a>
<a href="#">AwardEndorse</a>	<a href="#">EndorseType</a>
<a href="#">SponsorOrganization</a>	<a href="#">AcRec:OrganizationType</a>
<a href="#">PerformanceEvidence</a>	<a href="#">URLType</a>

### 8.2 Types

Complex types	Simple types
<a href="#">DocumentProductionType</a>	<a href="#">LearningTopicType</a>
<a href="#">EndorseType</a>	<a href="#">LearningOutcomeDescriptionType</a>
<a href="#">LearningRecordDetailType</a>	<a href="#">LearningOutcomeSkillCodeType</a>
<a href="#">AcademicLearningType</a>	<a href="#">LearningOutcomeProficiencyCodeType</a>
<a href="#">LearningProgramType</a>	<a href="#">FrameworkOutcomeIdType</a>
<a href="#">AcademicSessionType</a>	<a href="#">FrameworkOutcomeValue</a>
<a href="#">CourseType</a>	<a href="#">DocumentTypeCodeType</a>
<a href="#">CourseInstructorType</a>	<a href="#">PlacementLocation</a>
<a href="#">LearningOutcomeType</a>	<a href="#">LearningReflection</a>
<a href="#">LearningOutcomeQualificationAssessmentType</a>	<a href="#">AcademicAwardLevel</a>
<a href="#">AlternateOutcomeFrameworkType</a>	
<a href="#">FrameworkOutcomeType</a>	
<a href="#">LearningExperienceType</a>	

## 8.3 Schema Diagrams

### LearningRecord

<p>diagram</p>	
<p>type</p>	<p><a href="#">LearningRec:LearningRecordType</a></p>
<p>properties</p>	<p>content complex</p>
<p>children</p>	<p><a href="#">TransmissionData</a> <a href="#">DocumentProduction</a> <a href="#">LearningRecordDetail</a> <a href="#">NoteMessage</a> <a href="#">UserDefinedExtensions</a></p>
<p>annotation</p>	<p>documentation The root element of the credential and experiential learning message</p>
<p>source</p>	<pre>&lt;xs:element name="LearningRecord" type="LearningRec:LearningRecordType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The root element of the credential and experiential learning message&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>



### LearningRecordType

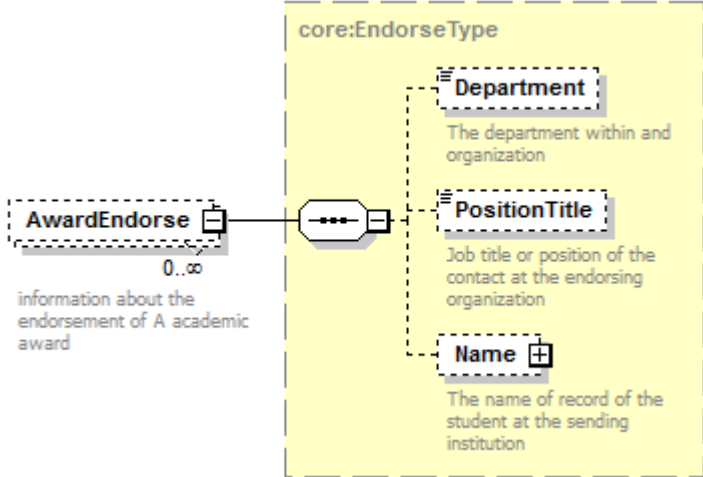
<p>diagram</p>	<p>The diagram illustrates the structure of the LearningRecordType. It is a sequence of five elements: TransmissionData, DocumentProduction, LearningRecordDetail, NoteMessage, and UserDefinedExtensions. Each element is represented by a dashed box with a plus sign icon. Below each element is a brief description: TransmissionData (Routing and header information), DocumentProduction (Information for credential document generation), LearningRecordDetail (Credential and experiential Learning Record for a student), NoteMessage (Additional information about experiential learning), and UserDefinedExtensions (Additional structured information. Requires mutually defined XML schema). The LearningRecordType is shown as a solid box with a plus sign icon, connected to a sequence container (a rounded rectangle with a dashed line) that contains the LearningRecordDetail element.</p>
<p>children</p>	<p><a href="#">TransmissionData</a> <a href="#">DocumentProduction</a> <a href="#">LearningRecordDetail</a> <a href="#">NoteMessage</a> <a href="#">UserDefinedExtensions</a></p>
<p>used by</p>	<p>element <a href="#">LearningRecord</a></p>
<p>source</p>	<pre>&lt;xs:complexType name="LearningRecordType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation/&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="TransmissionData" type="AcRec:TransmissionDataType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Routing and header information&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="DocumentProduction" type="AcRec:DocumentProductionType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Information for credential document generation&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LearningRecordDetail" type="AcRec:LearningRecordDetailType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Credential and experiential Learning Record for a student&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Additional information about experiential</pre>

	<pre> learning&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="UserDefinedExtensions" type="core:UserDefinedExtensionsType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Additional structured information. Requires mutually defined XML schema.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;                     </pre>
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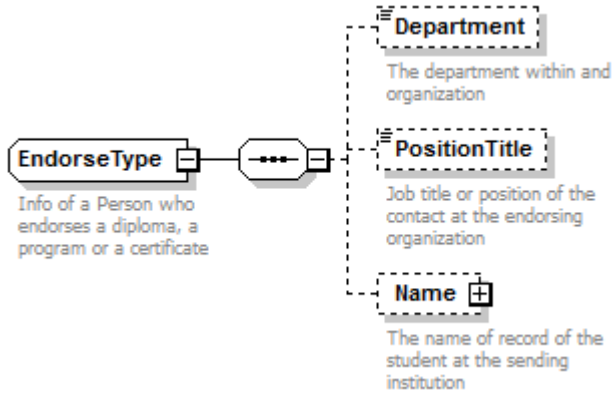
### DocumentProductionType

diagram	
children	<a href="#">ElectronicFormat</a> <a href="#">DocumentTypeCode</a> <a href="#">Person</a> <a href="#">AcademicAward</a> <a href="#">AwardEndorse</a>
used by	element <a href="#">LearningRecord/DocumentProduction</a>
annotation	documentation Information for credential document generation
source	<pre> &lt;xs:complexType name="DocumentProductionType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt; Information for credential document generation   &lt;/xs:documentation&gt; &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ElectronicFormat" type="AcRec:ElectronicFormatType"/&gt;     &lt;xs:element name="DocumentTypeCode" type="core:DocumentTypeCodeType" minOccurs="0" maxOccurs="unbounded"/&gt;     &lt;xs:element name="Person" type="AcRec:PersonType"/&gt;     &lt;xs:element name="AcademicAward" type="AcRec:AcademicAwardType" minOccurs="0" maxOccurs="unbounded"/&gt;     &lt;xs:element name="AwardEndorse" type="core:EndorseType" minOccurs="0" maxOccurs="unbounded"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;                     </pre>

**DocumentProductionType/AwardEndorse**

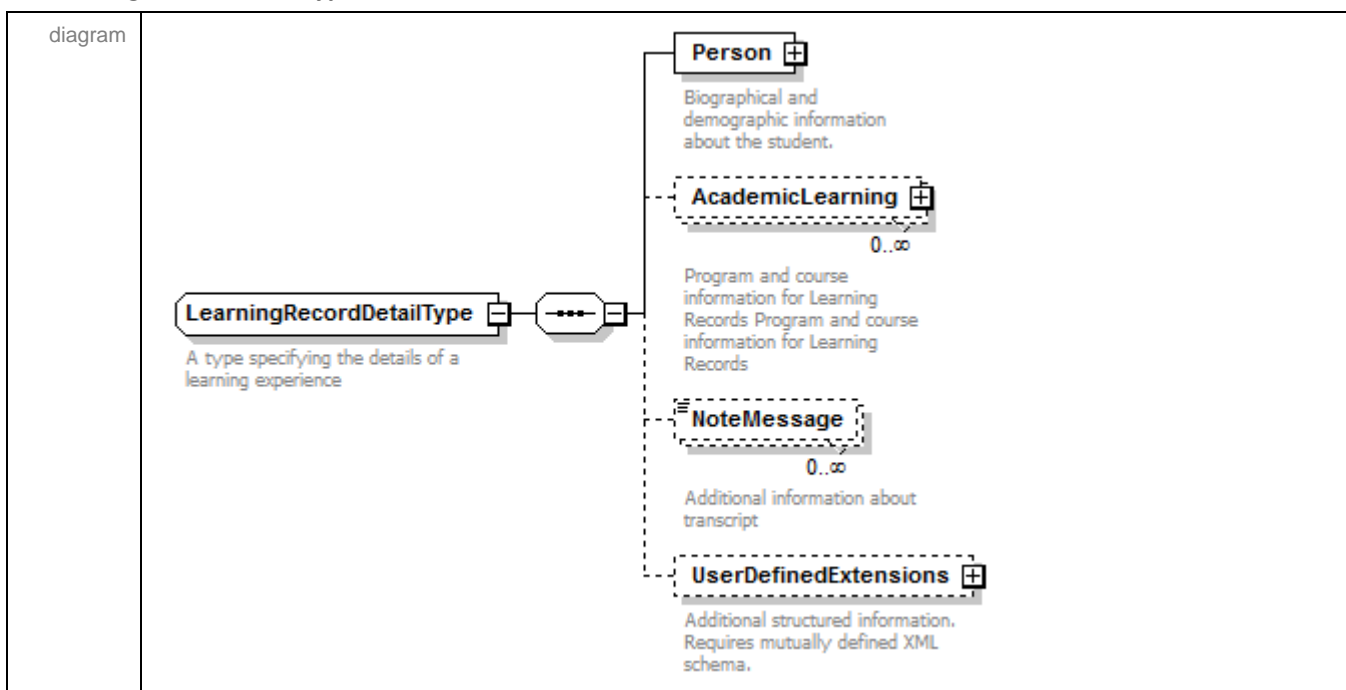
<p>diagram</p>	
<p>type</p>	<p><a href="#">core:EndorseType</a></p>
<p>properties</p>	<p>minOcc 0</p> <p>maxOcc unbounded</p> <p>content complex</p>
<p>children</p>	<p><a href="#">Department</a> <a href="#">PositionTitle</a> <a href="#">Name</a></p>
<p>annotation</p>	<p>documentation</p> <p>information about the endorsement of A academic award</p>
<p>source</p>	<pre>&lt;xs:element name="AwardEndorse" type="core:EndorseType" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;information about the endorsement of A academic award&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

**EndorseType**

<p>diagram</p>	
<p>children</p>	<p><a href="#">Department</a> <a href="#">PositionTitle</a> <a href="#">Name</a></p>
<p>used by</p>	<p>elements <a href="#">DocumentProductionType/AwardEndorse</a> <a href="#">LearningExperienceType/Mentor</a></p>

<p>annotation</p>	<p>documentation</p> <p>Info of a Person who endorses a diploma, a program or a certificate</p>
<p>source</p>	<pre> &lt;xs:complexType name="EndorseType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Info of a Person who endorses a diploma, a program or a certificate&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Department" type="core:OrganizationNameType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The department within and organization&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="PositionTitle" type="core:PositionTitleType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Job title or position of the contact at the endorsing organization&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Name" type="core:NameType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The name of record of the student at the sending institution&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;         </pre>

**LearningRecordDetailType**



children	<a href="#">Person</a> <a href="#">AcademicLearning</a> <a href="#">NoteMessage</a> <a href="#">UserDefinedExtensions</a>
used by	element <a href="#">LearningRecordType/LearningRecordDetail</a>
annotation	documentation A type specifying the details of a learning experience
source	<pre> &lt;xs:complexType name="LearningRecordDetailType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A type specifying the details of a learning experience&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Person" type="AcRec:PersonType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Biographical and demographic information about the student.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AcademicLearning" type="AcRec:AcademicLearningType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Program and course information for Learning Records Program and course information for Learning Records&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Additional information about transcript&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="UserDefinedExtensions" type="core:UserDefinedExtensionsType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Additional structured information. Requires mutually defined XML schema.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>

### AcademicLearningType

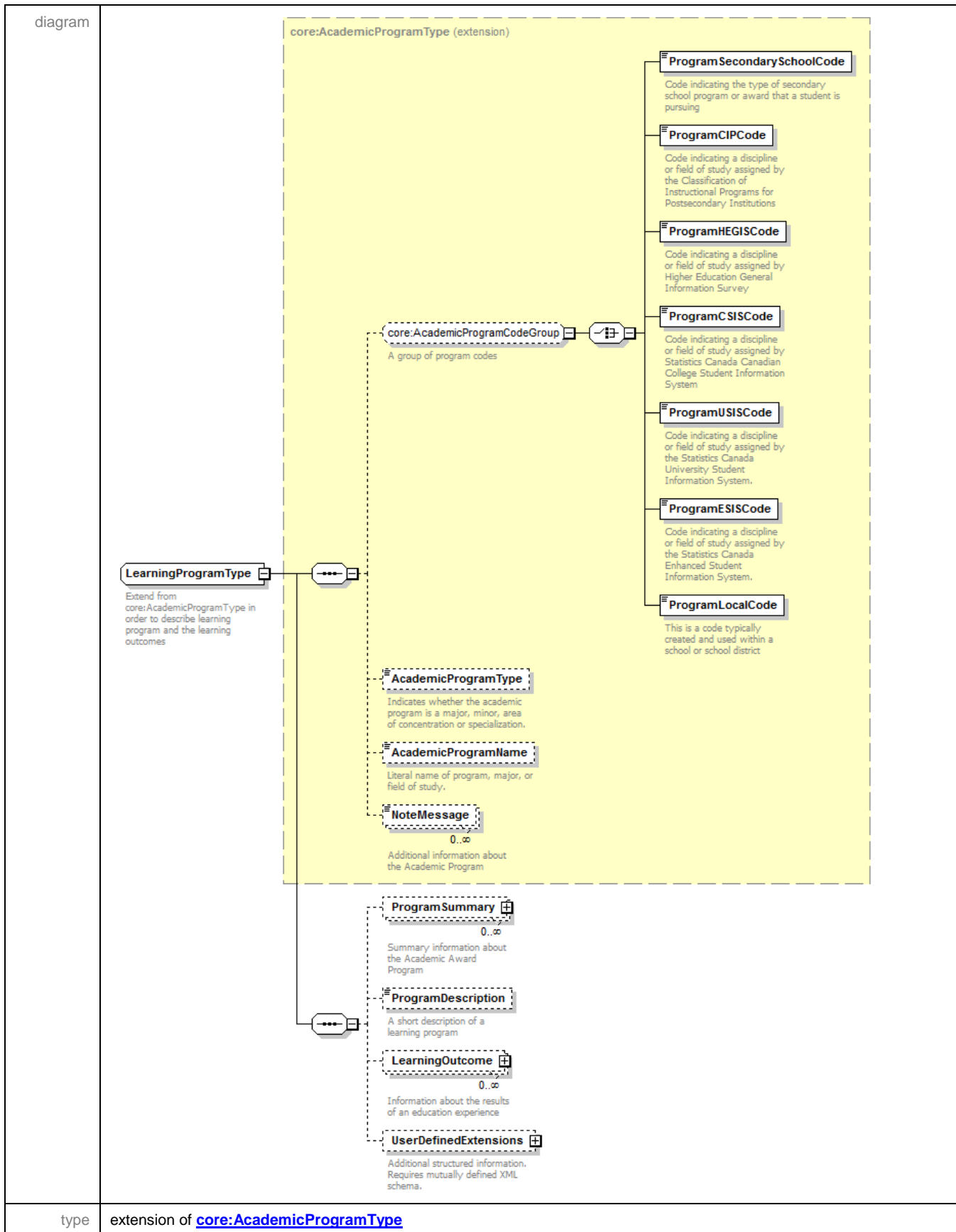
<p>diagram</p>	
<p>children</p>	<p><a href="#">School</a> <a href="#">Department</a> <a href="#">AcademicAward</a> <a href="#">AchievementCategoryCode</a> <a href="#">ProgramInstructionMethod</a> <a href="#">PerformanceEvidence</a> <a href="#">LearningProgram</a> <a href="#">AcademicSession</a> <a href="#">NoteMessage</a> <a href="#">UserDefinedExtensions</a></p>
<p>used by</p>	<p>element <a href="#">LearningRecordDetailType/AcademicLearning</a></p>
<p>annotation</p>	<p>documentation</p> <p>Extend from core:AcademicProgramType in order to describe learning program and the learning outcomes</p>

source	<pre> &lt;xs:complexType name="AcademicLearningType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Extend from core:AcademicProgramType in order to describe learning program and the learning outcomes&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="School" type="AcRec:SchoolType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Override school&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Department" type="AcRec:OrganizationType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The department within and organization&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AcademicAward" type="AcRec:AcademicAwardType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Academic awards, degrees, diplomas, certifications, etc.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AchievementCategoryCode" type="AcRec:AchievementCategoryCodeType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Category for the achievement&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ProgramInstructionMethod" type="core:CourseInstructionMethodType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Method used for instruction.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="PerformanceEvidence" type="core:URLType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;A URL of a web location that hosts a learner's work results.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LearningProgram" type="AcRec:LearningProgramType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Information about the academic program Extend from core:AcademicProgramType in order to describe learning program and the learning outcomes&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AcademicSession" type="AcRec:AcademicSessionType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Information about an academic session&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt; </pre>
--------	--

```
</xs:element>
<xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0"
maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Additional information about
transcript</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="UserDefinedExtensions"
type="core:UserDefinedExtensionsType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Additional structured information. Requires mutually
defined XML schema.</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
```

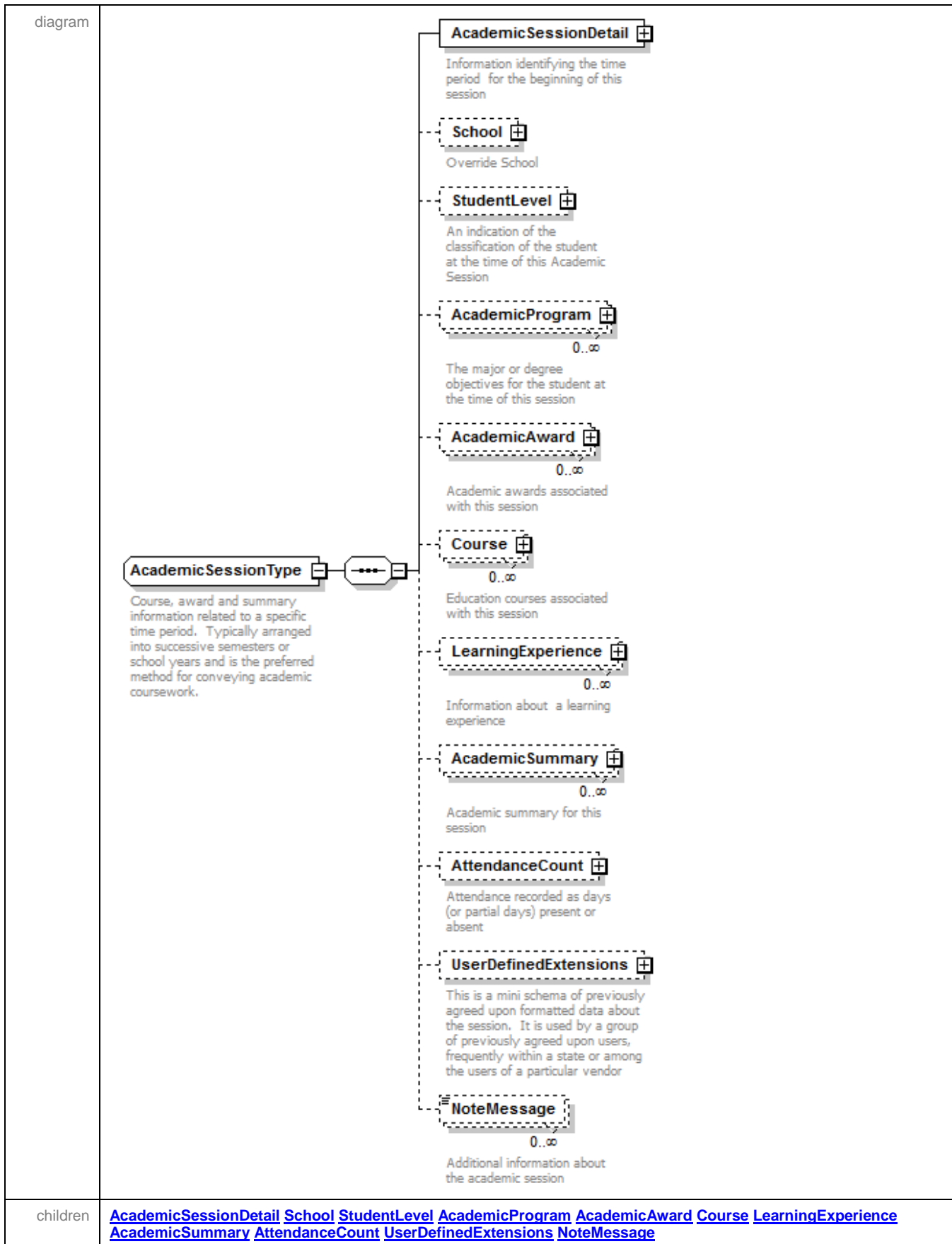


### LearningProgramType



properties	base <a href="#">core:AcademicProgramType</a>
children	<a href="#">ProgramSecondarySchoolCode</a> <a href="#">ProgramCIPCode</a> <a href="#">ProgramHEGISCode</a> <a href="#">ProgramCSISCode</a> <a href="#">ProgramUSISCode</a> <a href="#">ProgramESISCode</a> <a href="#">ProgramLocalCode</a> <a href="#">AcademicProgramType</a> <a href="#">AcademicProgramName</a> <a href="#">NoteMessage</a> <a href="#">ProgramSummary</a> <a href="#">ProgramDescription</a> <a href="#">LearningOutcome</a> <a href="#">UserDefinedExtensions</a>
used by	element <a href="#">AcademicLearningType/LearningProgram</a>
annotation	documentation Extend from core:AcademicProgramType in order to describe learning program and the learning outcomes
source	<pre> &lt;xs:complexType name="LearningProgramType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Extend from core:AcademicProgramType in order to describe learning program and the learning outcomes&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="core:AcademicProgramType"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="ProgramSummary" type="AcRec:AcademicSummaryBaseType" minOccurs="0" maxOccurs="unbounded"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Summary information about the Academic Award Program&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;         &lt;xs:element name="ProgramDescription" type="xs:string" minOccurs="0"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;A short description of a learning program&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;         &lt;xs:element name="LearningOutcome" type="core:LearningOutcomeType" minOccurs="0" maxOccurs="unbounded"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Information about the results of an education experience&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;         &lt;xs:element name="UserDefinedExtensions" type="core:UserDefinedExtensionsType" minOccurs="0"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Additional structured information. Requires mutually defined XML schema.&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre>

### AcademicSessionType



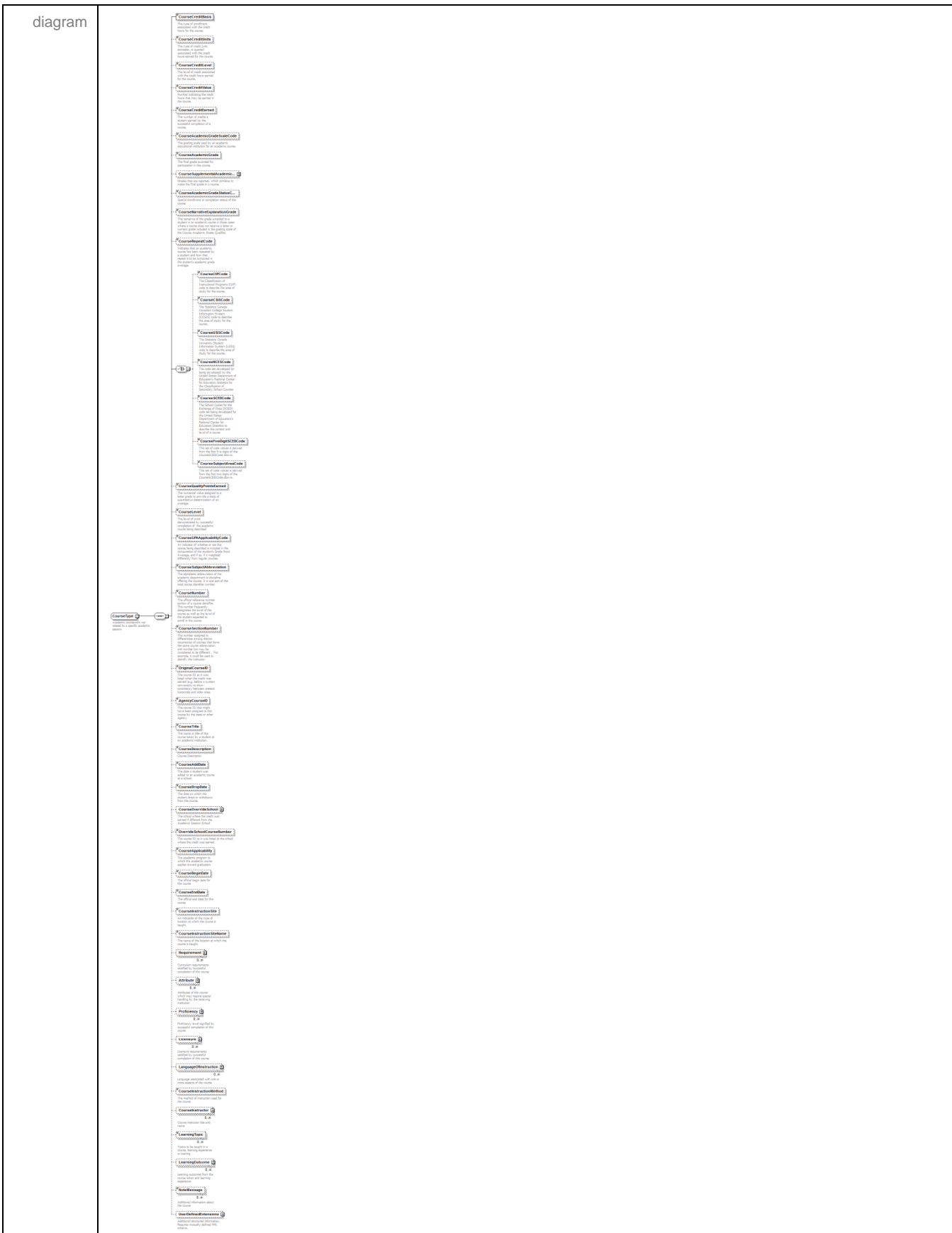
used by	elements <a href="#">AcademicRecordType/AcademicSession</a> <a href="#">AdmissionDecisionType/AcademicSession</a> <a href="#">AcademicLearningType/AcademicSession</a>
annotation	documentation  Course, award and summary information related to a specific time period. Typically arranged into successive semesters or school years and is the preferred method for conveying academic coursework.
source	<pre> &lt;xs:complexType name="AcademicSessionType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Course, award and summary information related to a specific time period. Typically arranged into successive semesters or school years and is the preferred method for conveying academic coursework.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="AcademicSessionDetail" type="core:AcademicSessionDetailType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Information identifying the time period for the beginning of this session&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="School" type="AcRec:SchoolType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Override School&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="StudentLevel" type="core:StudentLevelType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;An indication of the classification of the student at the time of this Academic Session&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AcademicProgram" type="AcRec:AcademicProgramType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The major or degree objectives for the student at the time of this session&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AcademicAward" type="AcRec:AcademicAwardType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Academic awards associated with this session&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Course" type="AcRec:CourseType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Education courses associated with this session&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LearningExperience" type="AcRec:LearningExperienceType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt; </pre>

```

    <xs:documentation>Information about a learning
experience</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="AcademicSummary" type="AcRec:AcademicSummaryFType"
minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Academic summary for this session</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="AttendanceCount" type="core:AttendanceCountType"
minOccurs="0">
  <xs:annotation>
    <xs:documentation>Attendance recorded as days (or partial days) present
or absent</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="UserDefinedExtensions"
type="core:UserDefinedExtensionsType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>This is a mini schema of previously agreed upon
formatted data about the session. It is used by a group of previously agreed
upon users, frequently within a state or among the users of a particular
vendor</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0"
maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Additional information about the academic
session</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

### CourseType



children	<a href="#">CourseCreditBasis</a> <a href="#">CourseCreditUnits</a> <a href="#">CourseCreditLevel</a> <a href="#">CourseCreditValue</a> <a href="#">CourseCreditEarned</a> <a href="#">CourseAcademicGradeScaleCode</a> <a href="#">CourseAcademicGrade</a> <a href="#">CourseSupplementalAcademicGrade</a> <a href="#">CourseAcademicGradeStatusCode</a> <a href="#">CourseNarrativeExplanationGrade</a> <a href="#">CourseRepeatCode</a> <a href="#">CourseCIPCode</a> <a href="#">CourseCSISCode</a> <a href="#">CourseUSISCode</a> <a href="#">CourseNCESCode</a> <a href="#">CourseSCEDCode</a> <a href="#">CourseFiveDigitSCEDCode</a> <a href="#">CourseSubjectAreaCode</a> <a href="#">CourseQualityPointsEarned</a> <a href="#">CourseLevel</a> <a href="#">CourseGPAApplicabilityCode</a> <a href="#">CourseSubjectAbbreviation</a> <a href="#">CourseNumber</a> <a href="#">CourseSectionNumber</a> <a href="#">OriginalCourseID</a> <a href="#">AgencyCourseID</a> <a href="#">CourseTitle</a> <a href="#">CourseDescription</a> <a href="#">CourseAddDate</a> <a href="#">CourseDropDate</a> <a href="#">CourseOverrideSchool</a> <a href="#">OverrideSchoolCourseNumber</a> <a href="#">CourseApplicability</a> <a href="#">CourseBeginDate</a> <a href="#">CourseEndDate</a> <a href="#">CourseInstructionSite</a> <a href="#">CourseInstructionSiteName</a> <a href="#">Requirement</a> <a href="#">Attribute</a> <a href="#">Proficiency</a> <a href="#">Licensure</a> <a href="#">LanguageOfInstruction</a> <a href="#">CourseInstructionMethod</a> <a href="#">CourseInstructor</a> <a href="#">LearningTopic</a> <a href="#">LearningOutcome</a> <a href="#">NoteMessage</a> <a href="#">UserDefinedExtensions</a>
used by	elements <a href="#">AcademicRecordType/Course</a> <a href="#">AcademicSessionType/Course</a> <a href="#">TransferCreditType/TransferCoursesAccepted</a>
annotation	documentation  Academic coursework not related to a specific academic session.
source	<pre> &lt;xs:complexType name="CourseType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Academic coursework not related to a specific academic     session.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="CourseCreditBasis" type="core:CourseCreditBasisType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The type of enrollment associated with the credit         hours for the course.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="CourseCreditUnits" type="core:CourseCreditUnitsType"     minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The type of credit (unit, semester, or quarter)         associated with the credit hours earned for the course.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="CourseCreditLevel" type="core:CourseCreditLevelType"     minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The level of credit associated with the credit hours         earned for the course.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="CourseCreditValue" type="core:CourseCreditValueType"     minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Number indicating the credit hours that may be earned         in the course.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="CourseCreditEarned" type="core:CourseCreditEarnedType"     minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The number of credits a student earned by the         successful completion of a course.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="CourseAcademicGradeScaleCode"     type="core:CourseAcademicGradeScaleCodeType" minOccurs="0"&gt; </pre>

```

    <xs:annotation>
      <xs:documentation>The grading scale used by an academic educational
institution for an academic course.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseAcademicGrade" type="core:CourseAcademicGradeType"
minOccurs="0">
    <xs:annotation>
      <xs:documentation>The final grade awarded for participation in the
course.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseSupplementalAcademicGrade"
type="AcRec:CourseSupplementalAcademicGradeType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Grades that are reported, which combine to make the
final grade in a course.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseAcademicGradeStatusCode"
type="core:CourseAcademicGradeStatusCodeType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Special enrollment or completion status of this
course</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseNarrativeExplanationGrade"
type="core:CourseNarrativeExplanationGradeType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The narrative of the grade awarded to a student in an
academic course in those cases where a course does not receive a letter or
numeric grade included in the grading scale of the Course Academic Grade
Qualifier.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseRepeatCode" type="core:CourseRepeatCodeType"
minOccurs="0">
    <xs:annotation>
      <xs:documentation>Indicates that an academic course has been repeated by
a student and how that repeat is to be computed in the student's academic grade
average.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:choice>
    <xs:element name="CourseCIPCode" type="core:CourseCIPCodeType"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>The Classification of Instructional Programs (CIP)
code to describe the area of study for the course.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="CourseCSISCode" type="core:CourseCSISCodeType"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>The Statistics Canada Canadian College Student
Information System (CCSIS) code to describe the area of study for the
course.</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:choice>

```



```

    </xs:annotation>
  </xs:element>
  <xs:element name="CourseUSISCode" type="core:CourseUSISCodeType"
minOccurs="0">
    <xs:annotation>
      <xs:documentation>The Statistics Canada University Student Information
System (USIS) code to describe the area of study for the
course.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseNCESCode" type="core:CourseNCESCodeType"
minOccurs="0">
    <xs:annotation>
      <xs:documentation>The code set developed (or being developed) by the
United States Department of Education's National Center for Education Statistics
for the Classification of Secondary School Courses</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseSCEDCode" type="core:CourseSCEDCodeType"
minOccurs="0">
    <xs:annotation>
      <xs:documentation>The School Codes for the Exchange of Data (SCED)
code set being developed for the United States Department of Education's
National Center for Education Statistics to describe the content and level of a
course</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseFiveDigitSCEDCode"
type="core:CourseFiveDigitSCEDCodeType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>This set of code values is derived from the first
five digits of the CourseSCEDCode above.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseSubjectAreaCode"
type="core:CourseSubjectAreaCodeType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>This set of code values is derived from the first
two digits of the CourseSCEDCode above.</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:choice>
  <xs:element name="CourseQualityPointsEarned"
type="core:CourseQualityPointsEarnedType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The numerical value assigned to a letter grade to
provide a basis of quantitative determination of an average.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseLevel" type="core:CourseLevelType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The level of work demonstrated by successful
completion of the academic course being described </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseGPAApPLICabilityCode"
type="core:CourseGPAApPLICabilityCodeType" minOccurs="0">

```

```

    <xs:annotation>
      <xs:documentation>An indicator of whether or not this course being
      described is included in the computation of the student's Grade Point Average,
      and if so, if it weighted differently from regular courses.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseSubjectAbbreviation"
  type="core:CourseSubjectAbbreviationType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The alphabetic abbreviation of the academic department
      or discipline offering the course. It is one part of the total course identifier
      number.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseNumber" type="core:CourseNumberType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The official reference number portion of a course
      identifier. This number frequently designates the level of the course as well as
      the level of the student expected to enroll in the course</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseSectionNumber" type="core:CourseSectionNumberType"
  minOccurs="0">
    <xs:annotation>
      <xs:documentation>The number assigned to differentiate among distinct
      occurrences of courses that have the same course abbreviation and number but may
      be considered to be different . For example, it could be used to identify the
      instructor.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="OriginalCourseID" type="core:OriginalCourseIDType"
  minOccurs="0">
    <xs:annotation>
      <xs:documentation>The course ID as it was listed when the credit was
      earned (e.g. before a system conversion) to show consistency between present
      transcripts and older ones. </xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="AgencyCourseID" type="core:AgencyCourseIDType"
  minOccurs="0">
    <xs:annotation>
      <xs:documentation>The course ID that might have been assigned to this
      course by the state or other agency</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseTitle" type="core:CourseTitleType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The name or title of the course taken by a student at
      an academic institution.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseDescription" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Course Description</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="core:CourseDescriptionType">

```

```

        <xs:maxLength value="255"/>
        <xs:minLength value="1"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="CourseAddDate" type="core:CourseAddDateType"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>The date a student was added to an academic course at
a school.</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="CourseDropDate" type="core:CourseDropDateType"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>The date on which the student drops or withdraws from
the course.</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="CourseOverrideSchool" type="AcRec:SchoolType"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>The school where the credit was earned if different
from the Academic Session School</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="OverrideSchoolCourseNumber"
type="core:OverrideSchoolCourseNumberType" minOccurs="0">
    <xs:annotation>
        <xs:documentation>The course ID as it was listed at the school where the
credit was earned</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="CourseApplicability" type="core:CourseApplicabilityType"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>The academic program to which this academic course
applies toward graduation.</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="CourseBeginDate" type="core:CourseBeginDateType"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>The official begin date for this
course</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="CourseEndDate" type="core:CourseEndDateType"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>The official end date for this
course</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="CourseInstructionSite"
type="core:CourseInstructionSiteType" minOccurs="0">
    <xs:annotation>

```

```

    <xs:documentation>An indication of the type of location at which the
course is taught.</xs:documentation>
  </xs:annotation>
</xs:element>
  <xs:element name="CourseInstructionSiteName"
type="core:CourseInstructionSiteNameType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The name of the location at which the course is
taught.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="Requirement" type="core:RAPType" minOccurs="0"
maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>Curriculum requirements satisfied by successful
completion of this course</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="Attribute" type="core:RAPType" minOccurs="0"
maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>Attributes of this course which may require special
handling by the receiving institution</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="Proficiency" type="core:RAPType" minOccurs="0"
maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>Proficiency level signified by successful completion
of this course</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="Licensure" type="core:LicensureType" minOccurs="0"
maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>Licensure requirements satisfied by successful
completion of this course</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="LanguageOfInstruction"
type="core:LanguageOfInstructionType" minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>Language associated with one or more aspects of the
course</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseInstructionMethod"
type="core:CourseInstructionMethodType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The method of instruction used for the
course</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="CourseInstructor" type="core:CourseInstructorType"
minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>Course instructor title and name</xs:documentation>

```

	<pre> &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="LearningTopic" type="core:LearningTopicType" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Topics to be taught in a course, learning experience or training&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="LearningOutcome" type="core:LearningOutcomeType" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Learning outcomes from the course taken and learning experience&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Additional information about the course&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="UserDefinedExtensions" type="core:UserDefinedExtensionsType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Additional structured information. Requires mutually defined XML schema.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>
--	--

### CourseInstructorType

diagram	
children	<a href="#">PositionTitle</a> <a href="#">Name</a>
used by	element <a href="#">CourseType/CourseInstructor</a>
annotation	documentation  The detailed information about the course instructor
source	<pre> &lt;xs:complexType name="CourseInstructorType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The detailed information about the course instructor&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:sequence&gt; </pre>

	<pre> &lt;xs:element name="PositionTitle" type="core:PositionTitleType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Title of this employment position&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="Name" type="core:NameType" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The name of record of the student at the sending institution&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;         </pre>
--	--

### LearningOutcomeType

diagram	<p>The diagram shows a class <b>LearningOutcomeType</b> with the description "Program learning outcome and the outcome evaluations and alternative outcome mapping". It is associated with <b>LearningOutcomeDescription</b> (1 to 1), <b>LearningOutcomeQualificationAssessment</b> (1 to 0..∞), and <b>AlternateOutcomeFramework</b> (1 to 0..∞). Each associated class has its own description: LearningOutcomeDescription is "Program learning outcome and the outcome evaluations and alternative outcome mapping The narrative of course learning outcomes.", LearningOutcomeQualificationAssessment is "Information about the assessment used to evaluate a learning experience Learning Outcome Assessment", and AlternateOutcomeFramework is "A container to hold the alternative framework taxonomies that map to the learning outcome Alternative framework associated with learning in outcome".</p>
children	<a href="#">LearningOutcomeDescription</a> <a href="#">LearningOutcomeQualificationAssessment</a> <a href="#">AlternateOutcomeFramework</a>
used by	elements <a href="#">CourseType/LearningOutcome</a> <a href="#">LearningProgramType/LearningOutcome</a>
annotation	documentation Program learning outcome and the outcome evaluations and alternative outcome mapping
source	<pre> &lt;xs:complexType name="LearningOutcomeType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Program learning outcome and the outcome evaluations and alternative outcome mapping&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="LearningOutcomeDescription" type="core:LearningOutcomeDescriptionType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Program learning outcome and the outcome evaluations and alternative outcome mapping The narrative of course learning outcomes.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LearningOutcomeQualificationAssessment" type="core:LearningOutcomeQualificationAssessmentType" minOccurs="0" maxOccurs="unbounded"&gt;         </pre>

	<pre> &lt;xs:annotation&gt;   &lt;xs:documentation&gt;Information aabout the assessent used to evaluate a learning experience Learning Outcome Assessment&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="AlternateOutcomeFramework" type="core:AlternateOutcomeFrameworkType" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A container to hold the alternative framework taxonomies that map to the learning outcome Alternative framework associated with learning in outcome &lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>
--	--

### LearningOutcomeQualificationAssessmentType

diagram	<pre> classDiagram     class LearningOutcomeQualificationAssessmentType {         &lt;&lt;Assessment of learning proficiency&gt;&gt;     }     class LearningOutcomeSkillCode {         &lt;&lt;Learning Outcome Skill based on DQP intellectual skills&gt;&gt;     }     class LearningOutcomeProficiencyCode {         &lt;&lt;Assessment of learning proficiency&gt;&gt;     }     LearningOutcomeQualificationAssessmentType "1" -- "*" LearningOutcomeSkillCode     LearningOutcomeQualificationAssessmentType "1" -- "*" LearningOutcomeProficiencyCode </pre>
children	<a href="#">LearningOutcomeSkillCode</a> <a href="#">LearningOutcomeProficiencyCode</a>
used by	element <a href="#">LearningOutcomeType/LearningOutcomeQualificationAssessment</a>
annotation	documentation Assessment of learning proficiency
source	<pre> &lt;xs:complexType name="LearningOutcomeQualificationAssessmentType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Assessment of learning proficiency&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="LearningOutcomeSkillCode" type="core:LearningOutcomeSkillCodeType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Learning Outcome Skill based on DQP intellectual skills Learning Outcome Skill based on DQP intellectual skills&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LearningOutcomeProficiencyCode" type="core:LearningOutcomeProficiencyCodeType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Assessment of learning proficiency Assessment of learning proficiency&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>

### AlternateOutcomeFrameworkType

<p>diagram</p>	
<p>children</p>	<p><a href="#">FrameworkSourceReference</a> <a href="#">FrameworkOutcome</a></p>
<p>used by</p>	<p>element <a href="#">LearningOutcomeType/AlternateOutcomeFramework</a></p>
<p>annotation</p>	<p>documentation A container to hold the alternative framework taxonomies that map to the learning outcome</p>
<p>source</p>	<pre>&lt;xs:complexType name="AlternateOutcomeFrameworkType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A container to hold the alternative framework taxonomies that map to the learning outcome&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="FrameworkSourceReference" type="core:URLType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;URL of the alternative framework that has the outcome taxonomies URI of alternative framework&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="FrameworkOutcome" type="core:FrameworkOutcomeType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;information about the outcome of a learning activity Alternative framework skill taxonomy&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>

### FrameworkOutcomeType

<p>diagram</p>	
<p>children</p>	<p><a href="#">FrameworkOutcomeId</a> <a href="#">FrameworkOutcomeValue</a></p>



used by	element <a href="#">AlternateOutcomeFrameworkType/FrameworkOutcome</a>
annotation	documentation information about the outcome of a learning activity
source	<pre> &lt;xs:complexType name="FrameworkOutcomeType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;information about the outcome of a learning activity&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="FrameworkOutcomeId" type="core:FrameworkOutcomeIdType" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Identifier for outcome Alternative outcome id &lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="FrameworkOutcomeValue" type="core:LearningOutcomeDescriptionType" minOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;A container to hold the alternative framework taxonomies that map to the learning outcome Definition of alternative outcome taxonomy&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>

### LearningExperienceType

<p>diagram</p>	<p><b>LearningExperienceType</b> A type describing information about a learning experience</p> <p><b>SponsorOrganization</b> The department or organization that sponsors the extra- and co-curricular experience learning program or courses.</p> <p><b>Mentor</b> 0..∞ The information of a person who coaches a learner during a service or an extra- and co-curricular experience learning program.</p> <p><b>PlacementLocation</b> The location where a learner studies or provides the services for the extra- and co-curricular experience learning program or courses.</p> <p><b>LearningReflection</b> A learner's essay or statement about the extra- and co-curricular learning course taken or about the services experience.</p> <p><b>NoteMessage</b> 0..∞ Additional information about a learning experience</p> <p><b>UserDefinedExtensions</b> 0..∞ Additional structured information. Requires mutually defined XML schema. Additional structured information. Requires mutually defined XML schema.</p>
<p>children</p>	<p><a href="#">SponsorOrganization</a> <a href="#">Mentor</a> <a href="#">PlacementLocation</a> <a href="#">LearningReflection</a> <a href="#">NoteMessage</a> <a href="#">UserDefinedExtensions</a></p>
<p>used by</p>	<p>element <a href="#">AcademicSessionType/LearningExperience</a></p>
<p>annotation</p>	<p>documentation A type describing information about a learning experience</p>
<p>source</p>	<pre>&lt;xs:complexType name="LearningExperienceType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A type describing information about a learning experience&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="SponsorOrganization" type="xs:string" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The department or organization that sponsors the extra- and co-curricular experience learning program or courses.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>

```

</xs:element>
<xs:element name="Mentor" type="core:EndorseType" minOccurs="0"
maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>The information of a person who coaches a learner
during a service or an extra- and co-curricular experience learning
program.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="PlacementLocation" type="xs:string" minOccurs="0">
  <xs:annotation>
    <xs:documentation>The location where a learner studies or provides the
services for the extra- and co-curricular experience learning program or
courses.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="LearningReflection" type="xs:string" minOccurs="0">
  <xs:annotation>
    <xs:documentation>A learner's essay or statement about the extra- and
co-curricular learning course taken or about the services
experience.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0"
maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Additional information about a learning
experience</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="UserDefinedExtensions"
type="core:UserDefinedExtensionsType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Additional structured information. Requires mutually
defined XML schema. Additional structured information. Requires mutually
defined XML schema.</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

**LearningTopicType**

type	restriction of <b>xs:string</b>									
properties	base <b>xs:string</b>									
used by	element <a href="#">CourseType/LearningTopic</a>									
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>300</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	300	
Kind	Value	Annotation								
minLength	1									
maxLength	300									
annotation	documentation									

	Topics to be taught for a course, learning experience or training
source	<pre> &lt;xs:simpleType name="LearningTopicType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Topics to be taught for a course, learning experience or training&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:minLength value="1"/&gt;     &lt;xs:maxLength value="300"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>

### LearningOutcomeType/LearningOutcomeDescription

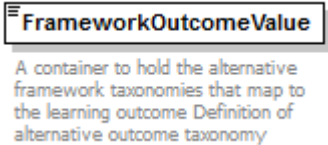
type	restriction of <b>xs:string</b>									
properties	base <b>xs:string</b>									
used by	elements <a href="#">FrameworkOutcomeType/FrameworkOutcomeValue</a> <a href="#">LearningOutcomeType/LearningOutcomeDescription</a>									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>300</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	300	
Kind	Value	Annotation								
minLength	1									
maxLength	300									
annotation	documentation Text describing the outcome of a learning experience									
source	<pre> &lt;xs:simpleType name="LearningOutcomeDescriptionType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Text describing the outcome of a learning experience&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:minLength value="1"/&gt;     &lt;xs:maxLength value="300"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>									

### FrameworkOutcomeType/FrameworkOutcomeld

type	restriction of <b>xs:string</b>									
properties	base <b>xs:string</b>									
used by	element <a href="#">FrameworkOutcomeType/FrameworkOutcomeld</a>									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>40</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	40	
Kind	Value	Annotation								
minLength	1									
maxLength	40									
annotation	documentation									

	Program and course information for Learning Records
source	<pre>&lt;xs:simpleType name="FrameworkOutcomeIdType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Program and course information for Learning     Records&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:minLength value="1"/&gt;     &lt;xs:maxLength value="40"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>

### FrameworkOutcomeType/FrameworkOutcomeValue

diagram										
type	<a href="#">core:LearningOutcomeDescriptionType</a>									
properties	content simple									
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>300</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	300	
Kind	Value	Annotation								
minLength	1									
maxLength	300									
annotation	<p>documentation</p> <p>A container to hold the alternative framework taxonomies that map to the learning outcome Definition of alternative outcome taxonomy</p>									
source	<pre>&lt;xs:element name="FrameworkOutcomeValue" type="core:LearningOutcomeDescriptionType" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A container to hold the alternative framework taxonomies     that map to the learning outcome Definition of alternative outcome     taxonomy&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>									

### LearningOutcomeQualificationAssessmentType/LearningOutcomeSkillCode

type	restriction of <b>xs:string</b>									
properties	base <b>xs:string</b>									
used by	element <a href="#">LearningOutcomeQualificationAssessmentType/LearningOutcomeSkillCode</a>									
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>enumeration</td> <td>AnalyticInquiry</td> <td>documentation</td> </tr> <tr> <td></td> <td></td> <td>Analytic Inquiry</td> </tr> </table>	Kind	Value	Annotation	enumeration	AnalyticInquiry	documentation			Analytic Inquiry
Kind	Value	Annotation								
enumeration	AnalyticInquiry	documentation								
		Analytic Inquiry								

	<p>enumeration UseInformationResources documentation Use Information Resources</p> <p>enumeration EngagingDiversePerspective documentation Engaging Diverse Perspective</p> <p>enumeration EthicalReasoning documentation Ethical Reasoning</p> <p>enumeration QuantitativeFluency documentation Quantitative Fluency</p> <p>enumeration CommunicativeFluency documentation Communicative Fluency</p> <p>enumeration ProgramSpecificIntellectualPracticalSkills documentation Program Specific Intellectual Practical Skills</p>
<p>annotation</p>	<p>documentation Learning Outcome Skill based on DQP intellectual skills</p>
<p>source</p>	<pre> &lt;xs:simpleType name="LearningOutcomeSkillCodeType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Learning Outcome Skill based on DQP intellectual skills&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="AnalyticInquiry"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Analytic Inquiry &lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="UseInformationResources"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Use Information Resources &lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="EngagingDiversePerspective"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Engaging Diverse Perspective &lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="EthicalReasoning"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Ethical Reasoning &lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="QuantitativeFluency"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Quantitative Fluency &lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;                     </pre>

```

<xs:enumeration value="CommunicativeFluency">
  <xs:annotation>
    <xs:documentation>Communicative Fluency </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="ProgramSpecificIntellectualPracticalSkills">
  <xs:annotation>
    <xs:documentation>Program Specific Intellectual Practical Skills
</xs:documentation>
  </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
    
```

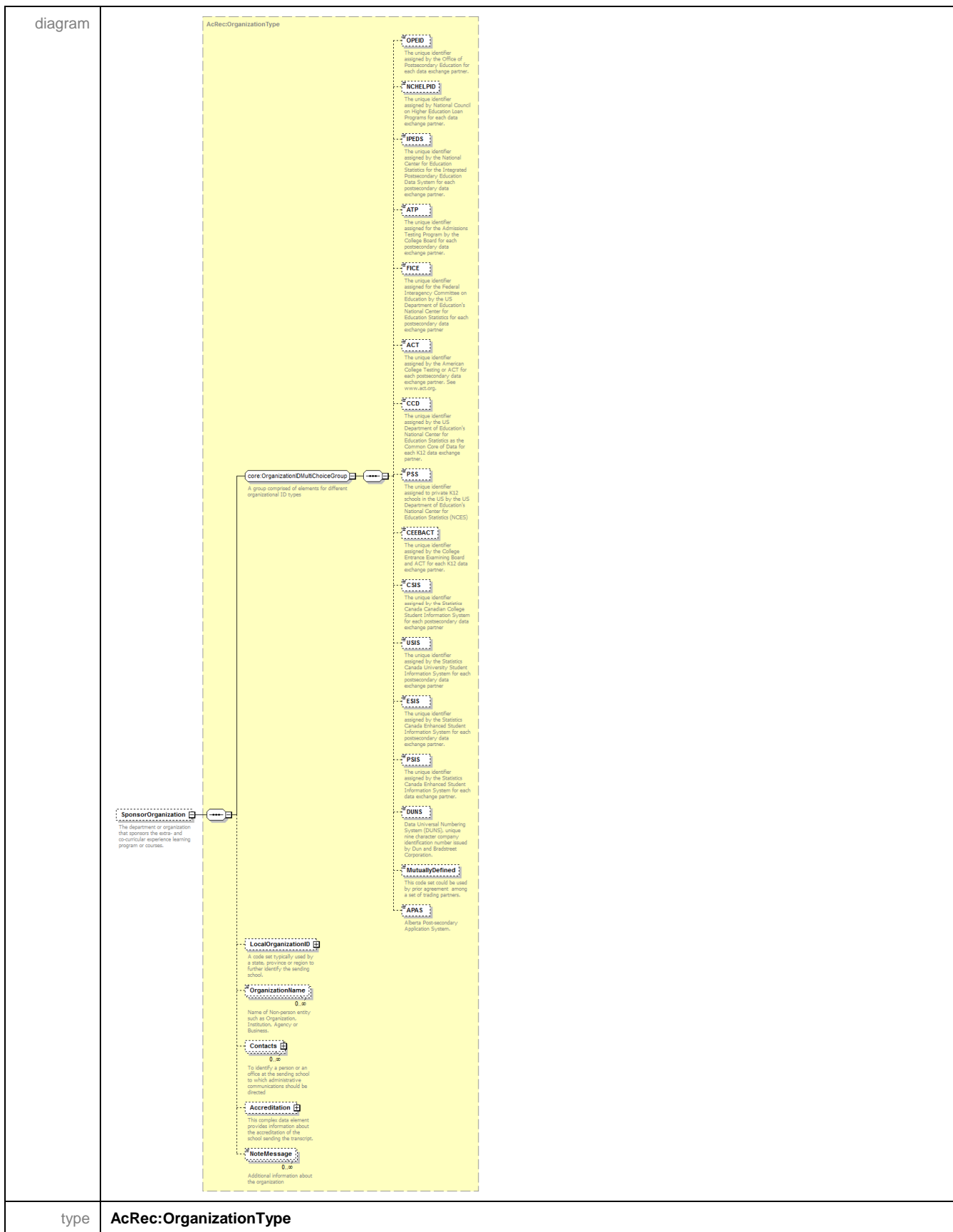
**LearningOutcomeQualificationAssessmentType/LearningOutcomeProficiencyCode**

type	restriction of <b>xs:string</b>																		
properties	base <b>xs:string</b>																		
used by	element <a href="#">LearningOutcomeQualificationAssessmentType/LearningOutcomeProficiencyCode</a>																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Novice</td> <td>documentation Novice</td> </tr> <tr> <td>enumeration</td> <td>Intermediate</td> <td>documentation Intermediate</td> </tr> <tr> <td>enumeration</td> <td>Proficient</td> <td>documentation Proficient</td> </tr> <tr> <td>enumeration</td> <td>Distinguished</td> <td>documentation Distinguished</td> </tr> <tr> <td>enumeration</td> <td>Master</td> <td>documentation Master</td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	Novice	documentation Novice	enumeration	Intermediate	documentation Intermediate	enumeration	Proficient	documentation Proficient	enumeration	Distinguished	documentation Distinguished	enumeration	Master	documentation Master
Kind	Value	Annotation																	
enumeration	Novice	documentation Novice																	
enumeration	Intermediate	documentation Intermediate																	
enumeration	Proficient	documentation Proficient																	
enumeration	Distinguished	documentation Distinguished																	
enumeration	Master	documentation Master																	
annotation	documentation Assessment of learning proficiency																		
source	<pre> &lt;xs:simpleType name="LearningOutcomeProficiencyCodeType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Assessment of learning proficiency&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="Novice"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Novice &lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="Intermediate"&gt;       &lt;xs:annotation&gt;     </pre>																		

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### LearningExperienceType/SponsorOrganization



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children	<b>OPEID NCHELPID IPEDS ATP FICE ACT CCD PSS CEEBACT CSIS USIS ESIS PSIS DUNS MutuallyDefined APAS LocalOrganizationID OrganizationName Contacts Accreditation NoteMessage</b>
annotation	documentation The department or organization that sponsors the extra- and co-curricular experience learning program or courses.
source	<pre> &lt;xs:element name="SponsorOrganization" type="AcRec:OrganizationType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The department or organization that sponsors the extra- and co-curricular experience learning program or courses.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;                 </pre>

AcRec:OrganizationType

<p>diagram</p>	<p><b>OPEID</b> The unique identifier assigned by the Office of Postsecondary Education for each data exchange partner.</p> <p><b>NCHELPID</b> The unique identifier assigned by National Council on Higher Education Loan Programs for each data exchange partner.</p> <p><b>IPEDS</b> The unique identifier assigned by the National Center for Education Statistics for the Integrated Postsecondary Education Data System for each postsecondary data exchange partner.</p> <p><b>ATP</b> The unique identifier assigned for the Admissions Testing Program by the College Board for each postsecondary data exchange partner.</p> <p><b>FICE</b> The unique identifier assigned for the Federal Interagency Committee on Education by the US Department of Education's National Center for Education Statistics for each postsecondary data exchange partner.</p> <p><b>ACT</b> The unique identifier assigned by the American College Testing or ACT for each postsecondary data exchange partner. See www.act.org.</p> <p><b>CCD</b> The unique identifier assigned by the US Department of Education's National Center for Education Statistics as the Common Core of Data for each K12 data exchange partner.</p> <p><b>PSS</b> The unique identifier assigned to private K12 schools in the US by the US Department of Education's National Center for Education Statistics (NCES).</p> <p><b>CEEBACT</b> The unique identifier assigned by the College Entrance Examining Board and ACT for each K12 data exchange partner.</p> <p><b>CSIS</b> The unique identifier assigned by the Statistics Canada Canadian College Student Information System for each postsecondary data exchange partner.</p> <p><b>USIS</b> The unique identifier assigned by the Statistics Canada University Student Information System for each postsecondary data exchange partner.</p> <p><b>ESIS</b> The unique identifier assigned by the Statistics Canada Enhanced Student Information System for each postsecondary data exchange partner.</p> <p><b>PSIS</b> The unique identifier assigned by the Statistics Canada Enhanced Student Information System for each data exchange partner.</p> <p><b>DUNS</b> Data Universal Numbering System (DUNS), unique nine character company identification number issued by Dun and Bradstreet Corporation.</p> <p><b>MutuallyDefined</b> This code set could be used by prior agreement among a set of trading partners.</p> <p><b>APAS</b> Alberta Postsecondary Application System.</p> <p><b>LocalOrganizationID</b> A code set typically used by a state, province or region to further identify the sending school.</p> <p><b>OrganizationName</b> Name of Non-person entity such as Organization, Institution, Agency or Business.</p> <p><b>Contacts</b> To identify a person or an office at the sending school to which administrative communications should be directed.</p> <p><b>Accreditation</b> This complex data element provides information about the accreditation of the school sending the transcript.</p> <p><b>NoteMessage</b> Additional information about the organization.</p>
<p>children</p>	<p><b>OPEID NCHELPID IPEDS ATP FICE ACT CCD PSS CEEBACT CSIS USIS ESIS PSIS DUNS MutuallyDefined APAS LocalOrganizationID OrganizationName Contacts Accreditation NoteMessage</b></p>

used by	elements <b>AcademicLearningType/Department EmploymentType/Employer SourceDestinationType/Organization LearningExperienceType/SponsorOrganization</b>
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source	<pre> &lt;xs:complexType name="OrganizationType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Non-person entity such as Organization, Institution, Agency or Business.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:group ref="core:OrganizationIDMultiChoiceGroup"/&gt;     &lt;xs:element name="LocalOrganizationID" type="core:LocalOrganizationIDType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;A code set typically used by a state, province or region to further identify the sending school.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="OrganizationName" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Name of Non-person entity such as Organization, Institution, Agency or Business.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="core:OrganizationNameType"&gt;           &lt;xs:maxLength value="60"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Contacts" type="AcRec:ContactsType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;To identify a person or an office at the sending school to which administrative communications should be directed&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Accreditation" type="core:AccreditationType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;This complex data element provides information about the accreditation of the school sending the transcript.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Additional information about the organization&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>

### LearningExperienceType/Mentor

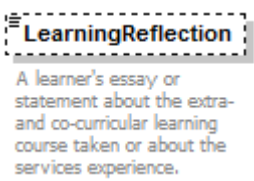
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<p>children</p>	<p><a href="#">Department</a> <a href="#">PositionTitle</a> <a href="#">Name</a></p>
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### LearningExperienceType/PlacementLocation

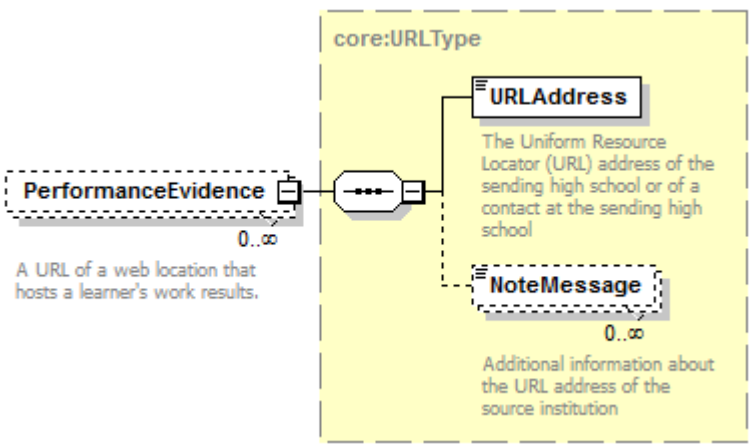
<p>diagram</p>	
<p>type</p>	<p><b>xs:string</b></p>
<p>properties</p>	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content simple</p>

<p>annotation</p>	<p>documentation</p> <p>The location where a learner studies or provides the services for the extra- and co-curricular experience learning program or courses.</p>
<p>source</p>	<pre>&lt;xs:element name="PlacementLocation" type="xs:string" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The location where a learner studies or provides the     services for the extra- and co-curricular experience learning program or     courses.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

**LearningExperienceType/LearningReflection**

<p>diagram</p>	
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<p>properties</p>	<p>minOcc 0</p> <p>maxOcc 1</p> <p>content simple</p>
<p>annotation</p>	<p>documentation</p> <p>A learner's essay or statement about the extra- and co-curricular learning course taken or about the services experience.</p>
<p>source</p>	<pre>&lt;xs:element name="LearningReflection" type="xs:string" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A learner's essay or statement about the extra- and co-     curricular learning course taken or about the services     experience.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

**AcademicLearningType/PerformanceEvidence**

<p>diagram</p>	
----------------	--

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### AcademicAwardType/AcademicAwardLevel

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properties	base <b>xs:string</b>																											
used by	element <a href="#">AcademicAwardType/AcademicAwardLevel</a>																											
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B17</td> <td>documentation Did not complete secondary school</td> </tr> <tr> <td>enumeration</td> <td>B18</td> <td>documentation Standard High School Diploma which may or may not include an exit test</td> </tr> <tr> <td>enumeration</td> <td>B19</td> <td>documentation Advanced or honors diploma</td> </tr> <tr> <td>enumeration</td> <td>B20</td> <td>documentation Vocational diploma</td> </tr> <tr> <td>enumeration</td> <td>B21</td> <td>documentation Special Education Diploma normally for students with a disabilit</td> </tr> <tr> <td>enumeration</td> <td>B22</td> <td>documentation Certificate of completion or attendance</td> </tr> <tr> <td>enumeration</td> <td>B23</td> <td>documentation Special certificate of completion or attendance</td> </tr> <tr> <td>enumeration</td> <td>B24</td> <td>documentation</td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	B17	documentation Did not complete secondary school	enumeration	B18	documentation Standard High School Diploma which may or may not include an exit test	enumeration	B19	documentation Advanced or honors diploma	enumeration	B20	documentation Vocational diploma	enumeration	B21	documentation Special Education Diploma normally for students with a disabilit	enumeration	B22	documentation Certificate of completion or attendance	enumeration	B23	documentation Special certificate of completion or attendance	enumeration	B24	documentation
Kind	Value	Annotation																										
enumeration	B17	documentation Did not complete secondary school																										
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enumeration	B20	documentation Vocational diploma																										
enumeration	B21	documentation Special Education Diploma normally for students with a disabilit																										
enumeration	B22	documentation Certificate of completion or attendance																										
enumeration	B23	documentation Special certificate of completion or attendance																										
enumeration	B24	documentation																										

		General Education Development Test Diploma (GED)
enumeration	B25	documentation
		Other high school equivalency diploma
enumeration	B26	documentation
		International diploma or certificate (such as International Baccalaureate)
enumeration	B27	documentation
		Standard High School Diploma with only 3 year curriculum
enumeration	B28	documentation
		Met all graduation requirements except for required exit test
enumeration	B58	documentation
		B58
enumeration	B59	documentation
		B59
enumeration	B60	documentation
		B60
enumeration	0.0	documentation
		"Other" - value to represent an award that does not otherwise fit existing enumerations
enumeration	1.1	documentation
		Certificate of completion,
enumeration	1.2	documentation
		Certificate of proficiency
enumeration	1.3	documentation
		Statement of participation
enumeration	1.4	documentation
		Statement of completion
enumeration	1.5	documentation
		Statement of achievement
enumeration	2.0	documentation
		Certificate
enumeration	2.1	documentation
		Postsecondary Certificate Or Diploma (less than one year)



enumeration	2.2	documentation	Postsecondary Certificate Or Diploma (one year or more but less than four years)
enumeration	2.3	documentation	Associate Degree (e.g., Associate In Arts, Associate In Science)
enumeration	2.4	documentation	Baccalaureate Degree
enumeration	2.5	documentation	Baccalaureate (Honors) Degree
enumeration	2.6	documentation	Postsecondary Certificate Or Diploma (one year or more but less than two years)
enumeration	2.7	documentation	Postsecondary Certificate Or Diploma (two years or more but less than four years)
enumeration	2.8	documentation	"Undergraduate non-degree" - value to represent an award from undergraduate coursework that is not a certificate or degree
enumeration	3.1	documentation	First Professional Degree
enumeration	3.2	documentation	Post-Professional Degree
enumeration	3.3	documentation	"Graduate Professional" - value to represent an award from graduate coursework in a professional program
enumeration	4.0	documentation	"Graduate non-degree" - value to represent an award from graduate coursework that is not a certificate or degree
enumeration	4.1	documentation	Graduate Certificate
enumeration	4.2	documentation	Master's Degree
enumeration	4.3	documentation	Intermediate Graduate Degree
enumeration	4.4	documentation	

		Doctoral Degree
enumeration	4.5	documentation
		Post-doctoral Award
enumeration	FrenchBaccalaureate	documentation
		French Baccalaureate
enumeration	CEGEP	documentation
		CEGEP
enumeration	1	documentation
		Postsecondary award, certificate or diploma of less than one academic year (less than 900 contact or clock hours)
enumeration	2	documentation
		Certificate
enumeration	3	documentation
		Associate's Degree
enumeration	4	documentation
		Postsecondary award, certificate, or diploma of at least two but less than four academic years (at least 1800 contact or clock hours)
enumeration	5	documentation
		Bachelor's Degree or equivalent
enumeration	6	documentation
		Postbaccalaureate Certificate
enumeration	7	documentation
		Master's Degree
enumeration	8	documentation
		Post Masters Certificate
enumeration	9	documentation
		Doctor's Degree
enumeration	10	documentation
		First-Professional Degree
enumeration	11	documentation
		First-Professional Certificate (Post-Degree)
enumeration	17	documentation
		Doctor's degree - research/scholarship

	<p>enumeration 18 documentation Doctor's degree - professional practice</p> <p>enumeration 19 documentation Doctor's degree - otherAward Levels.</p>
<p>annotation</p>	<p>documentation</p> <p>The level of the degree, certificate, or award granted for the successful completion of requirements of an academic program.B17 Did not complete secondary schoolB18 Standard High School Diploma which may or may not include an exit testB19 Advanced or honors diplomaB20 Vocational diplomaB21 Special Education Diploma normally for students with a disabilityB22 Certificate of completion or attendanceB23 Special certificate of completion or attendanceB24 General Education Development (GED) DiplomaB25 Other high school equivalency diplomaB26 International diploma or certificate such as International Baccalaureate B27 Standard High School Diploma with only 3 year curriculumB28 Met all graduation requirements except for required exit testFrenchBaccalaureate is an award made to high school students who complete a rigorous program of student including foreign languages. It allows French and international students to obtain a standardized qualification, typically at the age of 18. This then qualifies holders to work in certain areas, or go on to tertiary education or acquire some other professional qualification or training.CEGEP is an award made by Canadian secondary schools that is typically equivalent to a high school diploma plus one year of college level courses</p>
<p>source</p>	<pre>&lt;xs:simpleType name="AcademicAwardLevelType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The level of the degree, certificate, or award granted for the successful completion of requirements of an academic program.B17 Did not complete secondary schoolB18 Standard High School Diploma which may or may not include an exit testB19 Advanced or honors diplomaB20 Vocational diplomaB21 Special Education Diploma normally for students with a disabilityB22 Certificate of completion or attendanceB23 Special certificate of completion or attendanceB24 General Education Development (GED) DiplomaB25 Other high school equivalency diplomaB26 International diploma or certificate such as International Baccalaureate B27 Standard High School Diploma with only 3 year curriculumB28 Met all graduation requirements except for required exit testFrenchBaccalaureate is an award made to high school students who complete a rigorous program of student including foreign languages. It allows French and international students to obtain a standardized qualification, typically at the age of 18. This then qualifies holders to work in certain areas, or go on to tertiary education or acquire some other professional qualification or training.CEGEP is an award made by Canadian secondary schools that is typically equivalent to a high school diploma plus one year of college level courses&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="B17"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Did not complete secondary school&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="B18"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Standard High School Diploma which may or may not include an exit test&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="B19"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Advanced or honors diploma&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>

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</xs:enumeration>
<xs:enumeration value="4.2">
  <xs:annotation>
    <xs:documentation>Master's Degree</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4.3">
  <xs:annotation>
    <xs:documentation>Intermediate Graduate Degree</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4.4">
  <xs:annotation>
    <xs:documentation>Doctoral Degree</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4.5">
  <xs:annotation>
    <xs:documentation>Post-doctoral Award</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
    <xs:documentation>French Baccalaureate</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="CEGEP">
  <xs:annotation>
    <xs:documentation>CEGEP</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="1">
  <xs:annotation>
    <xs:documentation>Postsecondary award, certificate or diploma of less
than one academic year (less than 900 contact or clock hours)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="2">
  <xs:annotation>
    <xs:documentation>Certificate</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="3">
  <xs:annotation>
    <xs:documentation>Associate's Degree</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4">
  <xs:annotation>
    <xs:documentation>Postsecondary award, certificate, or diploma of at
least two but less than four academic years (at least 1800 contact or clock

```

```

hours)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="5">
  <xs:annotation>
    <xs:documentation>Bachelor's Degree or equivalent</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="6">
  <xs:annotation>
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  </xs:annotation>
</xs:enumeration>
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  </xs:annotation>
</xs:enumeration>
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  </xs:annotation>
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  </xs:annotation>
</xs:enumeration>
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  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
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Degree)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
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research/scholarship</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="18">
  <xs:annotation>
    <xs:documentation>Doctor's degree - professional
practice</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="19">
  <xs:annotation>
    <xs:documentation>Doctor's degree - otherAward
Levels.</xs:documentation>
  </xs:annotation>
</xs:enumeration>

```



	<pre>&lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>
--	---

### URLType

diagram	
children	<a href="#">URLAddress</a> <a href="#">NoteMessage</a>
used by	elements <a href="#">AlternateOutcomeFrameworkType/FrameworkSourceReference</a> <a href="#">AcademicLearningType/PerformanceEvidence</a> <a href="#">ContactsType/URL</a> <a href="#">ContactsType/URL</a>
annotation	documentation The Uniform Resource Locator of source institution
source	<pre>&lt;xs:complexType name="URLType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The Uniform Resource Locator of source institution&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="URLAddress" type="core:URLAddressType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The Uniform Resource Locator (URL) address of the sending high school or of a contact at the sending high school&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Additional information about the URL address of the source institution&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>

**DocumentProductionType/DocumentTypeCodeType**

type	restriction of <b>xs:string</b>		
properties	base <b>xs:string</b>		
used by	elements	<a href="#">TransmissionDataType/DocumentType</a> <a href="#">FFELDocumentResponseType/DocumentTypeCode</a> <a href="#">CommonRecordResponseType/DocumentTypeCode</a> <a href="#">TransmissionDataType/DocumentTypeCode</a> <a href="#">DocumentProductionType/DocumentTypeCode</a>	
facets	Kind	Value	Annotation
	enumeration	Acknowledgment	documentation Acknowledgment
	enumeration	Application	documentation Application
	enumeration	Cancel	documentation Cancel
	enumeration	Certificate	documentation Certificate
	enumeration	CertificationRequest	documentation Certification Request
	enumeration	Change	documentation Change
	enumeration	Credential	documentation Credential
	enumeration	Diploma	documentation Diploma
	enumeration	DisbursementAcknowledgement	documentation Disbursement Acknowledgement
	enumeration	DisbursementForecast	documentation Disbursement Forecast
	enumeration	DisbursementRoster	documentation Disbursement Roster
	enumeration	InstitutionRequest	documentation Institution Request
	enumeration	GainfulEmploymentStudentResponseFile	documentation Gainful Employment Student Response File

	<p>enumeration GainfulEmploymentStudentSubmittal documentation Gainful Employment Student Submittal</p> <p>enumeration IPEDS documentation Integrated PostSecondary Education Data System</p> <p>enumeration NSLDSEnrollmentError documentation National Student Loan Data System Enrollment Error</p> <p>enumeration NSLDSEnrollmentSubmittal documentation National Student Loan Data System Enrollment Submittal</p> <p>enumeration Receipt documentation Receipt</p> <p>enumeration Request documentation Request</p> <p>enumeration RequestedRecord documentation Requested Record</p> <p>enumeration Response documentation Response</p> <p>enumeration ReverseTransfer documentation Reverse Transfer</p> <p>enumeration StudentRequest documentation Student Request</p> <p>enumeration TermEnroll documentation Term Enroll</p> <p>enumeration TermGrade documentation Term Grade</p> <p>enumeration ThirdPartyRequest documentation Third Party Request</p>
annotation	<p>documentation Type and purpose of document being transmitted</p>
source	<pre>&lt;xs:simpleType name="DocumentTypeCodeType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Type and purpose of document being transmitted&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;</pre>

```

<xs:enumeration value="Acknowledgment">
  <xs:annotation>
    <xs:documentation>Acknowledgment</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Application">
  <xs:annotation>
    <xs:documentation>Application</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
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  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
    <xs:documentation>Certificate </xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
    <xs:documentation>Change</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
    <xs:documentation>Credential </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Diploma">
  <xs:annotation>
    <xs:documentation>Diploma </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="DisbursementAcknowledgement">
  <xs:annotation>
    <xs:documentation>Disbursement Acknowledgement</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="DisbursementForecast">
  <xs:annotation>
    <xs:documentation>Disbursement Forecast</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="DisbursementRoster">
  <xs:annotation>
    <xs:documentation>Disbursement Roster</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="InstitutionRequest">
  <xs:annotation>

```

```

    <xs:documentation>Institution Request</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="GainfulEmploymentStudentResponseFile">
  <xs:annotation>
    <xs:documentation>Gainful Employment Student Response
File</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="GainfulEmploymentStudentSubmittal">
  <xs:annotation>
    <xs:documentation>Gainful Employment Student
Submittal</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="IPEDS">
  <xs:annotation>
    <xs:documentation>Integrated PostSecondary Education Data
System</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="NSLDSEnrollmentError">
  <xs:annotation>
    <xs:documentation>National Student Loan Data System Enrollment
Error</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="NSLDSEnrollmentSubmittal">
  <xs:annotation>
    <xs:documentation>National Student Loan Data System Enrollment
Submittal</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
    <xs:documentation>Receipt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Request">
  <xs:annotation>
    <xs:documentation>Request</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="RequestedRecord">
  <xs:annotation>
    <xs:documentation>Requested Record</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="Response">
  <xs:annotation>
    <xs:documentation>Response</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="ReverseTransfer">
  <xs:annotation>
    <xs:documentation>Reverse Transfer</xs:documentation>
  </xs:annotation>

```

```
</xs:enumeration>
<xs:enumeration value="StudentRequest">
  <xs:annotation>
    <xs:documentation>Student Request</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="TermEnroll">
  <xs:annotation>
    <xs:documentation>Term Enroll</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="TermGrade">
  <xs:annotation>
    <xs:documentation>Term Grade</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="ThirdPartyRequest">
  <xs:annotation>
    <xs:documentation>Third Party Request</xs:documentation>
  </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
```

### URLType

<p>diagram</p>	 <p>The diagram shows a box labeled 'URLType' with the text 'The Uniform Resource Locator of source institution' below it. A line connects it to a dashed box labeled 'NoteMessage' with the text 'Additional information about the URL address of the source institution' and '0..∞' below it. A solid line connects 'URLType' to a box labeled 'URLAddress' with the text 'The Uniform Resource Locator (URL) address of the sending high school or of a contact at the sending high school' below it.</p>
<p>children</p>	<p><a href="#">URLAddress</a> <a href="#">NoteMessage</a></p>
<p>used by</p>	<p>elements <a href="#">AlternateOutcomeFrameworkType/FrameworkSourceReference</a>  <a href="#">AcademicLearningType/PerformanceEvidence</a> <a href="#">ContactsType/URL</a> <a href="#">ContactsType/URL</a></p>
<p>annotation</p>	<p>documentation                  The Uniform Resource Locator of source institution</p>
<p>source</p>	<pre>&lt;xs:complexType name="URLType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The Uniform Resource Locator of source institution&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="URLAddress" type="core:URLAddressType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The Uniform Resource Locator (URL) address of the sending high school or of a contact at the sending high school&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="NoteMessage" type="core:NoteMessageType" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Additional information about the URL address of the source institution&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>

## Appendix A: Sample XML Document

```

<LearningRec:LearningRecord
xmlns:LearningRec="urn:org:pesc:message:LearningRecord:v1.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:org:pesc:message:LearningRecord:v1.0.0
LearningRecord_v1.0.0.xsd">
  <TransmissionData>
    <DocumentID>1e65ffb9-9576-3aae-9456-38b498abf95a</DocumentID>
    <CreatedDateTime>2016-10-04T18:59:06</CreatedDateTime>
    <DocumentTypeCode>Request</DocumentTypeCode>
    <TransmissionType>Original</TransmissionType>
    <Source>
      <Organization>
        <DUNS>009214214</DUNS>
        <OrganizationName>ABC University</OrganizationName>
      </Organization>
    </Source>
    <Destination>
      <Organization>
        <OPEID />
        <OrganizationName>Creative Company</OrganizationName>
      </Organization>
    </Destination>
    <DocumentProcessCode>PRODUCTION</DocumentProcessCode>
  </TransmissionData>
  <DocumentProduction>
    <ElectronicFormat>PDFWithEmbeddedData</ElectronicFormat>
    <DocumentTypeCode>Certificate</DocumentTypeCode>
    <Person>
      <Name>
        <FirstName>John</FirstName>
        <MiddleName>T</MiddleName>
        <LastName>Doe</LastName>
        <NameSuffix>II</NameSuffix>
      </Name>
    </Person>
    <AcademicAward>
      <AcademicAwardLevel>1.5</AcademicAwardLevel>
      <AcademicAwardDate>2016-06-12</AcademicAwardDate>
      <AcademicAwardTitle>Certificate of Achievement</AcademicAwardTitle>
      <AcademicSummary>
        <AcademicSummaryType>NonDegreeApplicable</AcademicSummaryType>
        <AcademicProgram>
          <AcademicProgramName>Corporate Innovation</AcademicProgramName>
        </AcademicProgram>
      </AcademicSummary>
      <NoteMessage>1.5 statement of achievement</NoteMessage>
    </AcademicAward>
    <AwardEndorse>
      <Department>Graduate School of Business</Department>
      <PositionTitle>Dean</PositionTitle>
      <Name>
        <FirstName>Jim</FirstName>

```



```

    <LastName>Smith</LastName>
  </Name>
</AwardEndorse>
<AwardEndorse>
  <PositionTitle>Faculty Director</PositionTitle>
  <Name>
    <FirstName>Joe</FirstName>
    <LastName>Huy</LastName>
  </Name>
</AwardEndorse>
</DocumentProduction>
<LearningRecordDetail>
  <Person>
    <Name>
      <FirstName>John</FirstName>
      <MiddleName>T</MiddleName>
      <LastName>Doe</LastName>
      <NameSuffix>II</NameSuffix>
    </Name>
    <AlternateName />
  </Person>
  <AcademicLearning>
    <School>
      <OrganizationName>ABC University</OrganizationName>
      <OPEID>00xxxxxx</OPEID>
      <SchoolLevel>Postsecondary</SchoolLevel>
      <NoteMessage>ChealD=xxxxxx</NoteMessage>
    </School>
    <Department>
      <OPEID>00xxxxxx</OPEID>
      <OrganizationName>Graduate School of Business</OrganizationName>
    </Department>
    <AcademicAward>
      <AcademicAwardLevel>1.5</AcademicAwardLevel>
      <AcademicAwardDate>2016-06-12</AcademicAwardDate>
      <AcademicAwardTitle>Certificate of Achievement</AcademicAwardTitle>
      <AcademicSummary>
        <AcademicSummaryType>NonDegreeApplicable</AcademicSummaryType>
        <AcademicProgram>
          <AcademicProgramName>Corporate Innovation</AcademicProgramName>
        </AcademicProgram>
      </AcademicSummary>
      <NoteMessage>1.5 statement of achievement</NoteMessage>
    </AcademicAward>
    <AchievementCategoryCode>Academic</AchievementCategoryCode>
    <ProgramInstructionMethod>FieldStudy</ProgramInstructionMethod>
    <PerformanceEvidence>
      <URLAddress>http://www.abc.edu/johndoeclawork</URLAddress>
    </PerformanceEvidence>
    <LearningProgram>
      <LearningOutcome>
        <LearningOutcomeDescription>Apply foundational financial and logical analysis to understand and develop
organizational strategy</LearningOutcomeDescription>
      </LearningOutcome>
      <LearningOutcome>
        <LearningOutcomeDescription>Collaborate with a diverse, global executive cohort to analyze existing
companies' successes and challenges related to corporate innovation</LearningOutcomeDescription>

```

```

</LearningOutcome>
</LearningProgram>
<AcademicSession>
  <AcademicSessionDetail>
    <SessionDesignator>2016-06</SessionDesignator>
  </AcademicSessionDetail>
  <Course>
    <CourseCreditBasis>ContinuingEducation</CourseCreditBasis>
    <CourseCreditUnits>ContinuingEducationUnits</CourseCreditUnits>
    <CourseCreditValue>3</CourseCreditValue>
    <CourseSubjectAbbreviation>FINLEAD</CourseSubjectAbbreviation>
    <CourseNumber>27</CourseNumber>
    <CourseTitle>Financing Innovation: The Creation of Value</CourseTitle>
    <CourseDescription>Learn the difference between earnings and cash flow, the importance of net working
capital, and the determinants of a firm's cost of capital</CourseDescription>
    <CourseInstructionMethod>InternetInstruction</CourseInstructionMethod>
    <CourseInstructor>
      <PositionTitle>Professor</PositionTitle>
      <Name>
        <FirstName>Dainel</FirstName>
        <LastName>Lu</LastName>
      </Name>
    </CourseInstructor>
    <LearningOutcome>
      <LearningOutcomeDescription>Build a financial model using the discounted cash flow, weighted average
cost of capital method</LearningOutcomeDescription>
    </LearningOutcome>
    <LearningOutcome>
      <LearningOutcomeDescription>Analyze capitalization tables and calculate key terms in venture capital
financing</LearningOutcomeDescription>
      <LearningOutcomeQualificationAssessment>
        <LearningOutcomeSkillCode>AnalyticInquiry</LearningOutcomeSkillCode>
        <LearningOutcomeProficiencyCode>Proficient</LearningOutcomeProficiencyCode>
      </LearningOutcomeQualificationAssessment>
      <LearningOutcomeQualificationAssessment>
        <LearningOutcomeSkillCode>UseInformationResources</LearningOutcomeSkillCode>
        <LearningOutcomeProficiencyCode>Distinguished</LearningOutcomeProficiencyCode>
      </LearningOutcomeQualificationAssessment>
      <AlternateOutcomeFramework>
        <FrameworkSourceReference>
          <URLAddress>http://www.onetonline.org/link/summary/13-2051.00</URLAddress>
        </FrameworkSourceReference>
        <FrameworkOutcome>
          <FrameworkOutcomeId>13-2051.10</FrameworkOutcomeId>
          <FrameworkOutcomeValue>Analyzing Data or Information</FrameworkOutcomeValue>
        </FrameworkOutcome>
      </AlternateOutcomeFramework>
    </LearningOutcome>
    <LearningOutcome>
      <LearningOutcomeDescription>Use strategies for basing conclusions about society in data including causal
reasoning, historical contextualization, hypothesis testing, modeling, and critical analysis of behavior and
institutions</LearningOutcomeDescription>
      <LearningOutcomeQualificationAssessment>
        <LearningOutcomeSkillCode>AnalyticInquiry</LearningOutcomeSkillCode>
        <LearningOutcomeProficiencyCode>Master</LearningOutcomeProficiencyCode>
      </LearningOutcomeQualificationAssessment>
      <LearningOutcomeQualificationAssessment>

```

```

    <LearningOutcomeSkillCode>QuantitativeFluency</LearningOutcomeSkillCode>
    <LearningOutcomeProficiencyCode>Proficient</LearningOutcomeProficiencyCode>
  </LearningOutcomeQualificationAssessment>
  <AlternateOutcomeFramework>
    <FrameworkSourceReference>
      <URLAddress>http://www.onetonline.org/link/summary/13-2051.00</URLAddress>
    </FrameworkSourceReference>
    <FrameworkOutcome>
      <FrameworkOutcomeId>13-2051.00</FrameworkOutcomeId>
      <FrameworkOutcomeValue>Critical Thinking</FrameworkOutcomeValue>
    </FrameworkOutcome>
    <FrameworkOutcome>
      <FrameworkOutcomeValue>Analyzing Data or Information</FrameworkOutcomeValue>
    </FrameworkOutcome>
  </AlternateOutcomeFramework>
  <AlternateOutcomeFramework>
    <FrameworkSourceReference>
      <URLAddress>http://www.onetonline.org/link/summary/13-1199.04</URLAddress>
    </FrameworkSourceReference>
    <FrameworkOutcome>
      <FrameworkOutcomeValue>Critical Thinking</FrameworkOutcomeValue>
    </FrameworkOutcome>
  </AlternateOutcomeFramework>
</LearningOutcome>
</Course>
</AcademicSession>
<AcademicSession>
  <AcademicSessionDetail>
    <SessionDesignator>2016-01</SessionDesignator>
  </AcademicSessionDetail>
  <LearningExperience>
    <SponsorOrganization>
      <DUNS>009214214</DUNS>
      <OrganizationName>Haas Center for Public Service</OrganizationName>
    </SponsorOrganization>
    <Mentor>
      <PositionTitle>Professor</PositionTitle>
      <Name>
        <FirstName>Jane</FirstName>
        <LastName>Doe</LastName>
      </Name>
    </Mentor>
    <PlacementLocation>Fresno Renewable Energy. Fresno, California</PlacementLocation>
    <LearningReflection>I worked with the Fresno Engineering team to help size solar photovoltaic systems for schools and houses in Fresno. I also supported the team's efforts</LearningReflection>
  </LearningExperience>
</AcademicSession>
</AcademicLearning>
</LearningRecordDetail>
</LearningRec:LearningRecord>

```