

Implementation of the IMS Global Comprehensive Learner Record Standard: A Practical Guide for Campus Personnel

AACRAO WORKGROUP ON THE IMPLEMENTATION OF THE IMS GLOBAL CLR STANDARD

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The American Association of Collegiate Registrars and Admissions Officers (AACRAO) is a non-profit, voluntary, professional association of more than 11,000 higher education professionals representing approximately 2,600 institutions in more than 40 countries. Its commitment to the professional development of its members includes best practice guidance on admissions strategies to meet institutional diversity objectives, delivery of academic programs in innovative ways to meet the needs of a changing student body, and exemplary approaches to student retention and completion.

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Introduction

What is a CLR?

A Comprehensive Learner Record (CLR) is an official document issued to a learner/student that is focused on what was learned in an educational program. In this context, the educational program is a technical or higher education degree program at the post-secondary level. In American higher education, the transcript is the official document used to convey what coursework was taken in a degree or certificate program. The CLR is not a replacement for this record but a different way to record and convey the outcomes of an educational program or activity. Its intent is to provide learners, employers, and others with information that is not reliant upon them having in-depth knowledge of postsecondary education, which is a major drawback of the transcript. The CLR also provides information on learning that may come from academic courses, co-curricular activities, employment or other evidence of learning or acquired competencies.

Emergence and Terminology

In 2015, there was a great deal of interest in exploring how technology could and should impact student records. Initial thoughts included some way to provide richer information about the courses on an academic transcript, such as hotlinks or pop-ups that could be used by the receiver, if desired, to see more than just a course title. Thus, an initial name of "extended transcript" emerged and, for a short time, was a working title. That quickly changed, as it created confusion about the intent of these records and some higher education professionals assumed the content of courses or academic programs was being altered (which it was not). A new title for the work, Comprehensive Student Record, was then applied. It was more accurate, as the notion that information on learning that occurred outside the classroom could be part of the record and that the organization of information should be prioritized around learning outcomes or competencies, rather than the chronological enrollment organization of the academic transcript.

In 2017, work on the record expanded to include many more types of institutions. As concepts of the record began to be more refined and consistent, it was also apparent that learning may go beyond the experience of students in an academic setting. When learning occurs in the workplace or in military settings, we don't think of those as student experiences. Consequently, a more inclusive title for the record emerged, the Comprehensive Learner Record, acknowledging that most experiences would come from academic and co-curricular settings but that learning from workplace, military or civic experiences might be validated through Prior Learning Assessment (PLA) and become part of the record.

In 2018-2019, a White House taskforce on the American Worker took up discussions on digital records. This work was not directly connected to the CLR project but surfaced a new name for records, Comprehensive Learner/Worker/Military records. That generated some confusion about the name of the CLR and differences between these. The U.S. Chamber of Commerce Foundation, a collaborative partner in the CLR project, worked to mitigate the confusion and did resolve to shorten their references to LER, or the Learning and Employment Record. Today, confusion still exists about the two names and the differences between them. It may be helpful to consider LER to be an umbrella term, where the CLR is one type of digital learning record among others. At the time of this publication, there are employment badges and certificates, the military is working on several projects to digitize and modernize the Joint Services Transcript (JST) and create their own comprehensive services record, MilGears. However, the CLR is the only type of LER that is in production today. As other digital records become available, the LER umbrella concept may become clearer to the public.

The Need for a Standard

During the first phase of CLR development work (2015-2017), it was unclear how these records might form. The collaborative work of the initial 12 colleges and universities in that phase, performed in partnership with NASPA and supported by Lumina Foundation, yielded fruitful discussions around their purpose, audience, content and more. As the next phase of the work began in 2018, it became clear that more institutions with larger student bodies were also interested in developing and implementing these records. In order to create records that could be exchanged between institutions and with outside entities (agencies, employers, etc.), interoperability was required.

IMS Global was working with several colleges and universities that were part of the Competency-Based Education Network (C-BEN), an emerging and growing organization that focused on CBE instruction in courses and degree programs. The resulting report from IMS' research demonstrated the need for a digital "extended transcript". AACRAO was engaged with this group, as there was an overlap between C-BEN and CLR Phase I institutions. Further, AACRAO was working to assist C-BEN in its creation of a standard for CBE transcript content.

An initial standard was being developed for the CBE programs and courses by IMS Global. That organization sought feedback from several individuals and organizations, including AACRAO, on its scope and direction. That draft became more formalized at the same time the need for one was appearing. That serendipity allowed AACRAO to review the IMS Global CLR standard and provide feedback on it. An AACRAO workgroup assessed its ability to meet the needs of diverse institutional types, learners, modalities and experiences required by the emerging and developing CLR formats. Per that review, the CLR Standard from IMS Global is the only comprehensive data standard in place today that meets the objectives of an official institutional learning-focused and comprehensive learner record. Further details on the review can be found in AACRAO's guidance.

Digital Standard versus Digital Credential

The standard is the mechanism by which issuers of CLRs can convey information to other parties or "consumers" of the contents (colleges, universities, employers, agencies). It is focused on the need to communicate to external consumers and not on the many ways that internal data could be used for reports, degree progress, etc. This is an important distinction. There are cases where institutions have used learning data to help them understand the learning of their own students. Those are vital for student success. They should not however be conflated with the external communications needs. Just as an academic transcript has certain properties that are important when we communicate it electronically to other parties outside the institution, we may also use course data to create views of student progress in grade reports, degree audit modules, etc., and the transcript standard wouldn't be expected to also meet these internal needs.

The credential itself is a digital document that is rendered into a format that is useful and informative. There are many ways to accomplish this and the variety of CLRs already in production illustrate this. The standard does not force an institution to render its CLR in any particular manner. It is only the mechanism that allows the data contained within the CLR to be organized in a way that it can be interoperable across an ecosystem of record exchange. This is sometimes compared to the standard for electricity within a country. The standard ensures that the electricity flows along a grid in a way that it can be commonly used by the consumer of it. How you use the electricity is irrelevant to the standard itself. Electrical products are built to that standard, so that you can easily plug them in and use them without having to concern yourself with what voltage may be coming from the outlet or what the product needs. Over time, using the CLR standard, an ecosystem of learner data will be enabled, and users of the data will be able to rely upon the data in a consistent format. How they render it, articulate it, and interpret it will be up to them; the standard does not dictate this.

Elements and Important Considerations

One of the important considerations of the CLR is that the learning claims it represents should be validated by an authority. In the academic transcript, we understand that grades were issued by faculty. That is the validation of the learning that we accept as accurate and authentic. The CLR carries that same concept of trust, while expanding the scope of authority to those who supervise learning. Most often, this is a faculty member but there are instances where others, especially student affairs staff and administrators, have been entrusted with that responsibility. In all cases, it implies and should carry the assumption that rigor has been applied to the assessment of learning.

Another important element of the CLR is its modularity. As micro-credentials expand in use and concept, we recognize that the learner may want or need to disaggregate the education program for her benefit in leveraging its learning outcomes for employment, further education, scholarship opportunities or other needs. This is a shift in thinking from many current academic

record uses, as there has always been a desire and need for transparency in the academic transcript. That document has been focused on its use by the academy and that need continues today.

The needs of learners and employers are different from those of the academy. In our lifetimes, the percentage of Americans holding a baccalaureate degree has risen sharply, as shown in Figure 1 below. Figure 2 reveals that for many years, nearly 70% of high school graduates continue on to higher education. As college-going becomes a common event in our society and holding a degree no longer distinguishes people as rare, learners and employers demand to know how these experiences translate into knowledge and skills needed in the workforce.

For these reasons, CLRs must be constructed with disaggregation as an assumed need of the learner. The reverse may also become true, where it will be important for educational institutions to receive and apply learning from other sources (transfer and advanced standing credit, military and work experiences) toward the degree outcome requirements in much the same way we display transfer credit on an academic transcript today. Knowing that the learner will require flexibility in the use of her learning data, the CLR seeks to allow modularity in the way its data is assembled and associated with other learning experiences in that educational program.

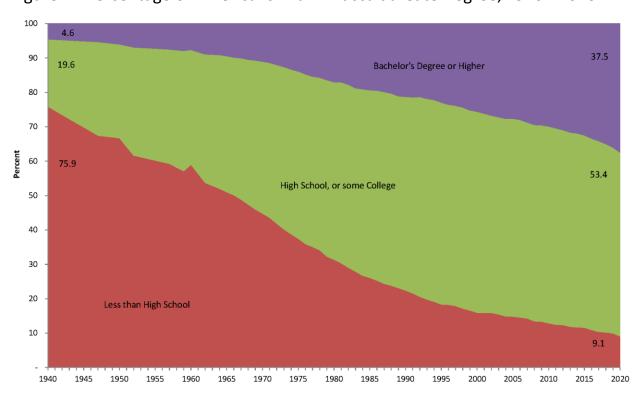
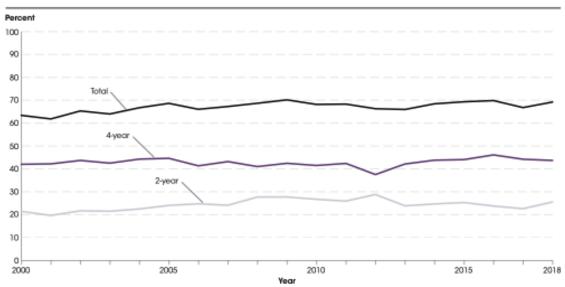


Figure 1. Percentage of Americans with A Baccalaureate Degree, 1940 - 2020

Sources: U.S. Census Bureau. 1947, 1952-2002 March Current Population Survey; 2003-2020 Annual Social and Economic Supplement to the Current Population Survey; 1940-1960 Census of Population. For more information on confidentiality protection, sampling error, nonsampling error, and definitions, see https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar20.pdf



Figure 2. Immediate college enrollment rate of high school completers, by level of institution: 2000 through 2018



NOTE: Immediate college enrollment rate is defined as the annual percentage of high school completers who are enrolled in 2- or 4-year institutions in the October immediately following high school completion. High school completers include those who graduated with a high school diploma as well as those who completed a GED or other high school equivalency credential. SOURCE: U.S. Department of Commerce, Census Bureau, Current Population Survey (CPS), October Supplement, 2000 through 2018. See Digest of Education Statistics 2019, table 302.10.

A third critical element of the CLR is the learning framework. As the CLR elevates the roles of learning outcomes and competencies (for those who use them), the number of individual learning outcomes and their structure will be numerous and varied. This allows for individual learning experiences to reflect discrete information about the learning that is being validated in the record. However, this can also create a cacophony of disparate information for the users and receivers of CLRs. Learning frameworks allow the educational institution to summarize learning, using established or institutionally developed categories into which the learning outcomes may be organized.

Early developers of the CLR often had institutionally established frameworks that provided the summary of learning needed to render a CLR in its visual form. These reflected the institution's agreement on categories; the CLR did not drive or dictate these. Examples include Stanford's Eight Ways of Knowing and Doing, Elon's Experiences, IUPUI's Profiles of Learning for Undergraduate Success, and the University of South Carolina's Beyond the Classroom Matters. Other institutions sought existing frameworks to help them organize learning in ways that aligned with their educational philosophies and programs. These include the AAC&U Value Rubrics, the Degree Qualifications Profile, NACE Career Readiness Competencies, and others.

Institutions often use framework tools within courses or programs but less often have mapped curriculum across degrees into frameworks that can summarize the learning outcomes across the educational experience. In these instances, it is often wise to begin with learning outcomes for the general education curriculum. This is the most common area of curriculum where broad learning outcomes have been established. Discipline-specific program outcomes can be added to these when they exist. While having robust discussions and forming workgroups to identify the right learning framework for an institution is always encouraged, these can also delay the implementation of a CLR. If new frameworks arise, they can be implemented at that time.

Some institutions begin their CLR work only with co-curricular learning experiences. The goal of a CLR is to span all learning experiences and the academic curriculum is at the heart of that. However, this can be the way to seed the project, and, in several instances, this has led to broader interest in CLRs from academic programs. This is largely because so many co-curricular programs are tied to academic programs (internships, research projects, global study, discipline-specific student organizations, etc.). In using this approach, it is important for Student Affairs professionals to ensure that assessment and validation of learning are present as soon as possible. Indirect assessment of learning via participation in a learning activity may be the first step. Is direct assessment of a reflective assignment possible in the following step? Collaboration with faculty can often help strengthen practices while building trust among faculty partners in the quality and rigor of learning validation and assessment that takes place outside their courses, labs and classrooms.

Regardless of where a college or university begins to collect, validate and assess learning, these elements and important considerations should form a roadmap to a more comprehensive and inclusive learning record. The institution will likely begin to see the interdependencies between learning experiences and connect them more intentionally, as a result. It is recommended that institutions speak with and review resources from institutions that have already developed and implemented their CLRs, as this will help them map their path forward and avoid creating records that cannot be easily expanded as the institution's learning frameworks and data capabilities grow and change over time.

Institutional Data and CLR Creation

Building from the realization that learning happens in many different environments and through various experiences, capturing learning data becomes more complex. Technology-supported learning through learning management systems (LMS) is nearly ubiquitous in higher education. A growing number of co-curricular information systems are available and help student affairs administrators organize and track student activities, career development, and student organizations. Each of these systems hold pieces of the learning data environment.

The CLR requires that these pieces of information be brought together in a way that securely joins them to student identity. Institutions may populate the LMS, co-curricular data system or

other learning technology from the SIS, the institution's system of record, where identity has already been established. The data from learning experiences is then stored in those systems. The CLR requires that some of these data are harvested for use in the record, necessitating operations that may be simple or complex, depending on the system(s) being deployed.

Some systems provide plug-ins that make the return of some learner data to the SIS simpler. For example, an instructor may grade a course in the LMS and the course grade may be imported back into the SIS through a plug-in. Because SIS transactions are focused on terms, academic courses, grades and credits, they are not commonly built to accept and use learning data, such as learning outcomes, competencies, rubrics, artifacts, etc. Institutions must deploy or develop a system to collect and join learning data to student identity, so that the output to the CLR can be achieved. Figure 3 shows a simplified sketch of the information that needs to be collected and joined together.

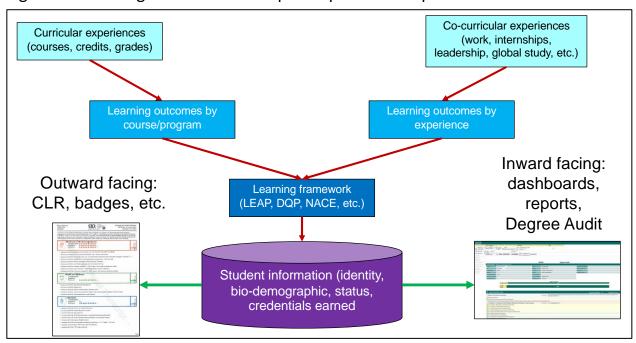


Figure 3. Learning Data Sources Map - simplified example

Institutions have used various methods to join data from learning experiences with student identity. Some use the tables that support their SIS as a location for the data, importing it from various sources and joining it to the student identity already established in the SIS. This requires matching as the data is placed into the tables so that the data are aligned with the correct records. Using the same student ID as in the SIS across all information systems (LMS, co-curricular, etc.) is highly recommended. Note that these systems often allow users to create learner records within them, even when populated by the SIS initially. Safeguards and strong data governance processes must be in place to ensure that all records coming from these systems can be accurately joined to the records in the SIS.

Other institutions join data from various sources in a data warehouse. In doing so, there is typically a set routine for establishing the accuracy of identity before joining the data. Using the same unique record identifier across all systems is a strong/best practice and allows easier alignment. Regardless of the methods it is important to create or utilize error reports that identify any records or data that come into a system that cannot be joined to other records. These are common in admissions systems where student records often start; they are also found in financial aid. The matching routines used to link applications to inquiries or FAFSA/ISIR data to existing records often provide the structure required to align records when a unique record identifier is not in place.

Most institutions that will develop and implement CLRs will need to determine how they will stage the data for the record, even when they use external providers to render the records or translate their content into the J-SON format the standard uses. This may be as simple as a spreadsheet, a .csv file, or as complex as routines that provide automation to transmit the compiled data to a company or service provider that will render and transmit the CLRs on the institution's behalf.

Purpose

When referencing the definition of a CLR, each institution will include components on the digital record that best represents the institution's mission, goals, and student body. As the body of the CLR could reflect co-curricular, academic, competency work or a combination of these, it is important that data is represented in a standard format so that the components of the record are easily identifiable and transferrable regardless of the type of CLR created. The purpose of this publication is to introduce the elements that contribute to a CLR standard; the definitions, relationships, and representation of achievements and how to define and apply the standard to a CLR. Although CLRs can vary due to the needs and wants of the individual institutions, the standardization of the content and elements represented on the CLR will allow for easy recognition of the content and consumption of the data for all consumers of the record. Just like the grades, courses, terms, and other elements that make the traditional transcript recognizable, adopting a standard does the same for a CLR.

Through a variety of examples portrayed by a number of institutions who have adopted the IMS standard, this publication aims to familiarize readers with the different elements of the standard and how to apply the standard when developing a CLR. In addition, this guide strives to highlight from a business, non-technical point of view how to use and adopt this standard for institutions of all types and sizes, regardless of where the institution is in its CLR development process.

Intended Audience

As technology continues to influence the mode by which institutions educate students, and as technology continues to influence the functional roles that are needed at institutions of higher learning, it becomes even more important for employers and IT personnel to be able to communicate, and for employers to be able to "speak" the language of business requirements to IT. This is even more true when working in the world of digital credentials like the CLR. Although IT may have a role in developing or setting up your institution's CLR, the features represented on the record that influence the use of a standard and the connectivity of data fall to the educators at the institution who craft and create what the CLR will provide to their students.

This guide is meant for any unit who is engaged in the design and assessment of student learning experiences. This is different for each institution, but runs the gamut of enrollment services, registrar personnel, student services offices, and others that really understand the data (where it lives, how it's used, how it can be applied) that will be portrayed on the CLR.

Scope

IMS Global defines a CLR as "A document of structured data created by a Publisher containing one or more Assertions about one Learner." The key words in this definition are *structured data*, which implies all who generate a CLR or consume a CLR are using that same formatting and defining content similarly to ensure that data can be machine readable and transferrable. This is the same process followed by the U.S. Treasury when developing currency, or states that use one standard size and set of information on a driver for the distribution of driver's licenses. This same approach is very much applicable to the traditional transcripts. The standard format is recognizable and those who receive or see a transcript recognize it as such. By using a "common language" as defined by a standard, the information a CLR holds about a learner can be easily generated, shared, and interpreted.

It should be noted that the IMS Global CLR standard is not meant to be a replacement for the Standardization of Postsecondary Education Electronic Data Exchange (SPEEDE), the Open Badges standard, etc. The SPEEDE standard for the exchange of academic transcripts contains more details specific to that record type than those in the IMS Global CLR standard. Rather the CLR standard will serve the digital exchange of academic credentials of many types with sufficient detail to communicate the credential type, issuing authority, salient details of the credential and associated meta-data or artifacts. The IMS Global CLR standard is seen as complementary to existing standard(s) to enable a broader exchange of all types of digital credentials.

In this guide, several different institutions who have adopted the IMS standards in the creation of their CLR will share their approach and share how the IMS standard guides the elements of their institutions CLR. Each institution crafted a CLR to best represent and meet the needs of

their student population, yet was able to apply the standard in a consistent manner based on the definitions and guidance supplied by the IMS Global CLR standard. The standard in these cases was applied by those at the institution who worked on the development of the CLR, not necessarily IT or functional personnel. In addition, there are often multiple ways for the standard to apply and still be meaningful to the publisher and to the consumer, and that is another key take-away of this guide. This publication will highlight by example, how the standard will make a CLR and other digital credentialing efforts consumable and will expand the reach, usability, adoptability, and interoperability of the CLR created by any institution.

The Format of Technical Terms in this Guide

This guide contains a number of technical terms and references. In some cases, those appear within coding examples and, when this occurs, the format has not been altered from what is required by the coding language. At other times, these terms and references appear in graphics that have been created for the publication; those retain the formats of their creators. In other places, however, the following scheme is used:

- ⇒ Attributes or Field names, including terms, such as Achievement, are in boldface type.
- ⇒ Associations, such as *IsChildOf*, which connect field names, are in *italics* and appear as printed in the Standard, without spaces between words.
- ⇒ Values or results, such as "true", or "degree", appear in quotation marks.

IMS Global CLR Standard Overview

The <u>CLR Standard</u> is a technical specification from IMS Global that defines how CLR data is to be structured and exchanged between systems. The standard includes both a data model and a service model (REST API). IMS offers certification to products that conform to the CLR Standard.

It is important to note that the standard focuses on the retrieval of CLR information and does not define how CLR information is to be stored within individual systems. However, an understanding of the data model may be helpful for designing storage strategies that maximize efficiency.

The data model contains a number of data objects or classes each containing a variety of attributes or properties. A CLR is a JSON document that contains a number of required and optional data objects conceptually related in the following illustration:

CLR Verification

Publisher Profile Learner Profile Endorser

Issuer Profile — Achievement — Assertion Verification

Results
Evidence

Issuer Profile — Achievement — Assertion

Evidence

Figure 4. Comprehensive Learner Record (CLR) containing two achievements

The full data model is described completely in the <u>information model specification</u>, however, the following data objects are defined here for foundational purposes:

CLR - A document of structured data created by a Publisher containing one or more Assertions about one Learner.

Achievement - An accomplishment such as an award, badge, competency, course, degree, or other recognition. An achievement is general in that it may be asserted about one or more Learners.

Association - A relationship (e.g., isChildOf, precedes, etc.) between multiple achievements.

Assertion - The attestation made by an Issuer about a Learner regarding an **Achievement**. **Achievements** (what is awarded) and **Assertions** (to whom was the achievement given? what were the learner's unique attributes?) go together when mapping a component portion of the CLR. The **Assertion** will often include associated results, evidence, or other metadata regarding a specific **Achievement**.

Issuer - The profile of an organization or entity that has made a particular **Assertion** about a Learner. The Issuer of an **Assertion** is the authoritative source for that specific **Assertion**.

Publisher - The profile of the organization providing the CLR and serving as the official record keeper for assertions in a CLR. In the majority of cases, the **Publisher** is also the Issuer of some or all of the assertions in a CLR.

Endorsement - A claim of support made by a third party. Endorsements can be made about any **Achievement, Assertion, Profile** (e.g., **Publisher, Issuer, Learner**), or the CLR itself.

Evidence - Artifact(s) that support the issued **Assertion** (e.g., text, video, website).

Learner - The profile of the person who is the subject of the CLR and assertions contained in a CLR.

Verification - Instructive information for third parties to verify assertions or the CLR itself.

Example

Here is an actual CLR in its native form called JSON (Javascript Object Notation), a well-known data exchange language. Non-technical implementers have no need to learn JSON but it is shown here for illustrative purposes as this is what is behind the scenes when your systems exchange CLR's.

This example is from a fictitious institution, Atlas University, and issued to a fictitious learner, Alice Smith. The CLR contains one achievement, completion of a two-credit course, Introduction to Project Management, leading to a Project Management Introductory Certificate. CLR's will normally contain many achievement assertions and their data and relationships.

SAMPLE CLR for Course Completion

```
"@context": "https://purl.imsglobal.org/spec/clr/v1p0/context/clr_v1p0.jsonId",
"id": "https://www.sample.edu/ims/clr/v1p0/clrs/1",
"name": "Project Management Introductory Certificate",

// The Learner Profile

"learner": {
    "id": "https://www.sample.edu/students/1",

"email": "AliceSmith@email.com",
Learner Profile
```

```
"name": "Alice Smith"
 },
// The Publisher Profile
                                                                   Publisher Profile
 "publisher": {
  "id": "https://www.sample.edu",
  "email": "demo@sample.edu",
  "name": "Sample University"
 "issuedOn": "2018-06-12T00:00:00",
// The Assertions
                                                                       Assertion
 "assertions": [
   "id": "https://www.sample.edu/ims/clr/v1p0/assertions/1",
   // The Achievement being asserted
                                                                     Achievement
   "achievement": {
    "id": "https://www.sample.edu/courses/PM100",
    "achievementType": "Course",
    "name": "Intro to Project Management",
    "description": "Introduction to Project Management is an ideal starting point for the
fundamentals of the discipline. This course offers a basic introduction to processes, procedures,
tools, and techniques of coordinating and managing projects in an organizational setting.",
    "humanCode": "PM100",
    "creditsAvailable": 2,
    // The Achievement Issuer Profile
                                                                     Issuer Profile
    "issuer": {
      "id": "https://www.sample.edu",
      "email": "demo@sample.edu",
      "name": "Sample University"
     },
    // Associations between this Achievement and
    // other Achievements
```

```
"associations": [
      "associationType": "isParentOf",
      "targetId": "https://www.sample.edu/assessments/PM100-1",
      "title": "Unit 1 Discussion"
    ]
   },
   // The Recipient of this Achievement
   "recipient": {
                                                                      Learner Profile
    "type": "email",
    "identity": "AliceSmith@email.com",
    "hashed": false
   },
   "issuedOn": "2017-10-31T19:00:00",
   "creditsEarned": 2,
   // The Assertion Verification instructions
   "verification": {
    "type": "Hosted"
                                                                        Verification
  }
 1,
// The CLR Verification instructions
 "verification": {
  "type": "Hosted"
}
}
END
```

Recommendations for Some Specific Tricky Mapping Concepts

Full or Partial Record (CLR Class)

Institutions typically send a full academic record when transmitting a transcript to a third party, including another institution. However, this is not always the case, as institutions are frequently asked to certify the status of the student independent of the full academic history (e.g., degree certification, full time certification, etc.). These methods require the institution (the registrar) to take action to fulfill the request and only then is the information considered official or valid. An emerging concept is student self-sovereignty, where the student has agency over what she discloses to third parties. It is predicated on the assumption that the recipient of the record will know if the record is a full/complete record or partial one by some information or designation on, or in the record itself. In a similar manner, the functionality of digital wallets, currently being developed/deployed, enable students to select and/or stack their credentials as is appropriate for the opportunity they are seeking. This is dependent upon the recipient understanding the nature of the record that the student transmits. If the record is not complete, the receiver must know this up front to evaluate it appropriately.

In a digital exchange environment, this information (full/partial) must be transmitted clearly to the recipient to ensure clear understanding and trust. The **partial** (6.1.7.9) attribute of the CLR class is intended for this purpose and should be included as part of all CLR transmissions. The value of "true" means the CLR does not include all of the achievements and assertions for the learner. If the value is "false" or omitted, the CLR is assumed to carry all the achievements and assertions of the Learner.

Expressions of, and ways to employ, the Achievement Class

Degrees, Courses, Competencies, etc.

An **Achievement** is used most commonly to represent an institutionally defined accomplishment that a student enrolled at the institution can earn if all its requirements are satisfied. A common example is a bachelor's degree that can be awarded to any and all students who complete the requirements of the academic program. The **Achievement** is defined only once but can be awarded (see the discussion of **Achievement** and **Assertions** below) multiple times to as many students as needed. The attributes of the achievement enable it to be described, identify the issuer, its alignment to a standards framework (if germane), credits required or awarded, endorsement of the award (e.g., accrediting organization), licenses, etc.

However, in addition to an award like a degree, the **Achievement** class can be used to represent any credential or attestation the institution deems appropriate. These include a certificate, competency, course, learning engagement activity or any other credential or accomplishment the institution wishes to express on behalf of the student. **Achievement** examples are numerous in the use cases in this guide and include the IU Hoosier Experience Certificate expressed as an **Achievement** earned through student participation in proscribed campus events, each represented as a different, supporting activity **Achievement**.

The record must be able to be verified as accurate upon receipt. While the digital credential would carry a **Result** attribute, such as "awarded", this is a fixed point in time reference. Issuers of digital credentials should provide information or a mechanism that these records can be validated at the source. While rare, a credential may be "revoked" after issuance and to ensure trust in the accuracy of the record's information, receivers of the records should be prompted to validate the current status of the record. It may be possible that a third party provider, such as the Paradigm Certified Electronic Diploma, can provide this real-time reference as part of the records receipt.

Academic or Competency Objectives

The **Achievement** can also be used to define an academic objective, degree program, competency pathway, or simply as means to provide a framework or context to the student's academic or engagement activity. In the case of an academic transcript, the student degree objective is often expressed as an **Achievement** to provide context to the set of courses appearing on the record. Each term on the transcript may be associated with a different degree objective (a student may change their major from one term to another). Each of the degree objectives may be expressed as an **Achievement** providing the framework for each term and course taken while the student was pursuing it. Similarly, the University of Central Oklahoma's STLR record defines Tenets of Transformational Learning where levels for each Tenet are achieved through a completion of courses, projects, activities or experiences germane to the Tenet. All activities awarded within a Tenet for which students earn lowest or middle level assessment are associated to the Tenet, but only upon assessment at the top level is the student asserted to have demonstrated transformational development (so noted on the CLR as an **Achievement** and in the form of an honor cord). If not yet earned, the **Achievement** can be used to provide the framework for the set of activities that support it.

Temporal or Summary Statistics Aggregation

An **Achievement** may also be used to provide a needed collection or organization point in a learner record. For example, certain learning activities may be categorized within the overall learning framework. The category (perhaps "Leadership") is stated as an **Achievement** and the learning activities that demonstrate leadership are associated with it. In another example, most academic transcripts are rendered as chronological ledgers with courses organized by

terms and summary statistics (e.g., GPA) provided for each. In addition, a cumulative set of statistics is provided for all courses at the same level on the record summarizing the performance of the student. An **Achievement** can be used to represent each "Term" providing a temporal context for the courses under it and provide the means to express the associated term GPA values. Each of the term **Achievements** support either the degree program or the completed degree. Likewise, a "cumulative GPA" **Achievement** can be defined to express the undergraduate or graduate summary statistics.

Majors and Minors

If a student has earned a major and a minor from different schools (different issuers) within the institution, defining the majors and minors as **Achievements** provides a means of describing the **issuers** (e.g., schools) and additional earned **attributes** (e.g., "Major GPA"). In addition, a second major under the same degree may be expressed as a distinct **Achievement** enabling attributes unique to the second major and the issuing entities to be defined. See the IU Academic Record High Level Map. This construct also enables the learner to disclose these individual components (i.e., majors) of the record as separate credentials.

Concentration(s)

In addition to majors and minors, some institutions may record and attest to concentrations or cognates. In some cases, students may have earned multiple concentrations. If the concentration is not truly a separate credential and the issuer authority is the same as named in the **Achievement**, the recommended placement of these concentrations is in the **specialization** (6.1.1.18) attribute. If there are multiple concentrations, place the free form values between brackets and separate them by a colon. See the example below:

"specialization": { "Concentration": "Culinary Arts", "Concentration": "Baking and Pastry Arts" }

Academic Courses in an Achievement

In order to represent courses in a consistent manner, it is recommended that the "course title" be expressed in the **Achievement name** (6.1.1.10) and the coded "department-course combination" be expressed in the **Human Code** (6.1.1.9).

Achievement Types

Achievement types (represented in the CLR standard by the **achievementType** attribute) define the type of **Achievement**. For example, the "Achievement" **Achievement Type** represents a generic achievement and the "Competency" **Achievement Type** represents a competency. For a list of existing **Achievement Types**, see the Children attributes in Table 6.4.1: Description of the

ExtensibleAchievementType class at this link. **Achievement Types** are also extensible which means that you can add custom **Achievement Types** as **extensions**.

Associations and Achievements

As just described, **Achievements** can represent a variety of accomplishments, frameworks or organization constructs for a CLR. **Achievements** may represent a degree with supporting courses, a competency with supporting activities, a certificate with supporting events. The relationships between these **Achievements** must be defined and communicated to the recipient. This is accomplished via **Associations**. Typically, the **Achievements** that support the completion/mastery **Achievement** are considered to be its children¹. In the Elon Experiences Transcript use case, each program area (e.g., "Research") is expressed as an **Achievement** (providing framework, context, and summary) with each of the "Research" activity **Achievements** given an **Association** type of *isChildof*.

Parent or Child

Another way to express the supporting relationship between **Achievements** is to use the **Association Type** *isParentof*. In the Western Governors University (WGU) use case, the "Business Essentials" **Achievement** uses multiple **Associations** of type *isParentof* to tie together all of the courses used to earn a Business Essential micro-credential since the child courses may be associated with other levels of achievements and since the parent achievement will only be issued upon completion of all child elements. Use of the *isParentof/isChildof* **Association** is a personal choice since each will work in the standard to describe the relationship between the **Achievements**.

Other Relationships

In the University of Maryland Comprehensive Learner Record use case, completed projects (either from a course or an engagement activity) provide the basis for earning specific program learning outcomes (and may be expressed as a badge). "Courses", "Projects", "Learning Outcomes" and "Badges" are all denoted as **Achievements**. Projects are associated with courses using **Association Type** *isRelatedto* and with program learning outcomes using type *isChildof*. Note also (more below) that if an **Achievement** ("Learning Outcome") is also expressed as a type "Badge", the resulting relationship is also denoted as *isPeerof*.

¹ "Achievements" do not have to have an "Association" and may stand on their own. They may also have multiple "Associations".

Achievement/Assertion

As mentioned in the IMS Global CLR Standard Overview section of this guide, an **Achievement** describes what is awarded but it does not, by itself, enable the institution to identify the recipient of the award nor the unique characteristics that are pertinent to the learner receiving the award (e.g., honors, competency level, license, award date, credits, etc.). **Achievement/Assertions** are nearly always paired with one another; typically, one cannot be asserted without the other¹.

Learning Artifacts

The **Assertion** also enables the addition of metadata to the achievement itself. The student may have a specific learning artifact (e.g., paper, computer program, assessment, etc.) created/developed to earn the achievement. The **Assertion evidence** (6.1.5.8) attribute can be used to link the artifact to the **Achievement/Assertion**. A common use of the attribute is to include a link pointing to the artifact.

Achievements and Assertion Results

Learner outcomes, assessments, grades, honors, and other attributes are expressed in the standard by using the **Achievement ResultDescription** (6.1.1.17) attribute with a result **name** and placing the value of the result in the **Assertion Result value** (6.1.19.6). As an example, refer to IU Academic Record CLR use case and note that the **Achievement** "Degree" has multiple **Result** descriptions for "Awarded" and "Honors" while the **Assertion Result** reflects the value earned by the student ("Awarded" and "Distinction", respectively).

Stand-alone Badges/Credentials versus Mixed Transcript/Badges (Or not)

CLRs may contain a variety of achievement types including but not limited to digital badges, certificates, courses and degrees². With a learner's CLR, these achievements may be related to each other through the use of **Associations** (e.g., courses that lead to a certificate or skills that are part of a competency) so that stacked or incremental **Achievements** may be communicated in a CLR. However, **Achievements** are not required to be associated with other **Achievements**. For example, one learner's CLR might contain seven **Assertions** -- three badges and four noncredit courses -- that are not associated with each other.

² For an excellent discussion of academic micro-credentials and a governing policy, please see https://system.suny.edu/academic-affairs/microcredentials/

Achievements and Badges

For many institutions, there is a need to provide an award in context (expressed as an Achievement/Assertion) but also a desire to award a badge that can be asserted independent of the record as a whole. In addition, for many wallets, a badge provides an excellent structure that enables the learner to select and stack the badge as an independent credential. To transmit both concepts digitally, express the award(s) as an Achievement/Assertion and associate it/them as a parent/parents or child/children (as appropriate). Define the Achievement "Badge" (one of the achievement types) and associate it with the appropriate Achievement/Assertion with the Association Type isPeerof. For examples, review the University of Maryland Global Campus (UMGC) CLR or WGU Micro-Credentials use cases.

Transfer Work

In order to identify work that was taken at another institution and accepted/articulated at the asserting intuition, the following is recommended. Create an **Achievement/Assertion** for the course in a manner similar to institutionally offered courses. Use the **Assertion source** (6.1.5.18) attribute to indicate the institution that originally awarded credit for the course. Note that Indiana University (IU or IUB) places the transferred course under the academic term in which it was accepted. If this is not the practice at your institution, an **Achievement /Assertion** can be created to provide context for the transferred courses. Optionally, a **Profile** for the original institution could be created if more information is required. As an example, please review the IU Academic Record CLR.

<u>Authority and Profiles: How to Describe the Institution and its Authority</u> to Award a Credential

For all credentials, it is vitally important to understand who is issuing the credential, the authority of the issuer, how it is derived and the distinction between the publisher and the issuer. The IMS Global CLR Standard provides some options for communicating these relationships and providing the appropriate context and governance behind the issuer for each award.

Often, though not always, the **Publisher** of the CLR or transcript is the registrar, and the office serves as the primary point of contact for recipients of the credential. However, the registrar does not award a degree or certificate; it is the institution or campus that is empowered to award the degree, or an individual school is empowered to award a certificate, major or minor. In the case where a digital wallet might enable a self-sovereign learner to stack their credentials for disclosure to a third party, the learner themselves would be **Publisher** while the institution/campus would remain the **Issuer**. Lastly, there may be the need to transmit to the recipient additional information such as the state that allows the institution legal authority to award the credential, the accrediting body that reviewed the institution attesting to the

credential and perhaps a national or professional accreditor that reviewed the department or program that provided the learner's specific program (engineering, business, nursing, occupational therapy, etc.).

In order to transmit this information via the IMS Global CLR standard, it is recommended to create a **Profile** of each of the organizations (**Issuer** (e.g., "Institution"/"College"/"University"), **Publisher** (e.g., "Registrar") and any additional issuers (for example, a degree in which a major and minor are awarded from two different schools at the institution). Use the **Profile** attribute **ParentOrg** (6.1.23.15) to create any hierarchical relationships between them. For example, examine the IU Academic Record CLR and note the following:

Publisher: Registrar

Issuer – Degree: Indiana University Bloomington

Issuer – Major: School of Public Health
Issuer – Minor: College of Arts and Sciences

Accreditor: Higher Learning Commission (HLC)

The **Publisher**, "Major" and "Minor" **Issuers** are organizations contained with the institution (i.e., parent) while the "Accreditor" is cited in the **Achievement endorsements** (6.1.1.8) with the URL of the reviewing organization. It is at the discretion of the transmitter whether a **Profile** for the "Accreditor" is necessary.

Recommendations for use of specific data objects and properties

<u>Id</u>

The **id** attribute is included to support JSON-LD processing and the CLR API. Generally speaking, achievement designers and authors do not need to supply a value for **id**. It will be assigned as needed by the application that implements the CLR provider role. If an educational organization is providing **Achievement** and **Assertion** data to a third party CLR provider, the educational organization should assign a unique internal identifier to each achievement, and each **Assertion** should reference that identifier so that the **Assertions** are linked to the correct **Achievements**.

For example,

Achiev	vement
Uniqueldentifier	"123"
Name	"Introduction to Project Management"
Asse	rtion
AchievementUniqueIdentifier	"123"

IssuedOn "2021-03-09"

The third party CLR provider can ingest this information and then assign an **id** as needed.

Use Cases and Examples

To help users of this guide interpret their learning data and align it to the IMS Global CLR Standard, an array of use cases has been included. These represent actual institutional credentials that have been mapped to the Standard. An effort was made to identify and include institutions with different student audiences, learning activities, degrees and innovative practices.

Each of the use cases provides a short narrative that contextualizes the CLR. These narratives provide background on the college or university, and its students/learners. In describing the CLR, each institution has provided information on what learning it was attempting to capture, record, assess, validate and transmit. Each institution also completed a template for their CLR, which is a detailed roster of information that allows the data to be mapped to the Standard. Due to the extensive data contained in each template, these are located in Appendix B of the Guide. This is followed by a visual map of the elements of the CLR to the component parts (Achievement, Assertion, Profile, etc.) in the Standard.

The first use case from Indiana University Bloomington provides a comprehensive view of the process. This allows readers of this guide the opportunity to see how a use case can be taken from the visual example of a credential (the rendered sample) and its related online validation, in this case through Paradigm's Certified Electronic Diploma product. The next examples take the reader through each of the steps required to place the data used to render this certificate into the IMS Global CLR Standard (mapping and template steps) into the actual data that would be transmitted (the JSON language example). The final example in this use case is the data being received by a third part in a digital wallet.

<u>Indiana University Bloomington – First Year Experience Hoosier</u> <u>Experience Achievement Award</u>

The Hoosier Experience Certificate is an award given to students who complete a designated co-curricular set of engagements and experiences. In 2018, The IU Bloomington campus sought to improve the experience of onboarding students to campus life, support their academic needs and provide incentives for students to seek out and utilize all the resources, activities, and opportunities that were available to them. The goal was to not only improve academic performance and increase persistence, but to provide opportunities for students to engage in a

wide variety of experiences that would enhance their campus life experience. The result was the creation of the Hoosier Experience program.

The program was designed to unify the first-year experiences across campus, facilitate collaborative programming, and enhance student engagement during the student's first year of enrollment. Areas of programming include Academics and Careers, Equity and Inclusion, Community and Engagement, and Arts and Humanities. In order to provide an incentive to participate in a wide variety of activities, a certificate was created and awarded to students who engage in 6 of the programmatic offerings across the defined categories of experiences. IUB began awarding the Hoosier Experience Achievement Awards (HEAA) in the spring of 2019 (eCertificates only) and provided a more robust and fully developed (with Scholar Record) certificate in 2020. For more information regarding the program and types of activities and engagements that are part of the program, please click on the office of First Year Experience Programs, Hoosier Experience page.

The eCertificate enables a digital and portable representation of the award that the student may choose to disclose, and also carries additional supporting information (e.g., description, requirements, assessments, rubrics, learning outcomes, etc.) to add richness and fidelity to the award for the recipient. The certificate enables those who authenticate the credential, the opportunity to download a machine readable (IMS Global CLR standard) version of the credential.

In the context of the IMS Global CLR standard, the eCertificate consists of two primary **Achievement/Assertions**: 1) representing the earned certificate and 2) representing the events/activities/assessments in which the student participated. The **Issuer** is the "Office of Enrollment Management", the **Endorser** is the "Office of the Provost", and the **Publisher** is the "Office of the Registrar".





Certificate of Completion

This certificate presented to

Allison Fake Student

for the

First-Year Hoosier Experience Achievement Award

in recognition of your participation in the Hoosier Experience program during your first year at Indiana University Bloomington.

November 2019

David B. Johnson

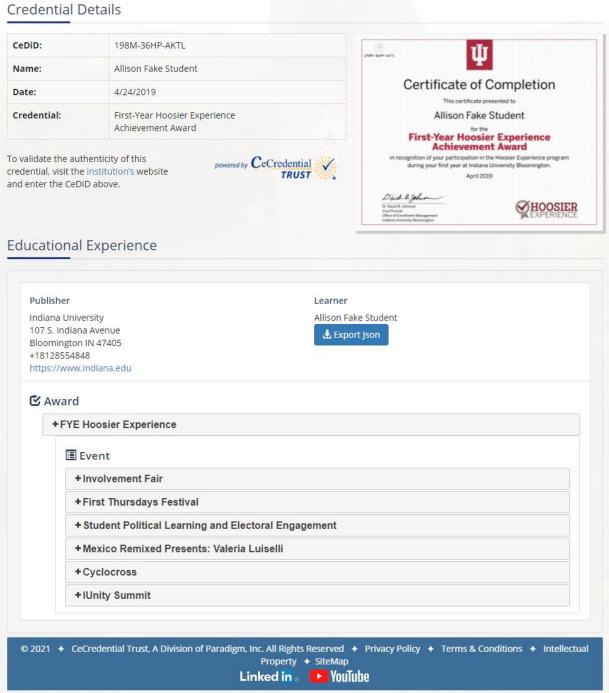
Vice Provost

Office of Enrollment Management Indiana University Bloomington



Hoosier Experience Achievement Award – Validation Sample

ScholarRecord INDIANA UNIVERSITY Credential Details



Profile
Provost

CLR
Indiana University Hoosier Experience Certificate

Profile
Provost

CLR
Issuer
Learner
Publisher

Profile

Office of Enrollment Management
Endorsement Provost

Indiana University Hoosier Experience Certificate

Profile

CLR
Indiana University Hoosier Experience Certificate

Ordered Complete

Curling Complete

Complete

Continue of Complete

Continue o

Step 1: High-Level Mapping of Record to CLR Standard Elements

Achievement

Association Child

Profile

Registrar

Parent Org

Step 2: Mapping of Learner Record Data to CLR Standard Elements

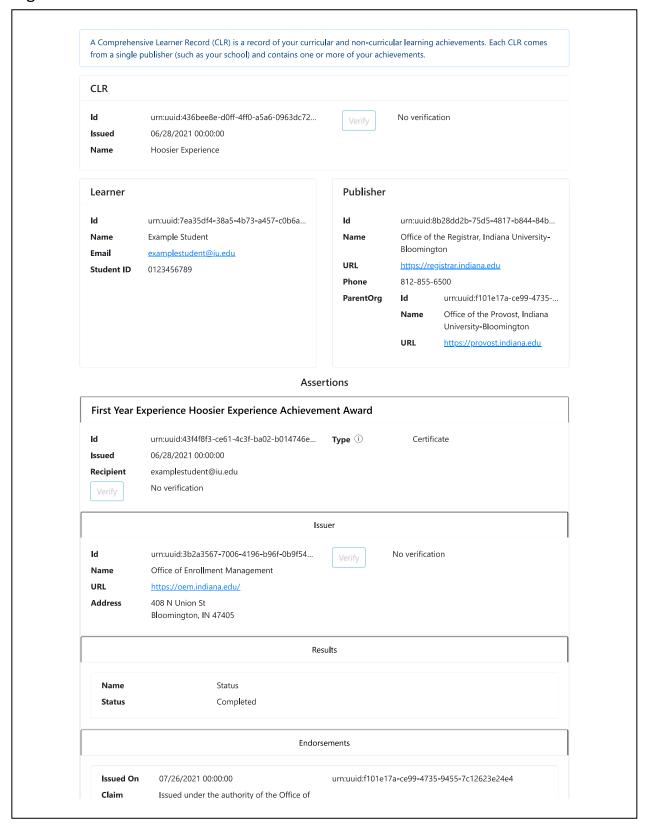
	CLR Campus Planning/Mapping	Template	
Indiana Univers	ity First Year Experience Hoosier Ex		ard
Background		Response	
Achievement, Assertion and Association General Questions			
Who is the issuing authority of the credential (State Accreditation (degree), Institution, Campus, School, Department, etc.)?	The IUB Office of Enrollment Management through the auspice of the Indiana Univ	versity Bloomington Provost. The Publisher is the office of the F	Registrar.
Do your achievements (competencies, courses, awards, etc.) have a hierarchical relationship? For example, do competencies roll up to a course or courses roll up to a degree?	A student must complete 6 engagements across 4 categories to be eligible for the Hoosier Experience Award.	FYE Hoosier Experience Award. Thus the 6 (or more) qualify	ing engagements support the award of the
Do any of your achievements "stand alone" i.e. not roll up to a higher order award or achievement?	No. the Heavier Experience Cartificate way stood along. The experience path if	tion are not awards/aredentials in and of themselves	
award or achievement?	No, the Hoosier Experience Certificate may stand along; The engagements activit	ties are not awards/credentials in and or themselves.	
Are there "potential" conceptual levels, chronological segments (such as a term-based header), aggregation points, that need to be represented within the record?	There are only two entities (Achievements) of interest in the Hoosier Experience A	ward. The Hoosier Experience Certificate and the supporting	Engagement activities.
Does an aspirational award or credential need to be represented in order to structure the events or curriculum supporting it? Examples include, but are not limited to, degree objectives, learning outcomes, certificates, etc.	No. The credential is only awarded once the student is eligible.		
In addition to your responses to above, are there other factors constituting to our mapping of records to Achievements and how these achievements relate to one another?	None		
Please describe your mapping to the IMS CLR Achievement Class.	There are two achievements in the Hoosier Experience Credential: 1) the FYE Ho	posier Experience Certificate and 2) the Engagement activities	that enable the student to earn the award.
Please describe how your achievements are related to one another and how you represented the relationship via the Association Class. Please describe if you added any additional information to the Assertion class.	The student engagement activities are "children" of the Hoosier Experience Certific		
beyond matching learner and achievement? For example, honors notations, learning artifacts, etc.	Currently, no. However, adding reflections and/or other learning artifacts to some	of the engagement activities has been discussed and may be	considered in the future.
CLR Record / Package			
Time	Response	Source of Data	CLR Class Description
Type IssuedON	CLR Date	Default Generated at time of Issue	6.1.7 "Cllr" class 6.1.7.5 "issuedOn"
Extension (e.g., internal tracking request number, etc.) - Seldom used but if used please explain			
Learner Data			
Family name	Family Name Given name	Last Name (SIS) Preferred name (SIS)	6.1.18.8 "name"
Given name Additional name (e.g. middle name)	Given name	Preferred name (SIS)	6.1.18.8 "name" 6.1.18.8 "name"
student ID (Institutional)	1234567890	Student Identification Number (SIS)	6.1.18.13 "studentId"
student birthdate (Optional)			TBD
Student address (Optional) - street, locality, region, country, postalcode			
	+		6.1.18.3 "address" 6.1.18.14 "telephone"
student phone (Optional) student email	examplestudent@iu.edu	Student email address (SIS)	6.1.18.14 "telephone" 6.1.18.5 "email"
student phone (Optional)	examplestudent@iu.edu	Student email address (SIS)	6.1.18.14 "telephone"
student phone (Optional) Student email student image (Optional) CLR Publisher Data	examplestudent@iu.edu	Student email address (SIS)	6.1.18.14 "telephone" 6.1.18.5 "email"
student phone (Optional) student email student image (Optional)	examplestudent@iu.edu	Student email address (SIS)	6.1.18.14 "telephone" 6.1.18.5 "email"
student phone (Optional) student email student image (Optional) CLR Publisher Data CLR Publisher (General Question) Is there an organization that this issuer belongs to? (e.g. university system)	examplestudent@iu.edu The Issuer is the Office of Enrollment Management (OEM). OEM was authorized		6.1.18.14 "telephone" 6.1.18.5 "email"
student phone (Optional) student email student image (Optional) CLR Publisher Data CLR Publisher (General Question) Is there an organization that this issuer belongs to? (e.g. university system) Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Registrar is the publisher. If not, please provide additional organizational information	The Issuer is the Office of Enrollment Management (OEM). OEM was authorized	l by the Office of the Provost to award the Certificate.	6.1.18.14 "telephone" 6.1.18.6 "email" 6.1.18.7 "image"
student phone (Optional) student email student email student image (Optional) CLR Publisher Data CLR Publisher (General Question) Is there an organization that this issuer belongs to? (e.g. university system) Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Registrar is the publisher. If not, please provide additional organizational information CLR Publisher	The Issuer is the Office of Enrollment Management (OEM). OEM was authorized The Issuer of the credential is the Office of Enrollment Management. The publishe Experience.	by the Office of the Provost to award the Certificate. er is the Office of the Registrar. The validator of attendance/as	6.1.18.14 "telephone" 6.1.18.5 "email" 6.1.18.7 "image".
student phone (Optional) student email student image (Optional) CLR Publisher Data CLR Publisher (General Question) Is there an organization that this issuer belongs to? (e.g. university system) Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Registrar is the publisher. If not, plays provide additional organizational information CLR Publisher Publisher of CLR (Institution, campus, etc.)	The Issuer is the Office of Enrollment Management (OEM). OEM was authorized The Issuer of the credential is the Office of Enrollment Management. The publisht Experience. Office of the Registrar, Indiana University - Bloomington	by the Office of the Provost to award the Certificate. er is the Office of the Registrar. The validator of attendance/as Generated at time of Issue	5.1.18.14 "telephone" 5.1.13.5 "small" 5.1.13.5 "smale" 5.1.18.7 "image" ssessment is the Office of First Year 5.1.18.8 "name"
student phone (Optional) student email student email student image (Optional) CLR Publisher Data CLR Publisher (General Question) Is there an organization that this issuer belongs to? (e.g. university system) Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Registrar is the publisher. If not, please provide additional organizational information CLR Publisher	The Issuer is the Office of Enrollment Management (OEM). OEM was authorized The Issuer of the credential is the Office of Enrollment Management. The publishe Experience.	by the Office of the Provost to award the Certificate. er is the Office of the Registrar. The validator of attendance/as	6.1.18.14 "telephone" 6.1.18.5 "email" 6.1.18.7 "image".
student phone (Optional) student email student image (Optional) CLR Publisher Data CLR Publisher (General Question) Is there an organization that this issuer belongs to? (e.g. university system) Is the issuer of the credential also the publisher? For example, a school may be the sisser of the credential also the Registrar is the publisher. If not, pleas provide additional organizational information CLR Publisher Publisher of CLR (Institution, campus, etc.) Issuer address, telephone, email, Parent Organization Issuer image/logo	The Issuer is the Office of Enrollment Management (OEM). OEM was authorized The Issuer of the credential is the Office of Enrollment Management. The publisht Experience. Office of the Registrar, Indiana University - Bloomington Student Central (Voice), Registrar address, no email Office of Enrollment Management	by the Office of the Provost to award the Certificate. er is the Office of the Registrar. The validator of attendance/as Generated at time of Issue Generated at time of Issue	5.1.18.14 "telephone" 5.1.13.5 "email" 5.1.18.7 "image" 5.1.18.7 "image" 5.1.18.8 "name" 5.1.18.8 "name" 5.1.18.3 "address" 6.1.23.15"parertOrg" 5.1.18.7 "image"
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Achievement, Assertion and Association Data Achievement 1(General questions)			
Achievement ((General questions)			
What is the criteria for earning this achievement?	6 (or more) qualifying engagements support the award of the Hoosier Experies	nce Award.	
Does this achievement have a possible range of results or a specific type of			
result (e.g. assessment score within a range)?	No		
Is this achievement aligned to a skill or standard available in a framework?			
Describe.	No		
Is this achievement endorsed by a third party? Describe.	No		
Is an image associated with this achievement?	Yes, but not included or exchanged currently. The fulfiller already has the ima	ge/logo.	
achievement or prerequisite? Describe.	No		
	Response	Source of Data	CLR Class Description
Achievement 1 (CLR Mapping)		· · · · · · · · · · · · · · · · · · ·	
Achievement (Name)	First Year Experience Hoosier Experience Achievement Award	on tables)	6.1.1.10 "name"
Achievement Description	First Year Experience Hoosier Experience Award - Official Description	IUFYEHEA Description (Registrar staging tables)	6.1.1.7 "description"
Achievement Type (See 2nd tab)	Award	Generated at time of Issue	6.1.1.2 "type"
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	Office of Efficienters Wallagemers, address, dri	Cenerated at time of 133de	1 - 1
Human Code (Optional)			6.1.1.9 "humanCode"
Credits (if applicable)			6.1.1.6 "creditsAvailable"
Credits (ii applicable)			0.1.1.0 CreditsAvailable
Alignments (e.g., CASE)			6.1.1.4 "alignments"
Level (if applicable)			6.1.1.14 "level"
			j
Extensions (e.g., School/Department Name, etc.) - Please explain			6.1.1.20 "extensions"
Achievement 1 Assertion			
(awarding achievement to a specific learner)			
Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assessed			
the achievement)?	The Office of Enrollment Services		
Is a start and end date associated with this achievement?	No, only an earned/issue date.		
Is a license number issued with this assertion?	No		
What are the learner's specific results?	Awarded		
	L .		
What evidence is submitted by the learner?	None		
Did the learner have a specific role or title with this achievement (e.g.			
President, Intern, Captain, etc.)	No		
Does a third party endorse this assertion?	No		
Does this assertion expire at a certain date or after a specific time period?	No V		
Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked?	Yes	Source of Data	CI R Class Description
Can this assertion be revoked ?		Source of Data	CLR Class Description
Can this assertion be revoked? Assertions (CLR Mapping)	Yes		
Can this assertion be revoked ?	Yes Response	Generated at time of Issue	CLR Class Description
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner)	Yes Response Learner	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolt-	6.1.5.12 "recipient"
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned)	Yes Response	Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement"
Can this assertion be revoked ? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.)	Yes Response Learner	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolt-	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence"
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Licerse (if Applicable)	Yes Response Learner	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolt-	6.1.5.12 "recipient". 6.1.5.3 "achievement". 6.1.5.7 "evidence". 6.1.5.10 "licenseNumber".
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (If appropriate - e.g., President, clvic advocate, etc.)	Yes Response Learner First Year Experience Hoosier Experience Award	Generated at time of issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables)	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.16 "role",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Licerse (if Applicable)	Yes Response Learner	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolt-	6.1.5.12 "recipient". 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.16 "role", 6.1.5.9 "ssuedOn",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits	Yes Response Learner First Year Experience Hoosier Experience Award	Generated at time of issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables)	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.16 "role", 6.1.5.16 "role", 6.1.5.3 "recidisEamed",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn)	Yes Response Learner First Year Experience Hoosier Experience Award	Generated at time of issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables)	6.1.5.12 "recipient". 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.16 "role", 6.1.5.9 "ssuedOn",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate a.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.)	Yes Response Learner First Year Experience Hoosier Experience Award	Generated at time of issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables)	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.16 "licenseNumber", 6.1.5.16 "licenseNumber", 6.1.5.16 "creditsEarned", 6.1.5.18 "source",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Surce (Internship, etc.) Start Date (if needed) End Date (if Needed) Can his assertion be revoked?	Yes Response Learner First Year Experience Hoosier Experience Award	Generated at time of issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables)	6.1.5.12 "recipient", 6.1.5.3 "achievement", 5.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "log", 6.1.5.9 "issuedOn", 6.1.5.4 "creditsEarned", 6.1.5.18 "source", 6.1.5.19 "stanDate", 6.1.5.15 "endDate", 6.1.5.15 "endobate", 6.1.5.15 "evoked"
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed)	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient". 6.1.5.3 "achievement", 6.1.5.7 "evidence" 6.1.5.10 "iscenseNumber" 6.1.5.16 "role", 6.1.5.18 "ssued'On" 6.1.5.18 "source", 6.1.5.18 "source", 6.1.5.5 "startDate", 6.1.5.5 "entDate",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Retirement) Achievement ID (Achievement earried) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Results Section	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "issuedOn", 6.1.5.4 "recibits amed", 6.1.5.4 "recibits amed", 6.1.5.19 "startDate", 6.1.5.19 "startDate", 6.1.5.5 "enObate", 6.1.5.15 "revoked", 6.1.5.3 "achievement",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Surce (Internship, etc.) Slart Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "fole", 6.1.5.9 "issuedOn", 6.1.5.4 "creditsEarned", 6.1.5.19 "stanDate", 6.1.5.15 "evidence", 6.1.5.15 "revoked", 6.1.5.3 "achievement", 6.1.20.7 "requiredValue",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Rosult Description	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient". 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "icol", 6.1.5.9 "issuedOn", 6.1.5.4 "creditsEamed", 6.1.5.19 "issuedDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.5 "achievement", 6.1.5.5 "achievement", 6.1.5.5 "resulDescription",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Slart Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Result Value Result Description Alignments	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "fole", 6.1.5.9 "issuedOn", 6.1.5.4 "creditsEarned", 6.1.5.19 "stanDate", 6.1.5.15 "evidence", 6.1.5.15 "revoked", 6.1.5.3 "achievement", 6.1.20.7 "requiredValue",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Rosult Description	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient". 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "icol", 6.1.5.9 "issuedOn", 6.1.5.4 "creditsEamed", 6.1.5.19 "issuedDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.5 "achievement", 6.1.5.5 "achievement", 6.1.5.5 "resulDescription",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Slart Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Result Value Result Description Alignments	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient". 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "icol", 6.1.5.9 "issuedOn", 6.1.5.4 "creditsEamed", 6.1.5.19 "issuedDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.5 "achievement", 6.1.5.5 "achievement", 6.1.5.5 "resulDescription",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate a.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Slart Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Result Value Rosult Description Alignments Extensions (as needed - please explain)	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.16 "licenseNumber", 6.1.5.9 "issuedOn", 6.1.5.9 "issuedOn", 6.1.5.18 "source", 6.1.5.19 "stantDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.3 "achievement", 6.1.5.5 "revoked", 6.1.5.5 "revoked", 6.1.5.5 "revoked", 6.1.5.5 "source "control of the control of the con
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Result Value Result Section Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient". 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "icol", 6.1.5.9 "issuedOn", 6.1.5.4 "creditsEamed", 6.1.5.19 "issuedDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.5 "achievement", 6.1.5.5 "achievement", 6.1.5.5 "resulDescription",
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Result Value Result Description Alignments Extensions (as needed - please explain)	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.16 "local", 6.1.5.2 "creditsEamed", 6.1.5.18 "source", 6.1.5.18 "source", 6.1.5.5 "endDate", 6.1.5.5 "endDate", 6.1.5.6 "achievement", 6.1.5.7 "achievement", 6.1.20.7 "requiredValue", 6.1.9.5 "resultDescription", 6.1.20.3 "alionments"
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) End Date (if Needed) Extensions (as needed) Results Section Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "startDate", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "startDa
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Extensions (as needed) Results Section Result Value Result Value Result Value Result Value Associations (CLR Mapping) Achievement Type Target ID	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "startDate", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "startDa
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) End Date (if Needed) Extensions (as needed) Results Section Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "startDate", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "startDa
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Licerse (if Applicable) Role (if appropriate - e.g., President, chic advocate, etc.) Date issued (issuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can his assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "sasuedOn", 6.1.5.10 "recylored SasuedOn", 6.1.5.10 "recyloredValue", 6.1.5.10 "sasuedOn", 6.1.5.10 "sas
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Berner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Surce (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Alignments Extensions (as reeded - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Awarded Awarded None None	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "sasuedOn", 6.1.5.10 "recylored SasuedOn", 6.1.5.10 "recyloredValue", 6.1.5.10 "sasuedOn", 6.1.5.10 "sas
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Licerse (if Applicable) Role (if appropriate - e.g., President, chic advocate, etc.) Date issued (IssuedOri) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can his assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Algrments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded None and Association Data (row 46) as mand Association Data (row 46) as mand Association Data (row 46) as mand Achievements 2 - 7 (General questions) - Student E	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "sasuedOn", 6.1.5.10 "recylored SasuedOn", 6.1.5.10 "recyloredValue", 6.1.5.10 "sasuedOn", 6.1.5.10 "sas
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Jearner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Licerse (if Applicable) Role (if appropriate - e.g., President, chic advocate, etc.) Date issued (IssuedOri) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Can his assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Algrments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Does this achievement have a possible range of result (e.g., assessment score within a range)? Stim Star Description or a specific type of result (e.g., assessment score within a range)?	Yes Response Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded None and Association Data (row 46) as mand Association Data (row 46) as mand Association Data (row 46) as mand Achievements 2 - 7 (General questions) - Student E	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "startDate", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "startDa
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Surce (Internship, etc.) Slant Date (if needod) End Date (if Needod) Can the assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework? Describe.	Yes Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded None Achievements 2 - 7 (General questions) - Student E Validated student attendance and/or assessment No	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "startDate", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "startDa
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Bearner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if heeded) End Date (if heeded) End Date (if heeded) Can this assertion be revoked? Extensions (as needed) Results Section Result Value Result Description Algorments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Est this achievement aligned to a sid or standard? is a third party? Describe.	Yes Learner First Year Experience Hoosier Experience Award Issue Date Issue Date Yes Awarded Awarded None Achievements 2 - 7 (General questions) - Student E Validated student attendance and/or assessment No No	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "startDate", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "startDa
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Jearner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Licerse (if Applicable) Role (if appropriate - e.g., President, chic advocate, etc.) Date issued (IssuedOri) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Can his assertion be revoked? Extensions (as needed) Result Value Result Description Algrments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Does this achievement aligned to a skill or standard available in a framework? Describe, is ni image associated with this achievement? Is this achievement associated with this achievement? Standard associated with this achievement? Standard associated with this achievement? Standard associated with this achievement?	Yes Learner First Year Experience Hoosier Experience Award Issue Date Issue Date Yes Awarded Awarded None Achievements 2 - 7 (General questions) - Student E Validated student attendance and/or assessment No No No	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "startDate", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "recylored", 6.1.5.10 "startDate", 6.1.5.10 "startDa
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Surce (Internship, etc.) Start Date (if needed) End Date (if Needed) Can the assertion be revoked? Extensions (as needed) Result Section Result Value Result Section Result Pales (Please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework? Describe.	Yes Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded None Achievements 2 - 7 (General questions) - Student E Validated student attendance and/or assessment No No No No	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licensaNumber", 6.1.5.16 "licensaNumber", 6.1.5.16 "licensaNumber", 6.1.5.16 "succed", 6.1.5.18 "succed", 6.1.5.18 "succed", 6.1.5.19 "stanDate", 6.1.5.5 "encloate", 6.1.5.5 "achievement", 6.1.20.7 "required/value", 6.1.9.5 "resultDescription", 6.1.20.3 "alionments", 6.1.6.2 "sassociationType", 6.1.6.2 "tarcetid", RRECORD.
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if needed) End Date (if needed) End Date (if needed) Results Section Result Value Result Value Result Section Result Value Resul	Yes Learner First Year Experience Hoosier Experience Award Issue Date Issue Date Yes Awarded Awarded None Achievements 2 - 7 (General questions) - Student E Validated student attendance and/or assessment No No No	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "licenseNumber", 6.1.5.10 "sasuedOn", 6.1.5.10 "recylored SasuedOn", 6.1.5.10 "recyloredValue", 6.1.5.10 "sasuedOn", 6.1.5.10 "sas
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Can his assertion be revoked? Extensions (as needed) Results Section Result Value Result Obscription Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement Type Target ID Repeat achievement? Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range) Is this achievement aligned to a skill or stardard? available in a framework? Describe. Is an image associated with this achievement? Est his achievement associated with his achievement? Est his achievement associated with a manufaction achievement and achievement and achievement achievement and achievement ach	Yes Learner First Year Experience Hoosier Experience Award Issue Date Issue Date Yes Yes Awarded Awarded None n and Association Data (row 46) as many actions and suderst attendance and/or assessment No No No No Response	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Achievement = 'FYE, Achievement Skills = 'xxxx', Description (SIS Bolton) Source of Data Achievement = 'FYE, Achievement Skills = 'xxxx', Description (SIS Bolton)	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licenseNumber", 6.1.5.16 "licenseNumber", 6.1.5.16 "licenseNumber", 6.1.5.16 "licenseNumber", 6.1.5.16 "source", 6.1.5.19 "stanDate", 6.1.5.15 "revoked", 6.1.5.3 "achievement", 6.1.20.7 "requiredValue", 6.1.20.3 "alignments", 6.1.6.1 "associationType", 6.1.6.2 "tamostid", 6.1.6.2 "tamostid", CLR Class Description
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate e.g., President, civic advocate, etc.) Date issued (issuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Result Osscription Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of result (e.g., assessment score within a range) is this achievement aligned to a skill or standard available in a framework? Describe. Is an image associated with his achievement? Et his achievement especiated as third party? Describe. Is an image associated with his achievement?	Yes Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded None Achievements 2 - 7 (General questions) - Student E Validated student attendance and/or assessment No No No No	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "licensaNumber", 6.1.5.16 "licensaNumber", 6.1.5.16 "licensaNumber", 6.1.5.16 "succed", 6.1.5.18 "succed", 6.1.5.18 "succed", 6.1.5.19 "stanDate", 6.1.5.5 "encloate", 6.1.5.5 "achievement", 6.1.20.7 "required/value", 6.1.9.5 "resultDescription", 6.1.20.3 "alionments", 6.1.6.2 "sassociationType", 6.1.6.2 "tarcetid", RRECORD.
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can his assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Describe. Is an image associated with this achievement such as a sub-achievement development Is this achievement edorsed by a third party? Describe. Is an image associated with this achievement such as a sub-achievement or persequiality? Describe. Achievement 2 (CLR Mapping) Achievement (Name)	Yes Learner Learner First Year Experience Hoosier Experience Award Issue Date Yes Yes Awarded Awarded None n and Association Data (row 46) as many achievements 2 - 7 (General questions) - Student E Validated student attendance and/or assessment No No No No Response Engagement Name	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Achievement = FYE, Achievement Skills = 'xxxx', Description (SIS Bolton tables) Achievement = FYE, Achievement Skills = 'xxxx', Title (SIS Bolton)	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "local", 6.1.5.6 "issuedOn", 6.1.5.18 "issuedOn", 6.1.5.19 "stanDate", 6.1.5.19 "stanDate", 6.1.5.15 "revoked", 6.1.5.3 "achievement", 6.1.20.7 "requiredValue", 6.1.20.3 "alignments", 6.1.6.1 "associationType", 6.1.6.2 "taroatid", CLR Class Description 6.1.1.10 "name"
Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate e.g., President, chic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Result Value Result Obscription Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Assertio What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? St this achievement aligned to a skill or standard available in a framework? Describe. Is ni mage associated with this achievement? Est ins achievement associated with another achievement such as a sub-achievement or perceptionel? Describe.	Yes Learner First Year Experience Hoosier Experience Award Issue Date Issue Date Yes Yes Awarded Awarded None n and Association Data (row 46) as many actions and suderst attendance and/or assessment No No No No Response	Generated at time of Issue Experience Category = 'CERT', Achievement = FYE, Description (SIS Bolton tables) Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient", 6.1.5.3 "achievement", 6.1.5.7 "evidence", 6.1.5.10 "iscenseNumber", 6.1.5.16 "log", 6.1.5.8 "issuedOn", 6.1.5.9 "issuedOn", 6.1.5.18 "saurce", 6.1.5.19 "stanDate", 6.1.5.15 "revoked", 6.1.5.3 "achievement", 6.1.20.7 "requiredValue", 6.1.20.3 "alignments", 6.1.6.1 "associationType", 6.1.6.2 "taroatid", CLR Class Description

Issuer of Achievement (address, etc.)	Office of First Year Experience, address, Voice, url	Generated at time of Issue	6.1.1.13 "issuer"
Human Code (Optional)			6.1.1.9 "humanCode"
Credits (if applicable)			6.1.1.6 "creditsAvailable"
Alignments (e.g., CASE)			6.1.1.4 "alignments"
Level (if applicable)			6.1.1.14 "level"
Extensions (e.g., School/Department Name, etc.) - Please explain			6.1.1.20 "extensions"
Achievement 2 Assertion			O. I. I.20 EXICISIONS
(awarding achievement to a specific learner)			
Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assessed			
the achievement)?	Office of First Year Experience		
Is a start and end date associated with this achievement?	No, only an attended date		
Is a license number issued with this assertion?	No		
What are the learner's specific results?	Attended		
What evidence is submitted by the learner?	None		
Did the learner have a specific role or title with this achievement (e.g.			
President, Intern, Captain, etc.)	No		
Does a third party endorse this assertion?	No		
Does this assertion expire at a certain date or after a specific time period?	No		
Can this assertion be revoked?	No		
	Response		OLD Olese Description
	Response	Source of Data	CLR Class Description
Assertions (CLR Mapping)	Response	Source of Data	CLR Class Description
Assertions (CLR Mapping) Recipient ID (learner)	Learner	Generated at time of Issue	6.1.5.12 "recipient"
Recipient ID (learner) Achievement ID (Achievement earned)	Learner	Generated at time of Issue Achievement = 'FYE', Achievement Skills = 'xxxx', Description (SIS Bolt-	6.1.5.12 "recipient" 6.1.5.3 "achievement"
Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.)	Learner	Generated at time of Issue Achievement = 'FYE', Achievement Skills = 'xxxx', Description (SIS Bolt-	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable)	Learner	Generated at time of Issue Achievement = 'FYE', Achievement Skills = 'xxxx', Description (SIS Bolt-	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.)	Learner	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx", Description (SIS Botton tables)	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.)	Learner Engagement Name	Generated at time of Issue Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton)	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (issuedOn)	Learner	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx", Description (SIS Botton tables)	6.1.5.12 "recipient". 6.1.5.3 "achievement". 6.1.5.7 "evidence". 6.1.5.10 "licenseNumber". 6.1.5.16 "role". 6.1.5.9 "issuedOn".
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artfacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, cviv: advocate, etc.) Date issued (IssuedOn) Credits	Learner Engagement Name	Generated at time of Issue Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton)	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.)	Learner Engagement Name	Generated at time of Issue Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton)	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artfacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, cvic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed)	Learner Engagement Name	Generated at time of Issue Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton)	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.8 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "statDate"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (issuedOn) Credits Source (internship, etc.) Start Date (if needed) End Date (if Needed)	Learner Engagement Name Event Date	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx", Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx", Description (SIS Bolton tables)	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsFamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL_ Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (issuedOn) Credits Source (interership, etc.) Start Date (if Needed) End Date (if Needed) Cantha sasserion be revoked?	Learner Engagement Name	Generated at time of Issue Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton) Achievement = "FYE", Achievement Skills = 'xxxx' ', Description (SIS Bolton)	6.1.5.12 'recipient' 6.1.5.3 "achievement' 6.1.5.10 'kicenseNumber' 6.1.5.10 'kicenseNumber' 6.1.5.16 'role' 6.1.5.2 'ssudOn' 6.1.5.4 'credits Earned' 5.1.5.18 'sautOsi 6.1.5.5 'errdDate' 6.1.5.5 'errdDate' 6.1.5.5.15 'ervoled'
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Lloense (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internatile, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed)	Learner Engagement Name Event Date	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx", Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx", Description (SIS Bolton tables)	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsFamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate"
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section	Learner Engagement Name Event Date No	Generated at time of Issue Achievement = FYE', Achievement Skills = 1xxxx**. Description (SIS Botton tables) Achievement = 'FYE', Achievement Skills = 1xxxx**. Description (SIS Botton tables) Generated at time of Issue	6.1.5.12 'recipient' 6.1.5.3 'achievement' 6.1.5.7 'evidence' 6.1.5.10 'licenseNumber' 6.1.5.10 'losenseNumber' 6.1.5.9 'issuedOn' 6.1.5.4 'creditsEarned' 6.1.5.18 'soure' 6.1.5.18 'soure' 6.1.5.15 'starDate' 6.1.5.15 'sreoked' 6.1.5.15 'sreoked' 6.1.5.15 'sreoked'
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Antifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, cvic advocate, etc.) Date issued (issuedOn) Credits Source (internship, etc.) Start Date (if needed) End Date (if Needed) Canh is assertion be revoked? Extensions (as needed) Result Value	Learner Engagement Name Event Date No Attended	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables)	6.1.5.12 'recipient' 6.1.5.3 "achievement' 6.1.5.10 'licenseNumber' 6.1.5.10 'licenseNumber' 6.1.5.16 'role' 6.1.5.8 'ssued'on' 6.1.5.8 'ssued'on' 6.1.5.13 'ssued'on' 6.1.5.15 'endibate' 6.1.5.15 'recolored' 6.1.5.3 'achievement' 6.1.5.3 'achievement'
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (o.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, cvic advocate, etc.) Date issued (IssuedOn) Credits Source (Internsh), etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensive (as needed) Result Value Result Description	Learner Engagement Name Event Date No	Generated at time of Issue Achievement = FYE', Achievement Skills = 1xxxx**. Description (SIS Botton tables) Achievement = 'FYE', Achievement Skills = 1xxxx**. Description (SIS Botton tables) Generated at time of Issue	5.1.5.12 'recipient' 6.1.5.3 'achievement' 6.1.5.7 'evidence' 6.1.5.10 'licerseNumber' 6.1.5.16 'role' 6.1.5.9 'issuedOn' 6.1.5.4 'rordisEarned' 6.1.5.18 'sourc' 6.1.5.18 'sourc' 6.1.5.5 'eroload' 6.1.5.15 'recoload' 6.1.5.3 'achievement' 6.1.5.3 'achievement' 6.1.5.3 'achievement'
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Learner (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Canth is assertion be revoked? Extensions (as needed) Result Value Result Value Result Value Alignments	Learner Engagement Name Event Date No Attended	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables)	6.1.5.12 'recipient' 6.1.5.3 "achievement' 6.1.5.10 'licenseNumber' 6.1.5.10 'licenseNumber' 6.1.5.16 'role' 6.1.5.8 'ssued'on' 6.1.5.8 'ssued'on' 6.1.5.13 'ssued'on' 6.1.5.15 'endibate' 6.1.5.15 'recolored' 6.1.5.3 'achievement' 6.1.5.3 'achievement'
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Interneth, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Estensive (as readed) Result Section Result Value Result Description	Learner Engagement Name Event Date No Attended	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables)	5.1.5.12 'recipient' 6.1.5.3 'achievement' 6.1.5.7 'evidence' 6.1.5.10 'licerseNumber' 6.1.5.16 'role' 6.1.5.9 'issuedOn' 6.1.5.4 'rordisEarned' 6.1.5.18 'sourc' 6.1.5.18 'sourc' 6.1.5.5 'eroload' 6.1.5.15 'recoload' 6.1.5.3 'achievement' 6.1.5.3 'achievement' 6.1.5.3 'achievement'
Recipient ID (learner) Achievement ID (Achievemant earned) Evidence (e.g., URL_Learning Artifacts, etc.) Learner (if Applicable) Role (if appropriate - e.g., President, cviv. advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Canth is assertion be revoked? Extensions (as needed) Result Value Result Value Alignments	Learner Engagement Name Event Date No Attended	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables)	5.1.5.12 'recipient' 6.1.5.3 'achievement' 6.1.5.7 'evidence' 6.1.5.10 'licerseNumber' 6.1.5.16 'role' 6.1.5.9 'issuedOn' 6.1.5.4 'rordisEarned' 6.1.5.18 'sourc' 6.1.5.18 'sourc' 6.1.5.5 'eroldsta' 6.1.5.5 'eroldsta' 6.1.5.10 'recolared'
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Value Result Obscription Alignments Extensions (as needed - please explain)	Learner Engagement Name Event Date No Attended	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables)	5.1.5.12 'recipient' 6.1.5.3 'achievement' 6.1.5.7 'evidence' 6.1.5.10 'licerseNumber' 6.1.5.16 'role' 6.1.5.9 'issuedOn' 6.1.5.4 'rordisEarned' 6.1.5.18 'sourc' 6.1.5.18 'sourc' 6.1.5.5 'eroldsta' 6.1.5.5 'eroldsta' 6.1.5.10 'recolared'
Recipient ID (learner) Achievement ID (Achievempart earned) Evidence (e.g., URL_Learning Artifacts, etc.) LLearnes (if Applicable) Role (if appropriate - e.g., President, cviv. advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Cant his assertion be revoked? Extensions (as needed) Result Value Result Value Result Description Alignments Extensions (as needed - please explain)	Learner Engagement Name Event Date No Attended Attended	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxxx", Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxxx", Description (SIS Bolton tables) Generated at time of Issue on tables) on tables) on tables)	6.1.5.12 'racipient'. 6.1.5.3 'achievement'. 6.1.5.7 'evidence'. 6.1.5.10 'licenseNumber'. 6.1.5.10 'lose. 6.1.5.10 'reoutredValue'. 6.1.19.5 'resulfDescription'. 6.1.20.3 'alignments'.
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) Learner (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Canth is assertion be revoked? Extensions (as needed) Result Value Result Value Result Value Alignments	Learner Engagement Name Event Date No Attended	Generated at time of Issue Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables) Achievement = "FYE", Achievement Skills = "xxxx" Description (SIS Bolton tables)	5.1.5.12 'recipient' 6.1.5.3 'achievement' 6.1.5.7 'evidence' 6.1.5.10 'licerseNumber' 6.1.5.16 'role' 6.1.5.9 'issuedOn' 6.1.5.4 'rordisEarned' 6.1.5.18 'sourc' 6.1.5.18 'sourc' 6.1.5.5 'eroldsta' 6.1.5.5 'eroldsta' 6.1.5.10 'recolared'

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Example of Hoosier Experience Achievement Award Received by a Third-Party Digital Wallet



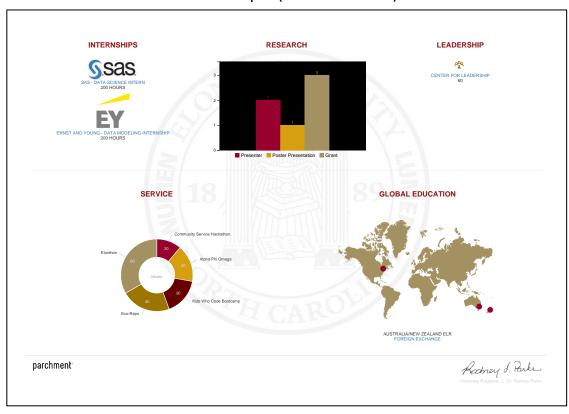
Elon University – Visual Experiential Transcript (Visual EXP)

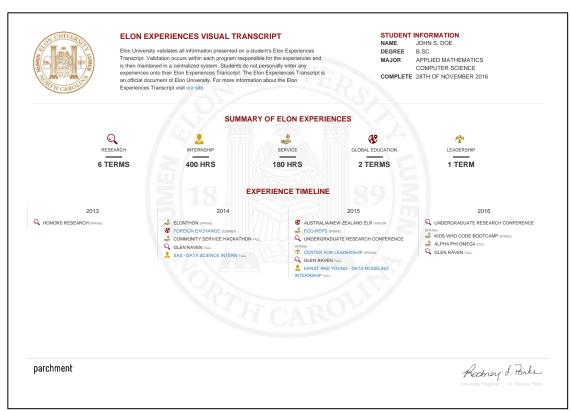
Elon University is a mid-sized private university with approximately 6,000 undergraduate and 800 graduate students. The signature Elon Experiences Programs extend learning beyond the classroom through study abroad, internships, service, leadership, and undergraduate research. Elon believes so strongly in the power of the Elon Experiences that it documents the work on transcripts and requires that all students complete experiential learning as part of the degree program. Elon students graduate with a wealth of real-world experiences that support their transition to life after college and ensure they stand out when applying for a first job or graduate school.

Elon University's Visual Experiential Transcript (Visual EXP) is a significant departure from traditional co-curricular transcripts. Since 1994, the university has been capturing and validating student's co-curricular experiences, and this digital-only document builds upon this foundation by expanding the co-curricular dimensions of Elon students in an accessible and aesthetically pleasing format. Each of the five Elon Experiences (Service, Undergraduate Research, Leadership, Internship, and Global Engagement) is presented as an infographic, and together they are presented chronologically along a four-year timeline. As students engage in experiential opportunities on and off campus, information about those experiences is collected for the student and verified by university faculty and staff.

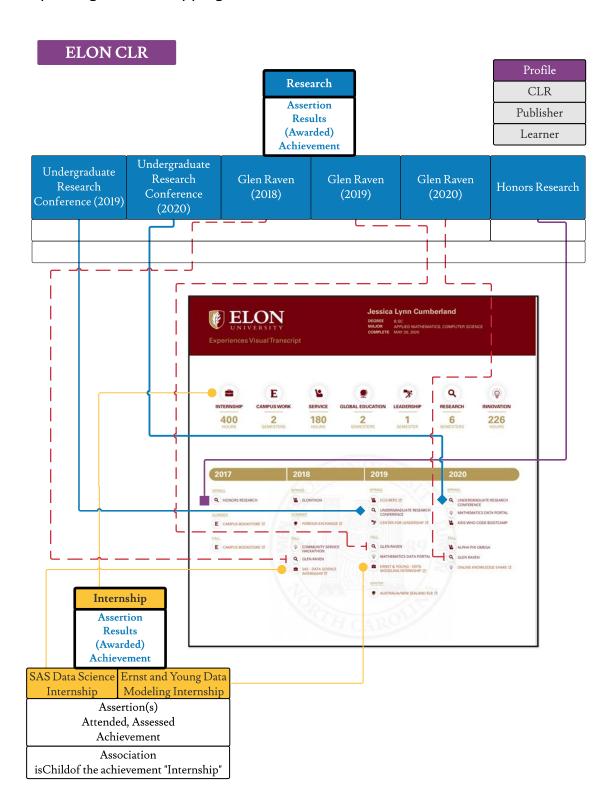
As a completely digital and interactive document, the Visual EXP encourages interaction with the student's record. Unlimited information such as a specific job description, portfolio items, research papers, and other creative media can be linked to one instance of an experience, with no limits on the number of experiences that a student can complete during their time at Elon. Originally designed for undergraduate students, Elon is currently working towards a model for their graduate students, as well.

Elon Visual EXP – Rendered Sample (front and back)





Step 1: High-Level Mapping of Record to CLR Standard Elements



Draft- CLR Campus Planning/Mapping Templa	ite - V1- Draft		
Elon University - Visual Experiential Tran			
Background	Respo	nse	
Author	Rodney F	tarks	
Institution Name	Elon Univ		
Institution Description Learner Description	Elon is a mid-sized private, residential university with approxi Learner is a undergraduate student who has participated in at least one of the E	mately 6,300 undergraduate and 800	graduate students.
Description of Record	Elon University's Visual Experiential Transcript (Visual EXP) is a significant depa	rture from traditional co-curricular tran	scripts. Building upon the institution's
Issuer of Credential	Elon University - Offic	e of the Registrar	
Primary and Secondary Data Repository(ies)	The information displayed on the Visual EXP is stored within Elon's SIS (Ellu	cian Colleague) and present in a trans	cript like format. This data is then
Alignment with Learning Quacome or Competency Standard Credential Rendering	N/A The Visual EXP is a digital certificate that is rendered as a PDF using informatic		
Linconting Handsong Achievement, Assertion and Association General Questions	The visual EXP is a digital certricate that is rendered as a PDF using information	in that is housed in the SIS (E lucian C	colleague) and delivered through the
Activement, Assertion and Association General Questions Who is the issuing authority of the coderbal (State Accreditation (degree), Institution, Campus, School, Department, etc.)?	Elon University - Global Education Center, Kernodle Center for Civic Life, Center	er for Leadership, Student Professions	Development Center, Office of the
Do your archievements (competencies, courses, awards, etc.) have a hierarchical relationship? For example, do competencies roll up to a course or courses roll up to a degree?	Yes, There are 5 Elon experiences under which all achievements can be groupe		
Do any of your achievements "stand alone" i.e. not roll up to a higher order award or achievement?	No, experiences can be rolled into one		
Are there "potential" conceptual levels, chronological segments (such as a term-based header), aggregation points, that need to be represented within the record?	Yes, a term based header or even just		
Does an aspirational award or credential need to be represented in order to structure the events or curriculum supporting II? Examples include, but are not limited to, degree objectives, learning outcomes, certificates, etc.	Not at this time, potentially learn		
In addition to your responses to above, are there other factors constituting to our mapping of records to Achievements and how these achievements neighb to one another? Please describe your mapping to the IMS CIR Achievement Class.	No, experiences are indep The 5 Elon Experiences are the 5 different achievements that can be earn		eroshin Research Leadershin)
Please describe how your achievements are related to one another and how you represented the relationship via the Association Class.	The related learning experiences are the children of the act	lievements, but are independent of ot	her experiences.
Please describe if you added any additional information to the Assertion class beyond matching learner and achievement? For example, honors notations, learning artifacts, etc.	This includes job descriptions of positions, learning artifacts, company logos, ge	ographical maps, and hopefully in the	future potential learning outcomes of
GLR Record / Package			
	Response	Source of Data	CLR Class Description
Type BaucoON	CLR Date	Default Generated at the time of Issue	6.1.7 "Cir" class 6.1.7 5 SecuredOn"
ISSUSCOUN Extension (e.g., internal tracking request number, etc.) - Sejdom used but if used please explain	DAW	Commenced at the time of page	S. I. I. ISSUEDICII
Learner Data			
Family name	Family Name	Last Name (SIS)	6.1.18.8 "name"
Given name	Given Name	Preferred Name (SIS)	6.1.18.8 "name" 6.1.18.8 "name"
Additional name (e.g. related name) student (i) the institutional)	4004503	Student Identification Number (SIS)	6.1.18.8 "name" 6.1.18.13 "studentid"
sudent Li (una (Corinal)) student Li (una (Corinal))	1234567	Student Identification Number (SIS)	TRD
student address (Optional) - includes struck, locally, region, country, postakode			6.1.18.3 "address"
student phone (Optional)			6.1.18.14 "telephone"
student email	student@elon.edu	student email address (SIS)	6.1.18.5 "email" 6.1.18.7 "image"
Student image (Optional) CLR Publisher Data			6.1.18.7 "mage"
CLR Vulgisher Data CLR publisher (General Question)			
Is there an organization that this issuer belongs to? (e.g. university system)	Ejon Univ	ersity	
Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Registrar is the publisher. If not, please provide additional organization information	The Publisher of the credential is the Office of the Registrar. The issuer/validator	is one of the following : Global Educa	tion Center, Kernodle Center for Civic
CLR Publisher			
Issuer of CLR (Institution, campus, etc.)	Office of the Registrar - Elon University 100 Campus Drive, Elon, NC 27244 336-278-6677	Generated at the time of Issue Generated at the time of Issue	6.1.18.8 "name" 6.1.18.3 "address"
Issuer address, telephone remail, web URI. Issuer image, togo.	100 Campus Drive, Ejon, NC 27244 336-278-6677	Generated at the time of Issue	6.1.18.3 'address'
Issuer URL	www.elon.edu/registrar	Generated at the time of Issue	6.1.18.15 "urf"
Achievement, Assertion and Association Data			
Achievement (number) (General questions)			
Achievement (number) (General questions) Whils it the critical for aming this subviewment??	Participation in a study abroad/stu	udy away course or program	
Achievement (number) (General quastions) Description is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of result (op, assessment score within a range)?	No.	udy away course or program	
Adhievement (number) (deneral quastions) What is the critatria for samply this achievement? Does this achievement have a possible in organ of results or a specific type of result (e.g., assessment score within a range)? Exist schowmont of part is a self or traderior analysis in a riferament of Describe.	No No	udy away course or program	
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Abbrevement fraumbar / (denout quastions) What is the client for sensity has policyment for a goodfu lipe of read in a, a sessioner store within a range)? Clear in a schoement rive a popular large of read in a, a sessioner store within a range)? De a good comment described by a first graft / Describe. De a good comment described by a first graft / Describe.	No.		
Addressment funded: (Security quantities) Only to be Centiler because the security that addressment and the reason of the security that the Centiler because the security that addressment address a security that the security tha	No No No No	udy away course or program Source of Data	CLR Class Description
Adherement (number) (Mental quasificat) One is a schedule for sample as collevened? Does it as chickens for these possible story of result or is specific type of road (e.g. assessment score within a range)? It is a schedulent depart to said or state that an explaint a relative to a specific type of road (e.g. assessment score within a range)? It is a schedulent depart to said or state that an explaint a relative to a relative to the said or state that the said of the schedule is a relative to the said of the schedule and th	No N		
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Addressment flumbor (Glora depastica) Only in the celebrat because plus applications of the control of the co	No N	Source of Data	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.2 "type" 6.1.1.13 "issuer"
Adherement (Bumber) (Cl.El Mageing)	No N	Source of Data	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.2 "type" 6.1.1.13 "issuer" 6.1.1.19 "humanCode"
Adherenment (Bumber) (All Magaing) Achievement (Bumber) (All Magaing)	No N	Source of Data	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.2 "type" 6.1.1.13 "issuer" 6.1.1.9 "humanCode" 6.1.1.6 "creditsAvailable"
Addressment flamebri (General quasticus) Only to be cellable because) that an extensive consequence of the	No N	Source of Data	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.2 "type" 6.1.1.3 "issuer" 6.1.1.9 "humanCode" 6.1.1.6 "creditsAvalable" 6.1.1.4 "alapments"
Adherenment framebor (Memority quantitional) What is no client to extraor plans polysomerous (Memority quantitional) What is no client to extraor plans plans polysomerous (Memority quantitional) What is no financial to the polysomerous (Memority Companies) But an interpretation of the plans of the p	No N	Source of Data	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.2 "type" 6.1.1.13 "issuer" 6.1.1.9 "humanCode" 6.1.1.6 "creditsAvailable"
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Adherement (Bumbe) (All Magning) Achievement (Bumb	No.	Source of Data	6.1.1.10 "name" 6.1.1.17 "description" 6.1.1.2 "type" 6.1.1.13 "sssur" 6.1.1.13 "sssur" 6.1.1.14 "alianments" 6.1.1.14 "laval" 6.1.1.12 "extensions"
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	License (If Applicable) Role (If appropriate - e.g., President, dvic advacate, etc.) Oate issued (IssuedOn)	Date		6.1.5.10 "IcenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn"
	Credits Source (Internship, etc.)	Credits		6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate"
	Start Date (if needed) End Date (if Needed) Can this assertion be revoked?	No.		6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.15 "revoked"
Results Section	Extensions (as needed)	School attended, countries visited		6.1.5.3 "achievement"
	Results Type Result Velue Result Description	Attended Attended Eerm in which student participated in Global Engagement		6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.19.5 "resultDescription
	Aligoments Extensions (as needed - please explain)	restit it witch stoces paraupates it caccar engagemen.		6.1.20.3 "alignments"
associations (CLR Mapping)				
	Achievement Type Target ID	isChildof Global Engagement		6.1.6.1 "associationType" 6.1.6.2 "targetki"
Achievement, Assertion and Association Data Achievement (number) (Connet questions)	Repeat Achievement, Assertion and Association Data (row Note - Only 1 instance of each Achievement is needed if the achievement t	(47) as many times as needed to reflect your CLR Record. (type repeats (e.g., individual engagements, Courses, Competencies, etc.)		
chlevement (number) (General questions) that is the criteria for earning this achievement? ces this achievement have a possible range of results or a specific type of result.		Service is conducted through a van	riety of student organizations, and courses on co	ampus
oes this achievement have a possible range or results or a specific type of result. This achievement aligned to a skill or standard available in a framework? Describ this achievement endorsed by a third party? Describe.	e.g. assessment score within a range)?		No No No	
an image associated with this achievement? This achievement associated with another achievement such as a sub-achievem	ent or prerequisite? Describe.		tialy - Organization Logo No	land a
chievement (Number) (CLR Mapping)	Achievement (Name)	Response Service Learning	Source of Data	CLR Class Description 6.1.1.10 "name"
	Achievement Description Achievement Type (See 2nd tab)	Service is conducted through a variety of student organiz Go-Curricular	zations, SIS SIS	6.1.1.7 "description" 6.1.1.2 "type"
	Issuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional)	Elon University - Kernodle Center for Civic Life		6.1.1.13 "issuer" 6.1.1.9 "humanCode"
	Credits (if applicable) Alignments (e.g., CASE)	Yes, if a course, Hours if not		6.1.1.6 "creditsAvalable" 6.1.1.4 "alignments"
chievement (Number) Assertion	Level (if applicable) Extensions (e.g., School/Department Name, etc.) - Please explain			6.1.1.14 "level" 6.1.1.20 "extensions"
ssertions (General Questions) hall early it the source of this assertion (e.g., org. or person that assessed the act a start and end date associated with this achievement? a license number issued with this assertion? And orbly is the source of this assertion (e.g., org. or person that assessed the ach half orbly is the source of this assertion (e.g., org. or person that assessed the ach assertions are sourced or the assertion (e.g., org. or person that assessed the ach assertions are sourced that assertion (e.g., org. org. org.).			e Center for Civic Life/ Office of the Registrar yes no	
that are the learner's specific results? That evidence is submitted by the learner?			rs if course, hours volunteered Possible workbook	
Did the learner have a specific role or tile with this achievement (e.g. President, Int Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period?	out, copiest, ctc.;		Possibly No No	
Can this assertion be revoked?		Response	No Source of Data	CLR Class Description
Assertions (CLR Mapping)	Recipient ID (learner)		1234567	6.1.5.12 "recipient"
	Achievement 10 (Achievement earned) Evidence (e.g., URL, Learney Artfacts, etc.) License (If Applicable)	Service Learning workbook		6.1.5.7 "evidence" 6.1.5.10 "IcenseNumber"
	Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn)	Role Date		6.1.5.16 "role" 6.1.5.9 "issuedOn"
	Credits Source (Internship, etc.)	Credits, Hours		6.1.5.4 "creditsEarned" 6.1.5.18 "source"
	Start Date (if needed) End Date (if Needed)			6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.15 "revoked"
esults Section	Can this assertion be revoked? Extensions (as needed)	Organization volunteered with		6.1,5,3 "achievement"
	Results Type Result Value	Result Hours, Credit		6.1.20.8 "resultType" 6.1.20.7 "requiredValue"
	Result Description Alignments			6.1.19.5 "resultDescription 6.1.20.3 "alignments"
	Extensions (as needed - please explain) Achievement Type	isChildor		6.1.6.1 "associationType"
ichlevement, Assertion and Association Data Ichlevement (number) (General questions)	Target ID	Service Learning		6.1.6.2 "targetid"
Mhal is the criteria for earning this achievement? Joes this achievement have a possible range of results or a specific type of result.	(a n accassmant sonna within a ranna V	Students register for a credit bearing cour	rse to be paired with an internship with an exter	mal company
s this achievement aligned to a skill or standard available in a framework? Describ			no	
is this achievement endorsed by a third party? Describe. Is an image associated with this achievement?		Poter	No intially - Company Logo	
s this achievement associated with another achievement such as a sub-achievem	ant or prerequisite? Describe.	Response	No Source of Data	CLR Class Description
Achievement (Number) (CLR Mapping)	Achievement (Name) Achievement Description	Internship Outside Internship	sis	6.1.1.10 "name" 6.1.1.7 "description"
	Achievement Type (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined))	Co-Curricular Elon University - Office of the Registrar / Student Professional Develo	sįs	6.1.1.2 "type" 6.1.1.13 "issuer"
	Human Code (Optional) Credits (if applicable)	Yes		6.1.1.9 "humanCode" 6.1.1.6 "creditsAvailable"
	Algaments (e.g., CASE) Level (if applicable) Extensions (e.g., School/Department Name, etc.) - Please explain	Company Mome, number of house		6.1.1.4 "alignments" 6.1.1.14 "level" 6.1.1.20 "extensions"
chierement (Number) Assertion ssertions (General Questions)	Extensions (e.g., school/department reams, sid.) - Plasse explain	Company Name, number of hours		D. I. I.ZO GREENSKIIS.
That entity is the source of this assertion (e.g. org or person that assessed the act a start and end date associated with this achievement?	tierement)?	Elen University - Office of the	e Registrar / Student Professional Development yes	t
a license number issued with this assertion? That entity is the source of this assertion (e.g. org or person that assessed the act	lievement)?		no	
that are the learner's specific results? That evidence is submitted by the learner?		Possible p	Credit hours, Grade presentation, job description,	
id the learner have a specific role or tile with this achievement (e.g. President, Int ces a third party endorse this assertion? ces this assertion expire at a certain date or after a specific time period?	em, Captain, etc.)		Possibly No No	
an this assertion be revoked?		Response	No Source of Data	CLR Class Description
ssertions (CLR Mapping)	Recipient ID (liserner)		1234567	6.1.5.12 "recipient"
	Achievement ID (Achievement earned) Evidence (e.g. URL Learning Additions, etc.)	internship presentation, graphic element 6.1.18.7		6.1.5.3 "achievement" 6.1.5.7 "evidence"
	License (if Applicable) Role (if appropriate - a.g., President, tokic advecate, etc.) Date issue(if (issuedOn)	Role Date		6.1.5.10 "IcenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn"
	Gredits	hours/credit		6.1.5.4 "creditsEamed" 6.1.5.18 "source"
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tech Setto	Start Date (if needed)	No Company worked for, job descriptions		6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement"
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Evidence (e.g., URL, Learning Artifacts, etc.)	presentation, paper, outcomes		6.1.5.7 "evidence"
License (If Applicable)			6.1.5.10 "licenseNumber"
Roje (if appropriate - e.g., President, chric advocate, etc.)			6.1.5.16 "role"
Date issued (IssuedOn)	Date		6.1.5.9 "issuedOn"
Credits	Credit		6,1,5,4 "creditsEarned"
Source (Internship, etc.)			6.1.5.18 "source"
Start Date (if needed)			6.1.5.19 "startDate"
End Date (if Needed)			6.1.5.5 "endDate"
Can this assertion be revoked?	No.		6.1.5.15 "revoked"
Extensions (as needed)	Research Title, Faculty Mentor, Publications		6.1.5.3 "achievement"
Results Section			
Results Type	Result	_	6.1.20.8 "resultType"
Result Value	Grade		6,1,20,7 "requiredValue"
Result Description			6.1.19.5 "resultDescription"
A Apparents Entensions (as neaded belease explein)			6.1.20.3 "alignments"
Commonts (as neuron Typo Albertannia (as neuron Typo			6,1,6,1 "associationType"
Acnevement type Taroet ID	isChildof Research		6,1,6,1 "association type" 6,1,6,2 "targettd"
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Achievement, Assertion and Association Data Achievement (number) (Ceneral questions)		_	

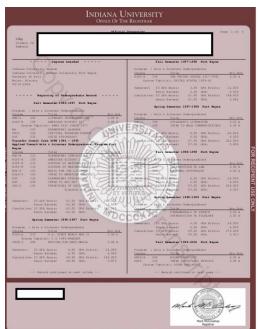
What is the criteria for earning this achievement?	Students hold a leadership role in	an internal or external organization.	
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)?		no	
Is this achievement aligned to a skill or standard available in a framework? Describe.		no No	
Is this achievement endorsed by a third party? Describe.			
Is an image associated with this achievement? Is this achievement associated with another achievement such as a sub-achievement or prerequisite? Describe.		entially No	
is an achievement associated with another achievement such as a sub-achievement or prerequisite? Leadurine.	Response	No Source of Data	CLR Class Description
The state of the s	response	source or pata	Out Opins Description
Achievement (Number) (CLR Mapping) Achievement (Name)			6.1.1.10 "name"
Achievement Description Achievement Description	Leadership		6.1.1.7 "description"
	Student holds a leadership role in an organization	SIS	6.1.1.2 "type"
Advisorance (Tsper (See 2nd tab) Issuer of Advisorance (Tsper (See 2nd tab)	Co-Curricular Elon University - Center for Leadership	SIS	6.1.1.12 Type: 6.1.1.13 "issuer"
Issuer of Acrement (Issuer Dr. (Imenaty Gerned)) Havenan Code (Odional)	Elon University - Center for Leadership		6.1.1.9 "humanCode"
		_	6.1.1.6 "creditsAvailable"
Credix (if applicable)			6.1.1.4 "alignments"
			6.1.1.14 Tevel
Lever(if applicable) Extensions (e.g., School Department Name, etc.) - Please exclain	Organization name		6.1.1.20 "extensions"
Achievement (Number) Assertion	Organization name		U.I. I.ZU BARRISOIS
Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assessed the achievement)?	Charles and a	Center for Leadership	
This start and end date associated with this achievement? Is a start and end date associated with this achievement?		res	
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p at perman number account with the assertion (e.g., org or person that assessed the achievement)? What entity is source of the assertion (e.g., org or person that assessed the achievement)?		10	
What are the same's social results? What are the same's social results?		tole	
vivis or o we relieve to special results: What evidence is a special results: What evidence is submitted by the learner?			
	100		
		kbook	
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Did the learner have a specific role or this with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion?		kbook res No	
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Indiana University Bloomington – Academic Record (Transcript)

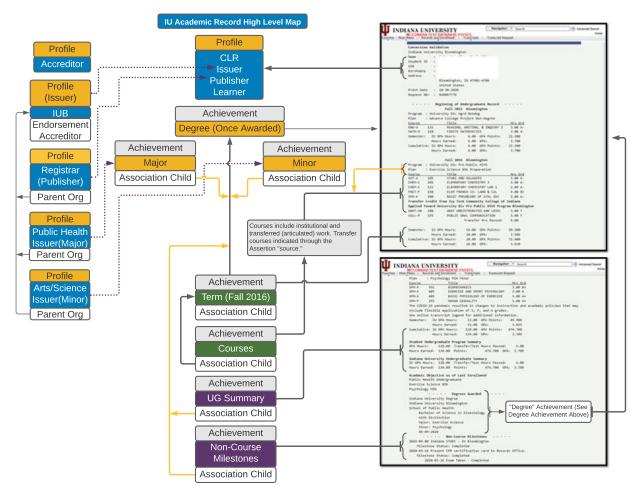
The Indiana University Academic Record (Transcript) is the traditional document to reflect the academic history of a student enrolled at the institution. The transcript below includes a test student who received a degree, with a major and minor, a semester of courses including transfer work, statistical summaries at both the semester and the record level and some identity management information

In the context of the IMS Global CLR standard, the record is expressed with **Achievement/Assertions** for "Degree", "Term", "Course", "Major", "Minor", "Undergraduate Summary" and a non-course "milestone". All **Achievement/Assertions** are tied together via **Associations**. Authority attribution is conveyed via **Profiles** for the Major and Minor Schools, Registrar, IUB and Accreditor. All **Profiles** (except the Accreditor) are connected using the *isParentof* attribute of the **Profile**.

Academic Record (Transcript) – Rendered Sample



Step 1: High-Level Mapping of Record to CLR Standard Elements



	- CLR Campus Planning/Mapping T	emplate - V1- Draft	
	Indiana University Academic Tr		
Background		Response	
uthor	Mark McConahay	•	
	Indiana University - Bloomington		
stitution Name		2.4.0.4	
stitution Description earner Description	4 year +, Public, Large, Residential, Research 1, Enrollment ~42,000. Part of a S Learner is a 4 year residential full time/part time_undergraduate, graduate or prof		e student is an undergraduate who has rec
ull/part time, traditional, dual credit, etc.) escription of Record	a degree with a minor.		•
o-curricular record, engagement record, transcript, etc.)	The Student Academic Record - Transcript.		
suer of Credential nstitution, Campus, School, Other unit on campus, etc.)	Indiana University - Bloomington		
imary and Secondary Data Repository(ies) e.g., SIS, Bolt-on tables to SIS, LMS, Local Developed, Vended, etc.)	Oracle: PeopleSoft Campus Solutions 9.2 - Student Administration		
ignment with Learning Outcome or Competency Standard	None		
edential Rendering	Transcript: Printed and electronic PDF		
.g., Digital Badge, Digital Certificate, PDF, etc.)	maiscript. Frinted and electronic F Di		
ho is the issuing authority of the credential (State Accreditation (degree),	Indiana University - Bloomington (IUB) is accredited by the Higher Learning Com	nmission. In the IUB Profile, the Higher Education Commissi	on is represented as an Endorsement. For
stitution, Campus, School, Department, etc.)?	Majors and Minors awarded by academic schools and departments, they are exp	pressed as Profiles and have IUB as a parent org.	·
your achievements (competencies, courses, awards, etc.) have a vrarchical relationship? For example, do competencies roll up to a course courses roll up to a degree?	Yes: Achievements are used in this mapping to represent contextual and aggregare all represented as achievements. The resulting relationship is: Course is a	ation aspects of the student record. Thus, the Term, Major, Mi child of Term; Term, Major, Minor, Statistics are children of the	inor, and Summary statistics (GPA summar a Degree/Academic Objective,
o any of your achievements "stand alone" i.e. not roll up to a higher order vard or achievement? If your achievements can be both (that is stand alone	In general, the hierarchy above governs achievements. However, there are insta	ances (e.g. notations degrees certificates etc.) that could be	asserted independently and may not be a
ND support a higher level award), please explain.	of the Degree.	and to the second secon	asserted independently und may not be a
re there "potential" conceptual levels, chronological segments (such as a rm-based header), aggregation points, that need to be represented within			
e record?	Yes: Term based header to group courses and aggregate/assert term based sun	nmary statistics.	
pes an aspirational award or credential need to be represented in order to ructure the events or curriculum supporting it? Examples include, but are			
t limited to, degree objectives (student major), higher level learning tcomes e.g., critical thinking), certificates, etc.	Yes: Generally, courses on the transcript are provided context under the academ	nic degree objective of the student,	
addition to your responses to above, are there other factors constituting to r mapping of records to Achievements and how these achievements relate one another?			
ease describe your mapping to the IMS CLR Achievement Class.	The mapping is guided by the hierarchy: Course -> Term -> Degree or Academic Objective	c Objective (Major) Term, Course; Summary Statistics and No	n-Term Milestone -> Degree or Academic
ease describe how your achievements are related to one another and how	Course is a child of Term. Term is a child of Degree/Objective. Summary	y Statistics(GPA) is child of Degree/Objective. Minor and	d the Non-Curse Milestone can be a ch
ou represented the relationship via the Association Class.	of the Degree/Objective or stand alone as separate credentials.		
lease describe if you added any additional information to the Assertion ass beyond matching learner and achievement? For example, honors			
stations, learning artifacts, etc.			
LR Record / Package			
	Response	Source of Data	CLR Class Description
Type IssuedON	CLR Print Date	Default Generated at time of Issue	6.1.7 "Clr" class 6.1.7.5 "issuedOn"
xtension (e.g., internal tracking request number, etc.) - Seldom used but if	Internal Request Number	SIS Generated at time of Issue	0.1.7.0 lasticuon
earner Profile			
Family name	Student Preferred Name	SIS	6.1.18.8 "name"
Given name	Student Preferred Name	SIS	6.1.18.8 "name"
Additional name (e.g. middle name)			6,1,18,8 "name"
student ID (Institutional)	Internal Student ID Number	SIS	6.1.18.13 "studentId"
	DD/MM of Birthday	SIS	TBD
student birthdate (Optional)			
student birthdate (Optional) student address (Optional) - includes street, locality, region, country, postalcode	Student Home Address	SIS	6,1,18,3 "address"
student address (Optional) - includes street, locality, region, country, postalcode student phone (Optional)	Student home/Cell Phone	SIS SIS	6.1.18.14 "telephone"
student address (Optional) - includes street, locality, region, country, postalocode student phone (Optional) student phane (Optional)	Student home/Cell Phone NA		6.1.18.14 "telephone" 6.1.18.5 "email"
student address (Optional) - includes street, locality, region, country, postalocide student phone (Optional) student email student image (Optional)	Student home/Cell Phone		6.1.18.14 "telephone"
student address (Optional) - includes street, locality, region, country, postalecode student phone (Optional) student email student image (Optional)	Student home/Cell Phone NA		6.1.18.14 "telephone" 6.1.18.5 "email"
student address (Optional) - includes street, locality, region, country, postalocode student phone (Optional) student email student image (Optional)	Student home/Cell Phone NA		6.1.18.14 "telephone" 6.1.18.5 "email"
student address (Optional) - includes street, locality, region, country, postalocode student phone (Optional) student email	Student home/Cell Phone NA		6.1.18.14 "telephone" 6.1.18.5 "email"
student address (Optional) - includes street, locality, region, country, postaloode student phone (Optional) student email student image (Optional) LR Publisher Data LR Publisher General Question) there an organization that this issuer belongs to? (e.g. university system) the issuer of the credential also the publisher? For example, a school may	Student home/Cell Phone NA NA NA		6.1.18.14 "telephone" 6.1.18.5 "email"
student address (Optional) - includes street, locality, region, country, postaleode student phone (Optional) student email student image (Optional) R Publisher Data R Publisher (General Question) there an organization that this issuer belongs to? (e.g. university system) the issuer of the credential also the publisher? For example, a school may the issuer of the credential, but the Registrar is the publisher. If not, sase provide additional organization information	Student home/Cell Phone NA NA NA		6.1.18.14 "telephone" 6.1.18.5 "email"
student address (Optional) - includes street, locality, region, country, poetalcode student phone (Optional) student email student image (Optional) R Publisher Data R Publisher (General Question) there an organization that this issuer belongs to? (e.g. university system) the issuer of the credential also the publisher? For example, a school may the issuer of the credential, but the Registrar is the publisher. If not, is asseptively additional organization information R Publisher Profile	Student home/Cell Phone NA NA The Registrar is a unit on the Indiana University Bloomington Campus No: The Institution issues the transcript, The publisher is IUB Registrar	SIS	6.1.18.14 "telephone" 6.1.18.5 "email" 6.1.18.7 "image"
student address (Optional) - includes street, locality, region, country, postalcode student phone (Optional) student phone (Optional) student image (Optional) R Publisher Data R Publisher (General Question) there an organization that this issuer belongs to? (e.g. university system) the issuer of the credential also the publisher? For example, a school may the issuer of the credential also the publisher? For example, a school may the issuer of the credential, but the Registrar is the publisher. If not, asse provide additional organization information R Publisher Profile Publisher of CLR (Institution, campus, etc.)	Student home/Cell Phone NA NA NA The Registrar is a unit on the Indiana University Bloomington Campus No: The Institution issues the transcript, The publisher is IUB Registrar Office of the Registrar	SIS Generated at time of Issue	6.1.18.14 "telephone" 6.1.18.5 "email" 6.1.18.7 "image" 8.1.18.7 "image"
student address (Optional) - includes street, locality, region, country, postalcode student phone (Optional) student email student image (Optional) R Publisher Data R Publisher General Question) there an organization that this issuer belongs to? (e.g. university system) the issuer of the credential also the publisher? For example, a school may the issuer of the credential. but the Registrar is the publisher. If not, are provide additional organization information R Publisher Profile	Student home/Cell Phone NA NA The Registrar is a unit on the Indiana University Bloomington Campus No: The Institution issues the transcript, The publisher is IUB Registrar	SIS	6.1.18.14 "telephone" 6.1.18.5 "email" 6.1.18.7 "image"
student address (Optional) - includes street, locality, region, country, postalization (Optional) student produce (Optional) student email student image (Optional) R Publisher Data R Publisher (General Question) here an organization that this issuer belongs to? (e.g., university system) he issuer of the credential also the publisher? For example, a school may the issuer of the credential, but the Registrar is the publisher. If not, assep provide additional organization information R Publisher Potile Publisher of CLR (Institution, campus, etc.) Issuer imagellogo Parent Organization	Student home/Cell Phone NA NA The Registrar is a unit on the Indiana University Bloomington Campus No: The Institution issues the transcript, The publisher is IUB Registrar Office of the Registrar 408 N Union, Phone: USSS, transcripts@iu.edu, transcripts.iu.edu Indiana University Bloomington	SIS Generated at time of Issue Generated at time of Issue	6.1.18.14 "telephone" 6.1.18,5 "email" 6.1.18.7 "image" 6.1.18.8 "name" 6.1.18.3 "address" 6.1.18.7 "image" 6.1.23,15" parentiord"
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Issuer image/logo	URL here		6.1.18.7 "image"
Issuer URL	Indiana University: Transcript Explanations - All Campus	Generated at time of Issue	6.1.18.15 "url"
Major Issuer (General Question)			
Is there an organization that this issuer belongs to? (e.g. university system)	School of Public Health is the Issuer of the Major. The School is a unit of Indiana	University Bloomington	
Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Registrar is the publisher. If not,			
please provide additional organization information	No: The Institution issues the transcript. The publisher is IUB Registrar		
Major Issuer			
Issuer of the Major	School of Public Health	Generated at time of Issue	6.1.18.8 "name"
Issuer address, telephone, email, web URL	Bloomington, IN 47405	Generated at time of Issue	6,1,18,3 "address"
Parent Organization	Indiana University Bloomington		6.1.23.15"parentOrg"
Issuer image/logo	URL here		6.1.18.7 "image"
Issuer URL	https://publichealth.indiana.edu/	Generated at time of Issue	6.1.18.15 "url"
Major Issuer (General Question)			
s there an organization that this issuer belongs to? (e.g. university system)	College of Arts and sciences is the Issuer of the Minor. The School is a unit of Ind	liana University Bloomington	
s the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Registrar is the publisher. If not,			
lease provide additional organization information	No: The Institution issues the transcript. The publisher is IUB Registrar		
fajor Issuer			
Issuer of the Major	School of Public Health	Generated at time of Issue	6.1.18.8 "name"
Issuer address, telephone, email, web URL	Bloomington, IN 47405	Generated at time of Issue	6,1,18,3 "address"
B	I		0.4.00.45" 10.5
Parent Organization	Indiana University Bloomington		6.1.23.15"parentOrg"
Issuer image/logo	URL here		6.1.18.7 "image"
Issuer URL	https://publichealth.indiana.edu/	Generated at time of Issue	6.1.18.15 "url"
schievement, Assertion and Association Data			
Achievement (Degree) A48:L88 (General questions)			
What is the criteria for earning this achievement?	Degree Requirements as defined by Institution and School: e.g., 120 credit hours	, GPA>2.0, etc.	
	· ·		•
Does this achievement have a possible range of results or a specific type of	No. 0		
result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework?	No. Generally it is achieved or not awarded. There may be "honors" associated we have a sociated when the social section is achieved or not awarded. There may be "honors" associated when the social section is achieved or not awarded. There may be "honors" associated when the social section is achieved or not awarded.	with the award.	
Is this achievement endorsed by a third party? Describe.	Yes: The Higher Learning Commission and the Indiana Commission of Higher Ed	Lugation	
s an image associated with this achievement?	No	deation	
s this achievement associated with another achievement such as a sub-			
	No		
chievement or overequisite? Describe	No Response	Source of Data	CLR Class Description
rhiavament or recensisite? Rescribe	Response	Source of Data	CLR Class Description
rhievement or menenvisite? Rescribe		Source of Data	CLR Class Description
Achievement (Name)	Response	Source of Data	CLR Class Description 6.1.1.10 "name"
Achievement (Name) Achievement Description	Response Achievement (Degree)	Source of Data SIS	
	Response Achievement (Degree) Degree		6.1.1.10 "name"
Achievement Description	Response Achievement (Degree) Degree Bachelor of Science in Kinesiology	SIS	6.1.1.10 "name" 6.1.1.7 "description"
Achievement Description Achievement Type (See 2nd tab)	Response Achievement (Degree) Degree Bachelor of Science in Kinesiology Degree Indiana University Bloomington	SIS Generated at time of Issue	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.13 "issue" 6.1.1.19 "humanCode"
Achievement Description Achievement Type (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional) Result Description	Achievement (Degree) Degree Bachelor of Science in Kinesiology Degree	SIS Generated at time of Issue SIS SIS	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.13 "ssuer" 6.1.1.9 "humanCode" 6.1.19.5 "resultDescription"
Achievement Description Achievement Type (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional) Result Description Result Description	Response Achievement (Degree) Degree Bachelor of Science in Kinesiology Degree Indiana University Bloomington Awarded Honors	SIS Generated at time of Issue SIS SIS SIS SIS	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.13 "issuer" 6.1.1.9 "humanCode" 6.1.19.5 "resultDescription" 6.1.19.5 "resultDescription"
Achievement Description Achievement Type (See 2nd tab) ssuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional) Result Description Result Description Field of Study	Response Achievement (Degree) Degree Bachelor of Science in Kinesiology Degree Indiana University Bloomington Awarded	SIS Generated at time of Issue SIS SIS	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.3 "issue" 6.1.1.9 "humanCode" 6.1.1.9 "humanCode" 6.1.1.9.5 "resultDescription" 6.1.1.1 "fieldO'Study"
Achievement Description Achievement Type (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional) Result Description Result Description Field of Study Oredits (if applicable)	Response Achievement (Degree) Degree Bachelor of Science in Kinesiology Degree Indiana University Bloomington Awarded Honors	SIS Generated at time of Issue SIS SIS SIS SIS	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.13 "issuer" 6.1.1.9 "humanCode" 6.1.1.9.5 "resultDescription" 6.1.1.9.1.1 "feld/Study" 6.1.1.6 "creditsAvailable"
Achievement Description Achievement Type (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional) Result Description Result Description Field of Study Credits (if applicable) Alignments (e.g., CASE)	Response Achievement (Degree) Degree Bachelor of Science in Kinesiology Degree Indiana University Bloomington Awarded Honors Exercise Science	SIS Generated at time of Issue SIS SIS SIS SIS SIS SIS	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.13 "issuer" 6.1.1.9 "humanCode" 6.1.19.5 "resultDescription" 6.1.19.5 "resultDescription" 6.1.1.11 "fieldOfStudy" 6.1.1.6 "creditsAvailable" 6.1.1.4 "alignments"
Achievement Description Achievement Type (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional) Result Description Result Description Field of Study Oredits (if applicable)	Response Achievement (Degree) Degree Bachelor of Science in Kinesiology Degree Indiana University Bloomington Awarded Honors	SIS Generated at time of Issue SIS SIS SIS SIS	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.13 "issuer" 6.1.1.9 "humanCode" 6.1.1.9.5 "resultDescription" 6.1.1.9.1.1 "feld/Study" 6.1.1.6 "creditsAvailable"
Achievement Description Achievement Type (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional) Result Description Result Description Field of Study Credits (if applicable) Alignments (e.g., CASE) Level (if applicable)	Response Achievement (Degree) Degree Bachelor of Science in Kinesiology Degree Indiana University Bloomington Awarded Honors Exercise Science	SIS Generated at time of Issue SIS SIS SIS SIS SIS SIS	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.13 "issuer" 6.1.1.9 "humanCode" 6.1.19.5 "resultDescription" 6.1.19.5 "resultDescription" 6.1.1.11 "fieldOfStudy" 6.1.1.6 "creditsAvailable" 6.1.1.4 "alignments"
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Endorsements			
	Accreditation url		
Credits	None		6.1.5.4 "creditsEarned"
Source (Internship, etc.)	None		6.1.5.18 "source"
Start Date (if needed)	None		6.1.5.19 "startDate"
End Date (if Needed)	None		6,1,5,5 "endDate"
Can this assertion be revoked?	Yes	Generated at time of Issue	6.1.5.15 "revoked"
Extensions (as needed)			6.1.5.3 "achievement"
Results Section			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value	Awarded	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments	None		6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - Awarded	Distinction	Generated at time of Issue per the SIS	6,1,20,7 "requiredValue"
Alignments	None		6.1.20.3 "alignments"
Extensions (as needed - please explain)			
	Achievement (Term)		
	110111011011101111111111111111111111111		
What is the criteria for earning this achievement?	Enroll in a semester or Term of Instruction		
That is the streng in a saming the solution.	Enrolling contests of form of instruction		
Does this achievement have a possible range of results or a specific type of			
result (e.g. assessment score within a range)?	Yes - the term tracks the number of credits and summary statistics earned by the	e student during the time period defined.	
Is this achievement aligned to a skill or standard available in a framework? Describe.	None		
Is this achievement endorsed by a third party? Describe.	Indiana University - Bloomington, But since this is the issuer, no need for endo	Johnson,	
Is an image associated with this achievement? Is this achievement associated with another achievement such as a sub-	No .		
achievement or prerequisite? Describe.	Yes. The achievement describes a advancement step in the achievement of the		
	Response	Source of Data	CLR Class Description
Achievement (Term) (CLR Mapping)			
Achievement (Name)	Term		6.1.1.10 "name"
Achievement Description	Fall 2016 Bloomington	SIS	6.1.1.7 "description"
Achievement Type (See 2nd tab)	Other	Generated at time of Issue	6.1.1.3 "achievementType"
Issuer of Achievement (Issuer ID (Internally defined))	Indiana University Bloomington		6.1.1.13 "issuer"
Human Code (Optional)	inulatia Oniversity Dicontington	SIS	6.1.1.9 "humanCode"
			6.1.1.6 "creditsAvailable"
Credits (if applicable)	_		
Result Description	Program	SIS	6.1.19.5 "resultDescription"
Result Description	Plan	SIS	6.1.19.5 "resultDescription"
Result Description	Semester IU GPA Hours	SIS	6.1.19.5 "resultDescription"
Result Description	Semester IU GPA Pts	SIS	6,1,19,5 "resultDescription"
Result Description	Semester Hours Earned	SIS	6.1.19.5 "resultDescription"
Result Description	Cumulative GPA Hours	SIS	6.1.19.5 "resultDescription"
Result Description	Cumulative GPA Pts	SIS	6,1,19,5 "resultDescription"
Result Description	Cumulative Hours Earned	sis	6.1.19.5 "resultDescription"
Result Description	Semester GPA	SIS	6.1.19.5 "resultDescription"
Result Description	Cumulative GPA	SIS	6,1,19,5 "resultDescription"
Alignments (e.g., CASE)			6.1.1.4 "alignments"
Level (if applicable)		SIS	6,1,1,14 " eve "
Extensions (as needed)			
A-bi			
Achievement (Term) Assertion (awarding achievement to a specific learner)			
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the achievement)? Is a start and end date associated with this achievement? Is a license number issued with this assertion? What are the learner's specific results?	Term Dates No Term Summary Statistics		
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Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - Semester IU GPA Pts	50.2	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments	None	Constituted at time of tables	6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - Semester Hours Earned	14	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments	None		6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - Semester GPA	3.586	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments Extensions (as needed - please explain)	None		6.1.20.3 "alignments"
Extensions (as needed please explain)			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - Cumulative GPA Hours	20	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments	None		6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - Cumulative GPA Pts	72.4	Generated at time of Issue	6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Alignments Extensions (as needed - please explain)	None		6.1.20.3 alignments
extensions (as mosses - please explain)			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value- Cumulative Hours Earned	26	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments	None		6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - Cumulative GPA	3.62	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments Extensions (as needed - please explain)	None		6,1,20,3 "alignments"
Extensions (as needed - please explain)			L
ssociations (Term)			
Achievement Type	IsChildOf	Generated at time of Issue	6.1.6.1 "associationType"
Target ID	Degree	Generated at time of Issue	6.1.6.2 "targetId"
	Achievement (Course AST-	A 105)	
That is the extends for coming this achievement?		,	
That is the criteria for earning this achievement? oes this achievement have a possible range of results or a specific type o	Enroll and earn a grade in a course.		
sult (e.g. assessment score within a range)?	Yes - Credit hours (may be a range) and a specific set of Assessment values (g	grades).	
this achievement aligned to a skill or standard available in a framework?	None		
this achievement aligned to a skill or standard available in a framework? escribe.	None Indiana University Bloomington		
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his achievement aligned to a skill or standard available in a framework? sins achievement endorsed by a third party? Describe. his achievement endorsed by a third party? Describe. his achievement associated with this achievement such as a sub- ievement or prerequisite? Describe. Achievement (Pourse AST-A 105) Achievement (Name) Achievement (Pourse AST-A 105) Achievement (Issuer ID (Internally defined)) Human Code (Optional) Credits (if applicable) Result Description Alignments (e.g., CASE) Level (if applicable) Extensions (as needed) hievement (Course AST-A 105) Assertion arding achievement to a specific learner) sections (Coneral Questions) at entity is the source of this assertion (e.g. org or person that assessed achievement)? Il Cense number issued with this achievement? Il Cense number issued with this assertion? at are the learner have a specific role or title with this achievement (e.g. addient, Intern. Capilan, dic.) se it his assertion? as a third party endorse this assertion? Settions - Course AST-A 105 Recipient ID (learner) Achievement ID ID (Achievement anned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, etc.) Sart Date (if needed) End Date (if needed) Can this assertion te revoked?	Indiana University Bloomington No Yes. The achievement describes a component of a Term. Response Topics include constellations, gravity, radiation, the Sun, structure and evolution of stars, neutron stars and black holes, the Mility Way galaxy, normal galaxies, active galaxies, quasars, cosmology, and the search for extraterrestrial life. Course Indiana University Bloomington ASTA 105 3 Grade Undergraduate Undergraduate Indiana University Bloomington, Instructor Term Dates No Grade None None None None None None None None None Print Date None None Print Date None Term'Session Start Date Term'Session End Date	SIS Generated at time of Issue SIS SIS SIS SIS SIS SIS SIS SIS SIS SI	6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType 6.1.1.13 "ashevementType 6.1.1.9 "humanCode" 6.1.1.9 "humanCode" 6.1.1.9 "resultDescription 6.1.1.4 "alignments" 6.1.1.14 "level" 6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.16 "role "for substitution of the force of th

Alignments Extensions (as needed - please explain)	None		6.1.20.3 "alignments"
Associations (Course AST-A 105)			L
Achievement Type	IsChildOf	Generated at time of Issue	6.1.6.1 "associationType"
Target ID	Term	Generated at time of Issue	6.1.6.2 "targetId"
	Achievement (Course Chem	n-C 101)	
hat is the criteria for earning this achievement?	Enroll and earn a grade in a course.		
pes this achievement have a possible range of results or a specific type of			
sult (e.g. assessment score within a range)? this achievement aligned to a skill or standard available in a framework?	Yes - Credit hours (may be a range) and a specific set of Assessment values	(grades).	
scribe.	None		
this achievement endorsed by a third party? Describe.	Indiana University Bloomington		
an image associated with this achievement?	No		
this achievement associated with another achievement such as a sub- hievement or prerequisite? Describe.	Yes. The achievement describes a component of a Term.		
	Response	Source of Data	CLR Class Description
chievement (Course CHEM-C 101)			
Achievement (Name)	Elementary Chemistry 1	SIS	6.1.1.10 "name"
	Essential principles of chemistry, atomic and molecular structure, bonding, properties and reactions of elements and compounds, stoichiometry,		
Ashiousment Description	solutions, and acids and bases. For students who are not planning careers	SIS	6.1.1.7 "description"
Achievement Description Achievement Type (See 2nd tab)	in the sciences and for those with no previous course work in chemistry. Course	Generated at time of Issue	6.1.1.3 "achievementType"
Issuer of Achievement (Issuer ID (Internally defined))	Indiana University Bloomington	SIS	6.1.1.13 "issuer"
Human Code (Optional)	CHEM-C 101	SIS	6.1.1.9 "humanCode"
Credits (if applicable)	3	SIS	6.1.1.6 "creditsAvailable"
Result Description	Grade	SIS	6,1,19,5 "resultDescription"
Alignments (e.g., CASE)			6.1.1.4 "alignments"
Level (if applicable)	Undergraduate	SIS	6.1.1.14 "level"
Extensions (as needed)			
chievement (Course CHEM-C 101) Assertion warding achievement to a specific learner)			
ssertions (General Questions)			
hat entity is the source of this assertion (e.g. org or person that assessed	Jediana University Planarianton Justo 111		
e achievement)? a start and end date associated with this achievement?	Indiana University Bloomington, Instructor Term Dates		
a license number issued with this assertion?	No No		
That are the learner's specific results?	Grade		
That evidence is submitted by the learner?	None		
id the learner have a specific role or title with this achievement (e.g.			
resident, Intern, Captain, etc.) oes a third party endorse this assertion?	None		
oes this assertion expire at a certain date or after a specific time period?	No.		
an this assertion be revoked?	Yes (extreme cases or mistake)		
	Response	Source of Data	CLR Class Description
ssertions - CHEM-C 101			
Recipient ID (learner)	ID	Generated at time of Issue	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	CHEM-C 101		6,1,5,3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)	None		6.1.5.7 "evidence"
License (If Applicable)	None		6.1.5.10 "licenseNumber"
	None		6,1,5,16 "role"
Role (if appropriate - e.g., President, civic advocate, etc.)			
Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn)	Print Date	SIS	6.1.5.9 "issuedOn"
		sis	
Date issued (IssuedOn)	Print Date	SIS	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source"
Date issued (IssuedOn) Credits Souce (Intenship, etc.) Start Date (if needed)	Print Date None None Term/Session Start Date	sis	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed)	Print Date None None Term/Session Start Date Term/Session End Date	SIS SIS	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate"
Date issued (IssuedOn) Credits Surce (Intentship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked?	Print Date None None Term/Session Start Date	sis	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "ervoked"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed)	Print Date None None Term/Session Start Date Term/Session End Date	SIS SIS	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esuits Section	Print Date None None Term/Session Start Date Term/Session End Date Yes	SIS SIS Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esults Section Results Type	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade	SIS SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.5.3 "achievement"
Date issued (IssuedOn) Crodits Source (Intenship, etc.) Start Date (If needed) End Date (If needed) Can this assertion be revoked? Extensions (as needed) esuits Section Result Value - Grade	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A-	SIS SIS Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esults Section Results Type	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade	SIS SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "rendDate" 6.1.5.5 "rendDate" 6.1.5.3 "achievement" 6.1.6.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue"
Date issued (IssuedOn) Crodits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esuits Section Result Value - Grade Alignments Extensions (as needed - please explain)	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A-	SIS SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "rendDate" 6.1.5.5 "rendDate" 6.1.5.3 "achievement" 6.1.6.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue"
Date issued (IssuedOn) Crodits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esuits Section Result Value - Grade Alignments Extensions (as needed - please explain)	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A-	SIS SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.2.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Date issued (IssuedOn) Crodits Source (Internship, etc.) Start Date (if needed) End Date (if needed) Can this assertion be revoked? Extensions (as needed) esuits Section Result Value - Grade Alignments Extensions (as needed - please explain)	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None IsChildOf Term	SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 5.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "revoked" 6.1.5.5 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.3 "alignments"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value - Grade Alignments Extensions (as needed - please explain) Societions (AST-A 105) Achievement Type	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None IsChildOf Term	SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.2.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (Intereded) End Date (I Needed) Can this assertion be revoked? Extensions (as needed) esuits Section Result Type Result Value - Grade Alignments Extensions (as needed - please explain) ssocietions (AST-A 105) Achievement Type Target ID	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None IsChidof Term Achievement (Course Chem	SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.2.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Date issued (IssuedOn) Crodits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esuits Section Result Type Result Value - Grade Alignments Extensions (as needed - please explain) ssociations (AST-A 105) Achievement Type Target ID	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None IsChildof Term Achievement (Course Chem Enroll and earn a grade in a course.	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.2.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Date issued (IssuedOn) Crodits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Extensions (as needed) Result Value - Grade Alignments Extensions (as needed - please explain) Societions (AST-A 105) Achievement Type Target ID Pat is the criteria for earning this achievement? One still cep., assessment score within a rangel? Extension raigned to a skill or standard available in a framework?	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None Ischildof Term Achievement (Course Chem Enroll and earn a grade in a course. Yes - Credit hours (may be a range) and a specific set of Assessment values	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.2.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esuits Section Result Value - Grade Alignments Extensions (as needed - please explain) ssocietions (AST-A 105) Achievement Type Target ID that is the criteria for earning this achievement? est the sachievement have a possible range of results or a specific type of suit (e.g. assessment score within a rangel?) this achievement aligned to a skill or standard available in a framework?	Print Date None None Term/Session Start Date Term/Session End Date Term/Session End Date Yes LetterGrade A- None IsChildOf Term Achievement (Course Chem Enroll and earn a grade in a course. Yes - Credit hours (may be a range) and a specific set of Assessment values None	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.2.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) ssults Section Result Value - Grade Alignments Extensions (as needed - please explain) ssociations (AST-A 105) Achievement Type Target ID that is the criteria for earning this achievement? cost this achievement have a possible range of results or a specific type of sult (e.g., assessment score within a range)? this achievement aligned to a skill or standard available in a framework? sscribe.	Print Date None None Term/Session Start Date Term/Session End Date Term/Session End Date Yes LetterGrade A- None IsChildOf Term Achievement (Course Chem Enroll and earn a grade in a course, Yes - Credit hours (may be a range) and a specific set of Assessment values None Indiana University Bloomington	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.2.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Date issued (IssuedOn) Crodits Source (Internship, etc.) Start Date (If needed) End Date (If needed) Can this assertion be revoked? Extensions (as needed) seults Section Result Value - Grade Alignments Extensions (as needed - please explain) ssociations (AST-A 105) Achievement Type Target ID hat is the criteria for earning this achievement? ses this achievement acrow within a rangel? this achievement aligned to a skill or standard available in a framework? service.	Print Date None None Term/Session Start Date Term/Session End Date Term/Session End Date Yes LetterGrade A- None IsChildof Term Achievement (Course Chem Enroll and earn a grade in a course. Yes - Credit hours (may be a range) and a specific set of Assessment values None Indiana University Bloomington No	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.6.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.2.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esuits Section Result Value - Grade Alignments Extensions (as needed - please explain) ssocietions (AST-A 105) Achievement Type Target ID that is the criteria for earning this achievement? est the sachievement have a possible range of results or a specific type of suit (e.g. assessment score within a rangel?) this achievement aligned to a skill or standard available in a framework?	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None IsChildOf Term Achievement (Course Chen Enroll and earn a grade in a course. Yes - Credit hours (may be a range) and a specific set of Assessment values None Indiana University Bloomington No Yes. The achievement describes a component of a Term.	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "reddbate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.3 "alignments" 6.1.6.2 "targetId" 6.1.6.2 "targetId"
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Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Sults Section Result Value - Grade Alignments Extensions (as needed - please explain) sociations (ASTA 105) Achievement Type Target ID Achievement Type Target ID and is the criteria for earning this achievement? es this achievement aligned to a skill or standard available in a framework? sults abecement aligned to a skill or standard available in a framework? sults. Achievement Description Achievement (Course CHEM-C 121) Achievement (Posser ID) Result Value - Grade (Special) Level (if applicable) Extensions (as needed - please explain) Societions (ASTA 105) Achievement (Name) Achievement (Posser ID) Achievement (Course CHEM-C 121) Result (Special) Level (if applicable) Result Value - Grade (Special) Extensions (as needed) Achievement (Gauss or Achievement (Special) Level (if applicable) Extensions (as needed)	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None Lischidof Term Achievement (Course Chem Enroll and earn a grade in a course. Yes - Credit hours (may be a range) and a specific set of Assessment values None Indiana University Bloomington No Yes. The achievement describes a component of a Term. Response Elementary Chemistry Lab 1 Introduction to the techniques and reasoning of experimental chemistry. Emphasis is given to study of physical and chemical properties of inorganic compounds. Course Indiana University Bloomington CHEM-C 121 3 Grade	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS SIS SIS SIS SIS SIS SIS SIS	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "startDate" 6.1.5.15 "rendDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.3 "resultType" 6.1.20.3 "elignments" 6.1.6.1 "associationType" 6.1.6.2 "largeltd" 6.1.1.10 "name" 6.1.1.13 "achievement" 6.1.1.13 "achievementType" 6.1.1.13 "achievementType" 6.1.1.13 "largeltd" 6.1.1.15 "creditsAvailable" 6.1.1.9.5 "resultDescription" 6.1.1.14 "alianments"
Date issued (IssuedOn) Credits Source (Internship, etc.) Slatt Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) suits Section Results Type Result Value - Grade Alignments Extensions (as needed - please explain) sociations (AST-A 105) Achievement Type Target ID Achievement Type Target ID at is the criteria for earning this achievement? es this achievement are a possible range of results or a specific type of util (e.g. assessment soore within a range)? his achievement aligned to a skill or standard available in a framework? soribe, his achievement associated with this achievement? his achievement associated with this achievement? his achievement (Course CHEM-C 121) Achievement (Suser ID (Internally defined)) Human Code (Optional) Credits (if applicable) Result Description Alignments (e.g., CASE) Level (if applicable) Extensions (as needed') hievement (Course CHEM-C 121) Alignments (e.g., CASE) Level (if applicable) Extensions (as needed')	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None Lischidof Term Achievement (Course Chem Enroll and earn a grade in a course. Yes - Credit hours (may be a range) and a specific set of Assessment values None Indiana University Bloomington No Yes. The achievement describes a component of a Term. Response Elementary Chemistry Lab 1 Introduction to the techniques and reasoning of experimental chemistry. Emphasis is given to study of physical and chemical properties of inorganic compounds. Course Indiana University Bloomington CHEM-C 121 3 Grade	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS SIS SIS SIS SIS SIS SIS SIS	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "startDate" 6.1.5.15 "rendDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.3 "resultType" 6.1.20.3 "elignments" 6.1.6.1 "associationType" 6.1.6.2 "largeltd" 6.1.1.10 "name" 6.1.1.13 "achievement" 6.1.1.13 "achievementType" 6.1.1.13 "achievementType" 6.1.1.13 "largeltd" 6.1.1.15 "creditsAvailable" 6.1.1.9.5 "resultDescription" 6.1.1.14 "alianments"
Date issued (IssuedOn) Credits Source (Internship, etc.) Slart Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) sults Section Results Type Result Value - Grade Alignments Extensions (as needed - Jease explain) societions (ASTA 105) Achievement Type Target ID at is the criteria for earning this achievement? shis achievement are a possible range of results or a specific type of utility (e.g. assessment soore within a range)? his achievement aligned to a skill or standard available in a framework? scribe. In image associated with this achievement? bis achievement associated with another achievement such as a sub-ievement or prerequisite? Describe. In lange associated with this achievement? his achievement (Course CHEM-C 121) Achievement (Sauer ID (Internally defined)) Human Code (Optional) Credits (if applicable) Result Description Alignments (e.g., CASE) Level (if applicable) Extensions (as needed) hievement (Course CHEM-C 121) Assertion rarding achievement to a specific learner) sertions (General Questions) at entity is the source of this assertion (e.g. org or person that assessed achievement)?	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None IsChidof Term Achievement (Course Chem Enroll and earn a grade in a course. Yes - Credit hours (may be a range) and a specific set of Assessment values None Indiana University Bloomington No Yes. The achievement describes a component of a Term. Response Elementary Chemistry Lab 1 Introduction to the techniques and reasoning of experimental chemistry. Emphasis is given to study of physical and chemical properties of inorganic components Course Indiana University Bloomington CHEM-C 121 3 Grade Undergraduate Indiana University Bloomington, Instructor Term Dates	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS SIS SIS SIS SIS SIS SIS SIS	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.19 "startDate" 6.1.5.15 "reddisEamed" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "largelid" 6.1.1.10 "name" 6.1.1.13 "achievementType" 6.1.1.13 "achievementType" 6.1.1.13 "achievementType" 6.1.1.19 "humanCode" 6.1.1.9 "reddisAvailable"
Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Start Start Date (Internship, etc.) Extensions (as needed) Start Start Date (Internship, etc.) Extensions (as needed) Result Value - Grade Alignments Extensions (as needed - please explain) sociations (AST-A 105) Achievement Type Target ID Achievement Type Target ID as a chievement? Set is achievement and provide a possible range of results or a specific type of sult (e.g. assessment score within a range)? It his achievement aligned to a skill or standard available in a framework? Set in a nimage associated with this achievement? This achievement associated with other achievement as a sub-hevement or prerequisite? Describe. Achievement (Course CHEMC 121) Achievement (Name) Achievement (Issuer ID (Internally defined)) Human Code (Optional) Credits (if applicable) Result Description Alignments (e.g., CASE) Level (if applicable)	Print Date None None Term/Session Start Date Term/Session End Date Yes LetterGrade A- None LetterGrade A- None IsChildOf Term Achievement (Course Chen Enroll and earn a grade in a course. Yes - Credit hours (may be a range) and a specific set of Assessment values None Indiana University Bloomington No Yes. The achievement describes a component of a Term. Response Elementary Chemistry Lab 1 Introduction to the techniques and reasoning of experimental chemistry. Emphasis is given to study of programs of the properties of inorganic compounds. Course Indiana University Bloomington CHEM-C 121 3 Grade Undergraduate	SIS SIS SIS Generated at time of Issue Generated at time of Issue SIS Generated at time of Issue SIS SIS SIS SIS SIS SIS SIS SIS	6.1.5.9 "issuedOn" 6.1.5.4 "reddisEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.19 "startDate" 6.1.5.15 "reddisEamed" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "largelid" 6.1.1.10 "name" 6.1.1.13 "achievementType" 6.1.1.13 "achievementType" 6.1.1.13 "achievementType" 6.1.1.19 "humanCode" 6.1.1.9 "reddisAvailable"

Did the learner have a specific role or title with this achievement (e.g.	None		
Does a third party endorse this assertion?			
Does this assertion expire at a certain date or after a specific time period?	No		
Can this assertion be revoked?	Yes (extreme cases or mistake)		
	Response	Source of Data	CLR Class Description
Assertions - CHEM-C 121			
Recipient ID (learner)	ID	Generated at time of Issue	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	CHEM-C 121		6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)	None		6.1.5.7 "evidence"
License (If Applicable)	None		6.1.5.10 "licenseNumber"
Role (if appropriate - e.g., President, civic advocate, etc.)	None		6,1,5,16 "role"
Date issued (IssuedOn)	Print Date	SIS	6.1.5.9 "issuedOn"
Credits	None		6.1.5.4 "creditsEarned"
Source (Internship, etc.)	None		6,1,5,18 "source"
Start Date (if needed)	Term/Session Start Date	SIS	6.1.5.19 "startDate"
End Date (if Needed)	Term/Session End Date	SIS	6.1.5.5 "endDate"
Can this assertion be revoked?	Yes	Generated at time of Issue	6,1,5,15 "revoked"
Extensions (as needed)			6.1.5.3 "achievement"
Results Section			
Results Type	LetterGrade	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - Grade	A-	SIS	6.1.20.7 "requiredValue"
Alignments	None		6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Associations (AST-A 105)			
Achievement Type	IsChildOf	Generated at time of Issue	6.1.6.1 "associationType"
Target ID	Term	Generated at time of Issue	6.1.6.2 "targetId"

Other Courses Here

	Achievement (UGRD GPA St	ummary)	
What is the criteria for earning this achievement?	Enroll and earn a grade in a course for a term.	• • • • • • • • • • • • • • • • • • • •	
Does this achievement have a possible range of results or a specific type of			
result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework?	Yes - the GPA Summary statistics reflect the cumulative credits, hours, and G	SPA metrics earned by the student.	
Describe.	None		
Is this achievement endorsed by a third party? Describe.	Indiana University Bloomington		
Is an image associated with this achievement?	No		
Is this achievement associated with another achievement such as a sub- achievement or prerequisite? Describe.	Yes. The achievement describes assessment characteristics of the student in	n the academic Degree or objective the student was nursuing	
authorement of prerequisite: Describe.	Response	Source of Data	CLR Class Description
Achievement (UGRD GPA Summary)			
Achievement (Name)	UGRD GPA Summary	Generated at time of Issue	6,1,1,10 "name"
Achievement Description	Student Undergraduate Program Summary	SIS	6.1.1.7 "description"
Achievement Type (See 2nd tab)	Other	Generated at time of Issue	6.1.1.3 "achievementType"
Issuer of Achievement (Issuer ID (Internally defined))	Indiana University Bloomington	SIS	6.1.1.13 "issuer"
Human Code (Optional)	Student Undergraduate Program Summary	SIS	6,1,1,9 "humanCode"
Credits (if applicable)			6.1.1.6 "creditsAvailable"
Result Description	GPA Hours	SIS	6.1.19.5 "resultDescription"
Result Description	Transfer/Test Hours Passed	SIS	6.1.19.5 "resultDescription"
Result Description	Total Hours Earned	SIS	6.1.19.5 "resultDescription"
Result Description	GPA Points	SIS	6.1.19.5 "resultDescription"
Result Description	Cumulative GPA	SIS	6.1.19.5 "resultDescription"
Alignments (e.g., CASE)	Ganadaro Grit	5.5	6.1.1.4 "alignments"
Level (if applicable)		SIS	6,1,1,14 "level"
Extensions (as needed)		919	
Achievement (UGRD GPA Summary) Assertion			
(awarding achievement to a specific learner) Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assessed			
the achievement)?	Indiana University Bloomington		
Is a start and end date associated with this achievement?	Print Date		
Is a license number issued with this assertion?	No		
What are the learner's specific results?	Career Summary Statistics		
What evidence is submitted by the learner?	Career Summary Statistics None		
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g.	None		
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.)	None None		
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion?	None None Indiana University Bloomington		
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intert, Captain, etc.). Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked?	None None Indiana University Bloomington No	Source of Data	CLR Class Description
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern. Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period?	None None Indiana University Bloomington No Yes (extreme cases or mistake)	Source of Data	
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intent. Captain, etc.). Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked?	None None Indiana University Bloomington No Yes (extreme cases or mistake)	Source of Data Generated at time of Issue	6.1.5.12 "recipient"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intent, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be reveked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned)	None None Indiana University Bioomington No Yes (extreme cases or mistake) Response		6.1.5.12 "recipient" 6.1.5.3 "achievement"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern. Captain, etc.) Does at hird party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.)	None None Indiana University Bioomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artfacts, etc.) License (If Applicable)	None None Indiana University Bloomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber"
What evidence is submitted by the learner? Did the learner have a specific foer or title with this achievement (e.g. President, Intern. Captain, etc.). Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.)	None None Indiana University Bloomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None None	Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern. Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Appricable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (issuedOn)	None None Indiana University Bioomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None Print Date		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.5 "issuedOn"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern. Captain, etc.). Does a third party endorse this assertion? Does this assertion expire at a carain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credis	None None Indiana University Bloomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None None Print Date None None	Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern. Captain, etc.). Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement aemed) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.)	None None Indiana University Bloomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None Print Date None None None None None None None Non	Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achlavement" 6.1.5.7 "evidence" 6.1.5.10 "iconseNumber" 6.1.5.16 "role" 6.1.5.4 "seuedOn" 6.1.5.4 "seutedThe Seured" 6.1.5.18 "seured"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.). Does a linking party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? **Assertions - (UGRD GPA Summary)** **Recipient ID (learner)* Achievement ID (Achievement earned)** Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed)	None None Indiana University Bloomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None None Print Date None None	Generated at time of Issue SIS SIS	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.). Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artfacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) End Date (if Meeded) End Date (if Meeded)	None None Indiana University Bloomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None None Print Date None None Print Date	Generated at time of Issue SIS SIS SIS SIS	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern. Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? **Assertions - (UGRD GPA Summary)** Recipient ID (learner) Achievement ID (Achievement aemed) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Appricate) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (issuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked?	None None Indiana University Bloomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None Print Date None None None None None None None Non	Generated at time of Issue SIS SIS	6.1,5.12 "recipient" 6.1,5.3 "achievement" 6.1,5.7 "evidence" 6.1,5.10 "licenseNumber" 6.1,5.16 "role" 6.1,5.9 "issuedOn" 6.1,5.4 "creditsEamed" 6.1,5.18 "source" 6.1,5.19 "santDate" 6.1,5.19 "santDate" 6.1,5.15 "revoked"
What evidence is submitted by the learner? Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.). Does a hird party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) End Date (if Needed) End Date (if Needed) End Date (if Needed) Extensions (as needed)	None None Indiana University Bloomington No Yes (extreme cases or mistake) Response ID UGRD GPA Summary None None None Print Date None None Print Date	Generated at time of Issue SIS SIS SIS SIS	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate"
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What evidence is submitted by the learner? Did the learner have a specific pot title with this achievement (e.g. President, Intern. Captain, etc.). Does at hird party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions - (UGRD GPA Summary) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (issuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - GPA Hours Alignments	None None Indiana University Bloomington No Yes (extreme cases or mistake) ID UGRD GPA Summary None None Print Date None Print Date Yes Print Date Result	Generated at time of Issue SIS SIS SIS Generated at time of Issue Generated at time of Issue	6.1,5.12 "recipient" 6.1,5.3 "achievement" 6.1,5.7 "evidence" 6.1,5.10 "licenseNumber" 6.1,5.10 "licenseNumber" 6.1,5.10 "ssuedOn" 6.1,5.9 "issuedOn" 6.1,5.4 "creditisEarned" 6.1,5.18 "source" 6.1,5.19 "startDate" 6.1,5.5 "endDate" 6.1,5.5 "endDate" 6.1,5.3 "achievement" 6.1,5.3 "achievement"
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D # 7		0 1145 5	6,1,20,8 "resultType"
Results Type Result Value - Total Hours Earned	Result 134	Generated at time of Issue Generated at time of Issue	6.1.20,8 "resultType" 6.1.20.7 "requiredValue"
Alignments	None	Generated at time or issue	6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value - GPA Points	474.7	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments Extensions (as needed - please explain)	None		6.1,20,3 "alignments"
Extensions (as needed - please explain)			
Results Type	Result	Generated at time of Issue	6,1,20,8 "resultType"
Result Value - Cumulative GPA	3.709	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments	None		6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Achievement Type	Associations (UGRD GPA Summa		6,1,6,1 "associationType"
Target ID	lsChildOf Degree	Generated at time of Issue Generated at time of Issue	6.1.6.2 "target d"
iagotio			S. Hote targetta
	Achievement (Minor		0.4.4.40
Achievement (Name)	Minor	CIC.	6.1.1.10 "name"
Achievement Description Achievement Type (See 2nd tab)	Psychology Other	SIS Generated at time of Issue	6.1.1.7 "description" 6.1.1.3 "achievementType"
Issuer of Achievement (Issuer ID (Internally defined))	College of Arts and Science	Senerated at time or issue	6.1.1.13 "issuer"
Human Code (Optional)	Soliege of the did Solores	3,5	6.1.1.9 "humanCode"
Result Description	Awarded	SIS	6.1.19.5 "resultDescription"
Credits (if applicable)			6.1.1.6 "creditsAvailable"
Alignments (e.g., CASE)			6.1.1.4 "alignments"
Level (if applicable) Achievement (Minor) Assertion	Undergraduate	SIS	6,1,1,14 "level"
(awarding achievement to a specific learner)			
Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assessed the achievement)?	The College of arts and Science - a unit of Indiana University Bloomington		
Is a start and end date associated with this achievement?	No: Awarded Date		
Is a license number issued with this assertion?	No		
What are the learner's specific results?	Degree Minor Earned		
What evidence is submitted by the learner?	None		
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.)	None		
Does a third party endorse this assertion?	Through IUB - Higher Learning Commission Bloomington Campus Accredita	ion: Indiana University	
Does this assertion expire at a certain date or after a specific time period?	No		
Can this assertion be revoked?	Yes (extreme cases or mistake)	Serves of Date	CLR Class Description
Assertions - (Minor)	Response	Source of Data	CLR Class Description
Recipient ID (learner)	ID	Generated at time of Issue	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	Other Minor	Schouled at time of 150de	6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)	None		6.1.5.7 "evidence"
License (If Applicable)	None		6.1.5.10 "licenseNumber"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.)	None None	olo Silva	6.1.5.10 "licenseNumber" 6.1.5.16 "role"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn)	None None Date Awarded	SIS	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn"
License (If Applicable) Role (If appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits	None None Date Awarded None	SIS	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned"
License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.)	None None Date Awarded	SIS	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source"
License (If Applicable) Role (If appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits	None None Date Awarded None None	SIS	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned"
License (ff Applicable) Role (ff appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needod)	None None Date Awarded None None None	SIS Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "sartDate" 6.1.5.5 "endDate" 6.1.5.5 "revoked"
License (# Applicable) Role (ff appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed)	None None Date Awarded None None None None		6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate"
License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked?	None None Date Awarded None None None None		6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type	None None Date Awarded None None None None None Rone Rone Rone Yes	Generated at time of Issue Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "sartDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.5.3 "achievement"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded	None None Date Awarded None None None None Yes Result Awarded	Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 8.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments	None None Date Awarded None None None None None Rone Rone Rone Yes	Generated at time of Issue Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "sartDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.5.3 "achievement"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded	None None Date Awarded None None None None None None Form None None Awarded Awarded None	Generated at time of Issue Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 8.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain)	None None Date Awarded None None None None None None None Associations (Minor)	Generated at time of Issue Generated at time of Issue Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.16 "source" 6.1.5.16 "source" 6.1.5.15 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
License (# Applicable) Role (if appropriate - e.g., President, ovic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type	None None Date Awarded None None None None None None Associations (Minor)	Generated at time of Issue	6.1.5.10 "licenseNumber" 5.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "revoked" 6.1.5.3 "revoked" 6.1.5.3 "revoked" 6.1.0.0 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain)	None	Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.16 "source" 6.1.5.16 "source" 6.1.5.15 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alagnments Extensions (as needed - please explain) Achievement Type Target ID	None None Date Awarded None None None None None None Yes Result Awarded None Associations (Minor) IsChildOf Degree A Chievement (Major)	Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.10 "role" 6.1.5.9 "issuedOn" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.15 "endDate" 6.1.5.15 "eveced" 6.1.5.3 "achievament" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
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License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Slart Date (if needed) End Date (if Needed) End Date (if Needed) Cant his assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type Target ID	None None None Date Awarded None None None None None None Associations (Minor) Is Child Of Degree Achievement (Major) Major Exercise Science	Generated at time of Issue	6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.9 "issuedOn" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.15 "startDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.2.0.8 "resultType" 6.1.2.0.7 "requiredValue" 6.1.2.0.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId" 6.1.1.10 "name" 6.1.1.1.7 "description"
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License (if Applicable) Role (if appropriate - e.g., President, ovic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) End Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement (Issue of Needed) Achievement (Name) Achievement (Name) Achievement (Name) Achievement (Issue ID (Internally defined)) Result Description Human Code (Optional) Credits (if applicable) Alignments (e.g., CASE) Level (if applicable) Achievement (Major) Assertion (awarding achievement of applicable) Achievement (Major) Assertion (awarding achievement of applicable) Assertions (General Questions) Wate entity is the source of this assertion (e.g., org or person that assessed the achievement)? Is a license number issued with this achievement?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS	6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.9 "issuedOn" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.6.2 "largettd" 6.1.1.10 "name" 6.1.1.17 "description" 6.1.1.3 "achievementType" 6.1.1.19 "hymanCode" 6.1.1.9 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.10 "name" 6.1.1.10 "name" 6.1.1.11 "name" 6.1.1.11 "name" 6.1.1.11 "name" 6.1.1.12 "resultDescription" 6.1.1.13 "resultDescription" 6.1.1.14 "alignmentSevaltable" 6.1.1.14 "alignments"
Role (if appropriate - e.g., President, civic advocate, etc.) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoker? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type Target ID Achievement (Name) Achievement (Name) Achievement (Issuer ID (Internally defined)) Result Description Human Code (Optional) Credits (if applicable) Alignments (e.g., CASE) Level (if applicable) Achievement (Major) Assertion (awarding achievement a specific learner) Assertions (General Questions) What entity is the source of this assertion? Is a license number issued with this achievement?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS	6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.9 "issuedOn" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.6.2 "largettd" 6.1.1.10 "name" 6.1.1.17 "description" 6.1.1.3 "achievementType" 6.1.1.19 "hymanCode" 6.1.1.9 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.10 "name" 6.1.1.10 "name" 6.1.1.11 "name" 6.1.1.11 "name" 6.1.1.11 "name" 6.1.1.12 "resultDescription" 6.1.1.13 "resultDescription" 6.1.1.14 "alignmentSevaltable" 6.1.1.14 "alignments"
Role (if appropriate - e.g., President, civic advocate, etc.) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type Target ID Achievement (Name) Achievement (Name) Achievement (Issuer ID (Internally defined)) Result Description Achievement (Issuer ID (Internally defined)) Result Description Achievement (Rasier) Achievement (Rasier) Achievement (Rasier) Result Description Achievement (Rasier) Achievement (Issuer ID (Internally defined)) Result Description Achievement (Major) Assertion (awarding achievement to a specific learner) Assertions (General Questions) What entity is the source of this assertion (e.g., org or person that assessed the achievement?) Is a license number issued with this achievement? Is a license number issued with this assertion? What are the learner's specific results? What are the learner's specific results? What ered the learner's persolite results?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS	6.1.5.10 "licenseNumber" 5.1.5.10 "licenseNumber" 5.1.5.16 "suedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.3 "achievement" 6.1.20.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.6.2 "fargetId" 6.1.1.10 "name" 6.1.1.17 "description" 6.1.1.13 "achievementType" 6.1.1.19 "resultDescription" 6.1.1.19 "resultDescription" 6.1.1.19 "resultDescription" 6.1.1.16 "creditsAvailable" 6.1.1.16 "creditsAvailable" 6.1.1.16 "creditsAvailable" 6.1.1.16 "creditsAvailable" 6.1.1.14 "alignments"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (If Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement (Name) Achievement (Name) Achievement (Name) Achievement (Sec 2nd tab) Issuer of Achievement (Sec 2nd tab) Issuer of Achievement (Sec 2nd tab) Issuer of Achievement (Sec 2nd tab) Alignments (e.g., CASE) Level (if applicable) Alignments (e.g., CASE) Level (if applicable) Achievement (Major) Assertion (awarding achievement of a specific learner) Assertions (General Questions) What arethy the source of this assertion (e.g., org or person that assessed the achievement)? Is a license number issued with this achievement? Is a license number issued with this ashievement? Is a license number issued with this ashievement? What are the learner's specific results? What are the learner's specific results? What evidence is submitted by the learner? Did the learner have a specific results? What evidence is submitted by the learner?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS	6.1.6.10 "licenseNumber" 5.1.5.16 "role" 6.1.5.9 "issueOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.19 "startDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.3 "resultTyne" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.19 "resultDescription" 6.1.1.3 "achievementType" 6.1.1.10 "mame" 6.1.1.10 "mame" 6.1.1.10 "resultDescription" 6.1.1.10 "resultDescription" 6.1.1.10 "resultDescription" 6.1.1.10 "resultDescription" 6.1.1.10 "resultDescription" 6.1.1.10 "resultDescription" 6.1.1.110 "resultDescription" 6.1.1.110 "resultSexvallable" 6.1.1.14 "alignments"
Role (if appropriate - e.g., President, civic advocate, etc.) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type Target ID Achievement (Name) Achievement (Name) Achievement (Issuer ID (Internally defined)) Result Description Achievement (Issuer ID (Internally defined)) Result Description Achievement (Rasier) Achievement (Rasier) Achievement (Rasier) Result Description Achievement (Rasier) Achievement (Issuer ID (Internally defined)) Result Description Achievement (Major) Assertion (awarding achievement to a specific learner) Assertions (General Questions) What entity is the source of this assertion (e.g., org or person that assessed the achievement?) Is a license number issued with this achievement? Is a license number issued with this assertion? What are the learner's specific results? What are the learner's specific results? What ered the learner's persolite results?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS	6.1.5.10 "IclenseNumber" 9.1.5.10 "role" 9.1.5.15 "role" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.6.2 "fargetId" 6.1.1.10 "name" 6.1.1.17 "description" 6.1.1.13 "assuer" 6.1.1.19 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.19 "resultDescription" 6.1.1.16 "creditsAvailable" 6.1.1.14 "alignments"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Can this assertion be revoker? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type Target ID Achievement Type Target ID Achievement (Name) Achievement (Issuer ID (Internally defined)) Result Description Achievement (Issuer ID (Internally defined)) Result Description Human Code (Optional) Credits (if applicable) Alignments (e.g., CASE) Level (if applicable) Achievement (Major) Assertion (awarding achievement to a specific learner) Assertions (General Questions) What entity is the source of this assertion (e.g., org or person that assessed the achievement? Is a license number issued with this achievement? Is a license number issued with this assertion? What are the learner's specific results? What are the learner's specific results? What are the learner's specific results? What end the learner's pecific results? What end the learner's assertion? Does a third party endorse this assertion?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS	6.1.5.10 "licenseNumber" 5.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.3 "achievement" 6.1.20.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.1.10 "name" 6.1.1.17 "description" 6.1.1.13 "achievementType" 6.1.1.19 "resultDescription" 6.1.1.19 "resultDescription" 6.1.1.19 "resultDescription" 6.1.1.16 "creditsAvailable" 6.1.1.16 "creditsAvailable" 6.1.1.16 "creditsAvailable" 6.1.1.16 "creditsAvailable" 6.1.1.14 "alignments"
License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if needed) End Date (if needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement (Same Properties) Achievement Type (See 2nd tab) Issuer of Achievement (Same ID (Internally defined)) Results Office (if applicable) Achievement (Same ID (Internally defined)) Results (if applicable) Alignments (e.g., CASE) Level (if applicable) Alignments (e.g., CASE) Level (if applicable) Achievement (Major) Assertion (awarding achievement to a specific fearmer) Assertions (General Questions) What entity is the source of this assertion (e.g., or gor person that assessed the achievement) Is a license number issued with this achievement? Is a license number issued with this ashievement? Is a license number issued with this ashievement? What ervidence is submitted by the learner? What evidence is submitted by the learner? Did the learner have a specific results? What evidence is submitted by the learner? Does this assertion expire at a certain date or after a specific time period?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS	6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.9 "issuedOn" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.6.2 "largettd" 6.1.1.10 "name" 6.1.1.17 "description" 6.1.1.3 "achievementType" 6.1.1.19 "hymanCode" 6.1.1.9 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.10 "name" 6.1.1.10 "name" 6.1.1.11 "name" 6.1.1.11 "name" 6.1.1.11 "name" 6.1.1.12 "resultDescription" 6.1.1.13 "resultDescription" 6.1.1.14 "alignmentSevaltable" 6.1.1.14 "alignments"
License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) End Date (if Needed) Can this assertion be revoker? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type Target ID Achievement Type Target ID Achievement (Name) Achievement (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined)) Result Description Achievement (Description Achievement (Issuer ID (Internally defined)) Result Description Alignments (e.g., CASE) Level (if applicable) Alignments (e.g., CASE) Level (if applicable) Achievement (Major) Assertion (awarding achievement to a specific learner) Assertions (General Questions) What entity is the source of this assertion (e.g., org or person that assessed the achievement?) Is a license number issued with this achievement? Is a license number issued with this achievement? What are the learner's specific results? What entity is the source of the sassertion (e.g., org or person that assessed the achievement?) Use a license number issued with this achievement (e.g., President, Intern, Captain, etc.) Does a third party endorse this assertion?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS SIS SIS SIS SIS	6.1.5.10 "licenseNumber" 6.1.5.10 "icenseNumber" 6.1.5.9 "issuedOn" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "startDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.2.0.3 "resultType" 6.1.2.0.3 "resultType" 6.1.2.0.3 "alignments" 6.1.6.2 "targetId" 6.1.1.10 "name" 6.1.1.13 "ashievementType" 6.1.1.13 "ashievementType" 6.1.1.15 "resultDescription" 6.1.1.16 "resultSevementType" 6.1.1.17 "description" 6.1.1.18 "issuer" 6.1.1.19 "brananCode" 6.1.1.10 "name" 6.1.1.15 "resultDescription" 6.1.1.16 "resultSevaltable" 6.1.1.14 "alignments" 6.1.1.14 "lever"
Role (if appropriate - e.g., President, dvic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if needed) Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type Target ID Achievement (Name) Achievement (Name) Achievement Type (See 2nd tab) Issuer of Achievement (Issuer ID (Internally defined)) Result Description Human Code (Optional) Credits (if applicable) Alignments (e.g., CASE) Level (if applicable) Achievement (Major) Assection (warding achievement os specific learner) Assestrions (General Questions) What entity is the source of this assertion (e.g. org or person that assessed the achievement?) Is a start and end date associated with this achievement? Is a license number issued with this assertion? What are the learner's specific results? What end the learner's specific results? What are the learner's president is assertion? Does a third party endorse this assertion? Does a third party endorse this assertion?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS	6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.9 "issuedOn" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement" 6.1.20.3 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.6.2 "largettd" 6.1.1.10 "name" 6.1.1.17 "description" 6.1.1.3 "achievementType" 6.1.1.19 "hymanCode" 6.1.1.9 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.9 "resultDescription" 6.1.1.10 "name" 6.1.1.10 "name" 6.1.1.11 "name" 6.1.1.11 "name" 6.1.1.11 "name" 6.1.1.12 "resultDescription" 6.1.1.13 "resultDescription" 6.1.1.14 "alignmentSevaltable" 6.1.1.14 "alignments"
Role (if appropriate - e.g., President, dvic advocate, etc.) Role (if appropriate - e.g., President, dvic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement (San needed - please explain) Achievement (Name) Achievement (Name) Achievement (Sauer ID (Internally defined)) Results of Achievement (Issuer ID (Internally defined)) Results (if applicable) Alignments (e.g., CASE) Level (if applicable) Alignments (e.g., CASE) Alignments (e.g., CASE) Alignments (e.g., CASE) Alignment (Naive) Assertions (General Questions) What entity is the source of this assertion (e.g., org or person that assessed the echievement (Pissuer ID (Internally defined)) What entity is the source of this assertion (e.g., org or person that assessed the echievement)? Is a license number issued with this achievement? Is a license number issued with this assertion (e.g. org or person that assessed the echievement)? Is a license number issued with this assertion (e.g. org or person that assessed the echievement)? Is a license number issued with this assertion? Does this assertion be revoked? Assertions General Question? Does this assertion be revoked? Assertions - (Major)	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS Generated at time of Issue SIS SIS SIS SIS SIS SIS SIS S	6.1.5.10 "licenseNumber" 6.1.5.10 "role" 6.1.5.19 "suedOn" 6.1.5.19 "suedOn" 6.1.5.14 "credisEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.15 "endDate" 6.1.5.15 "endDate" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.3 "achievementType" 6.1.1.1 "schievementType"
Role (if appropriate - e.g., President, civic advocate, etc.) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value - Awarded Alignments Extensions (as needed - please explain) Achievement Type Target ID Achievement (Name) Achievement (Name) Achievement (Pope (See 2nd tab)) Issuer of Achievement (Issuer ID (Internally defined)) Result Description Achievement (Description Achievement (Description) Credits (if applicable) Alignments (e.g., CASE) Level (if applicable) Achievement (Major) Assertion (awarding achievement to a specific learner) Assertions (General Questions) What entity is the source of this assertion (e.g., org or person that assessed the achievement?) Is a start and end date associated with this achievement? Is a license number issued with this assertion? What are the learner's specific results? What end the learner's specific results? What end the learner's specific results? What are the learner's specific results? What end party endorse this assertion? Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked?	None None Date Awarded None None None None None None None None	Generated at time of Issue SIS SIS SIS SIS SIS	6.1.5.10 "licenseNumber" 6.1.5.10 "icenseNumber" 6.1.5.9 "issuedOn" 6.1.5.9 "issuedOn" 6.1.5.18 "source" 6.1.5.18 "startDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.2.0.3 "resultType" 6.1.2.0.3 "resultType" 6.1.2.0.3 "alignments" 6.1.6.2 "targetId" 6.1.1.10 "name" 6.1.1.13 "ashievementType" 6.1.1.13 "ashievementType" 6.1.1.15 "resultDescription" 6.1.1.16 "resultSevementType" 6.1.1.17 "description" 6.1.1.18 "issuer" 6.1.1.19 "brananCode" 6.1.1.10 "name" 6.1.1.15 "resultDescription" 6.1.1.16 "resultSevaltable" 6.1.1.14 "alignments" 6.1.1.14 "lever"

Evidence (e.g., URL, Learning Artifacts, etc.)	None		6.1.5.7 "evidence"
License (If Applicable)	None		6.1.5.10 "licenseNumber"
Role (if appropriate - e.g., President, civic advocate, etc.)	None		6.1.5.16 "role"
Date issued (IssuedOn)	Date Awarded	SIS	6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned"
Credits Source (Internship, etc.)	None None		6.1.5.18 "source"
Start Date (if needed)	None		6.1.5.19 "startDate"
End Date (if Needed)	None		6.1.5.5 "endDate"
Can this assertion be revoked?	Yes	Generated at time of Issue	6,1,5,15 "revoked"
Extensions (as needed)			6,1,5,3 "achievement"
Results Section			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value	Awarded	Generated at time of Issue	6.1.20.7 "requiredValue"
Alignments Extensions (as needed - please explain)	None		6.1.20.3 "alignments"
Extensions (as needed - please explain)	Associations (Major)		
Achievement Type	IsChildOf	Generated at time of Issue	6,1,6,1 "associationType"
Target ID	Degree	Generated at time of Issue	6.1.6.2 "targetId"
	Achievement (Non-Course Mile	stone)	
Achievement (Name)	Non Course Milestone Minor	,	6.1.1.10 "name"
Achievement Description	Statewide General Education Core	SIS	6.1.1.7 "description"
Achievement Type (See 2nd tab)	Other	Generated at time of Issue	6.1.1.3 "achievementType"
Issuer of Achievement (Issuer ID (Internally defined))	Indiana University Bloomington	SIS	6,1,1,13 "issuer"
Human Code (Optional)			6.1.1.9 "humanCode"
Credits (if applicable)			6.1.1.6 "creditsAvailable"
Alignments (e.g., CASE)			6.1.1.4 "alignments"
Level (if applicable)	Undergraduate	SIS	6,1,1,14 "level"
Extensions (e.g., School/Department Name, etc.) - Please explain chievement (Non-Course Milestone) Assertion		SIS	6.1.1.20 "extensions"
chievement (Non-Course Milestone) Assertion warding achievement to a specific learner)			
ssertions (General Questions)			
/hat entity is the source of this assertion (e.g. org or person that assessed a chievement)?	Indiana University Bloomington		
a start and end date associated with this achievement?	No: Awarded Date		
a license number issued with this assertion?	No. Awarded Date		
hat are the learner's specific results?	Specific Courses Passed with a grade of C- or better		
hat evidence is submitted by the learner?	None		
d the learner have a specific role or title with this achievement (e.g. resident, Intern, Captain, etc.)	None		
pes a third party endorse this assertion?	Indiana University and Indiana Commission of Higher Education		
pes this assertion expire at a certain date or after a specific time period?	No		
an this assertion be revoked?	Yes (extreme cases or mistake)		
	Response	Source of Data	CLR Class Description
ssertions - (Non-Course Milestone)			
Recipient ID (learner)	ID	Generated at time of Issue	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	Other Non-Course Milestone	Generated at time of Issue	6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)	None		6.1.5.7 "evidence"
License (If Applicable)	None		6,1,5,10 "licenseNumber"
Role (if appropriate - e.g., President, civic advocate, etc.)	None		6,1,5,16 "role"
Date issued (IssuedOn)	Date Awarded	SIS	6.1.5.9 "issuedOn"
Credits	None		6.1.5.4 "creditsEarned"
Source (Internship, etc.)	None		6.1.5.18 "source"
	No.		6.1.5.19 "startDate"
Start Date (if needed)	None		6.1.5.5 "endDate"
Start Date (if needed) End Date (if Needed)	None None		
End Date (if Needed) Can this assertion be revoked?		Generated at time of Issue	6.1.5.15 "revoked"
End Date (if Needed) Can this assertion be revoked? Extensions (as needed)	None	Generated at time of Issue	
End Date (if Needed) Can this assertion be revoked? Extensions (as needed) sulfs Section	None Yes		6.1.5.15 "revoked" 6.1.5.3 "achievement"
End Date (if Needed) Can this assertion be revoked? Extensions (as needed) esults Section Results Type	None Yes Result	Generated at time of Issue	6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType"
End Date (if Needed) Can this assertion be revoked? Extensions (as needed) suits Section Results Type Result Value	None Yes Result Awarded	Generated at time of Issue Generated at time of Issue	6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue"
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Role (if appropriate - e.g., President, civic advocate, etc.)	None		6.1.5.16 "role"
Date issued (IssuedOn)	Date Awarded	SIS	6,1,5,9 "issuedOn"
Credits	None	5	6.1.5.4 "creditsEarned"
Source (Internship, etc.)	None		6,1,5,18 "source"
Start Date (if needed)	None		6.1.5.19 "startDate"
End Date (if Needed)	None		6.1.5.5 "endDate"
Can this assertion be revoked?	Yes	Generated at time of Issue	6.1.5.15 "revoked"
Extensions (as needed)			6.1.5.3 "achievement"
Results Section			
Results Type	Result	Generated at time of Issue	6.1.20.8 "resultType"
Result Value	Awarded	Generated at time of Issue	6.1.20.7 "requiredValue"
Result Description	Completed	sis	6.1.19.5 "resultDescription"
Alignments	None		6,1,20,3 "alignments"
Extensions (as needed - please explain)			
	Associations (Non-Course Mileston	те)	
Achievement Type	IsChildOf	Generated at time of Issue	6.1.6.1 "associationType"
Target ID	Degree	Generated at time of Issue	6.1.6.2 "targetId"

Tennessee Board of Regents – Warranty Card

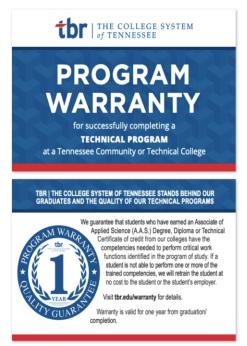
The Volunteer State Community College program warranty represents the College's commitment to the quality of its technical education programs. It assures employers that graduates of A.A.S. degree programs and technical certificate programs have the knowledge and skill sets needed to successfully perform job functions. Valid for one year immediately following the student's graduation/completion date, the program warranty covers retraining at no cost to either the graduate or the employer.

The College initially issued³ warranties on paper, and the student was given a warranty card with information to share with the employer. However, no learning outcomes were attached. This limited its effectiveness since the employer would need to know the expected learning outcomes or competencies covered in the program to determine which if any of these may not match the employee's demonstrated skills on the job.

The intent of the digital warranty card CLR is to provide summative information to the employer that the student can present at the time of application for a job. The CLR will have the learning outcomes or competencies listed along with the digital credential earned by the student. The CLR would be delivered to the employer via a link to a secure webpage that could be included in a job application or resume. The CLR will be date-aware since the warranty is only valid for one-year post-graduation. During the warranty period, the employer would have the ability to file a "claim". After the warranty period, the employer would simply see the credential and learning outcomes associated with it. Learning outcomes or competencies could be extracted dynamically from our SIS and displayed based on the appropriate outcomes or competencies for the graduate's catalog year.

³ At the time of this report, digital warranty cards were not yet in production but their implementation was imminent.

Warranty Card – Rendered Sample



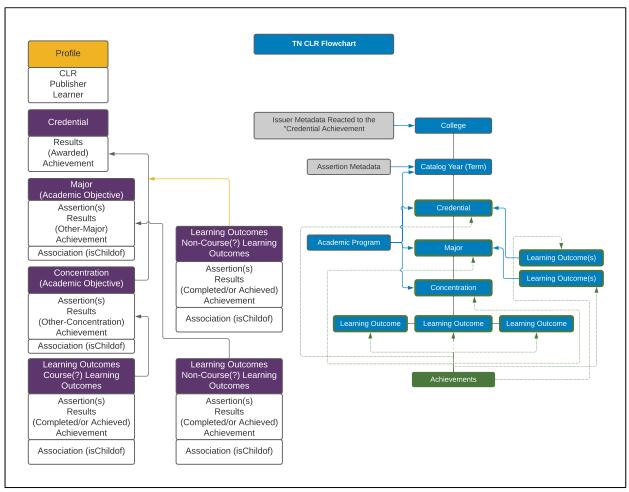
Warranty Credential Validation

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc dui felis, dignissim at sapien nec, mollis elementum tellus. Fusce eu felis eget eros consectetur tincidunt. Nullam justo ex, feugiat vitae tempor vehicula, dapibus in quam. Integer tincidunt venenatis lectus in pharetra.



Contact us

Step 1: High-Level Mapping of Record to CLR Standard Elements



Draft - CLR Campus Planning/Mapping Template - Draft Tempered Regular of Property Waganton Card			
Tennes	see Board of Regents Warantee	Card I	
Background	Response	Source of Data	CLR Class Description
Author	Tim Amyx	Source or Data	CER Class Description
Institution Name	Volunteer State Community College		
Institution Description	2-year Public		
Learner Description	Students who have earned a		
Learner Description	Technical Certificate or Associate		
(full/part time, traditional, dual credit, etc.)	of Applied Science		
Description of Record			
Seconplian di Necona			
(co-curricular record, engagement record, transcript, etc.)	Warranty Card		
Issuer of Record			
(Institution, Campus, School, Other unit on campus, etc.)	Registrar		
Data Repository			
(e.g., SIS, Bolt-on tables to SIS, LMS, Local Developed, Vended, etc.)	Banner bolt-on (local) table		
	Program accreditation bodies and		
Alignment with Learning Outcome or Competency Standard	the Tennessee Board of Regents		
(e.g., CASE, LEAP, etc.)	common curricula		
Credential Rendering			1
(e.g., Digital Badge, Digital Certificate, PDF, etc.)	Digital warranty card		
Achievement, Assertion and Association General Questions	VI - 0 - 0		
Who is the issuing authority of the credential (State Accreditation (degree),		Accredited by The Southern Associa	tion of Colleges and Schools
Institution, Campus, School, Department, etc.)?	Commission on Colleges (SACSCOC))	
Do your achievements (competencies, courses, awards, etc.) have a			
hierarchical relationship? For example, do competencies roll up to a course		Credential are all represented as ach	
or courses roll up to a degree?	be children of concentrations, Majors	s and Credentials and of a degree (ac	cademic programs).
Do any of your achievements "stand alone" i.e. not roll up to a higher order			
award or achievement? If your achievements can be both (that is stand alone AND support a higher level award), please explain.	good example of this.	ndently and in support of a higher lev	el credential. A concetration is a
	good example of this.		
Are there "potential" conceptual levels, chronological segments (such as a term-based header), aggregation points, that need to be represented within			
the record?	Not at this time.		
	The tar time time.		
Does an aspirational award or credential need to be represented in order to			
structure the events or curriculum supporting it? Examples include, but are not limited to, degree objectives (stduent major), higher level learning	Voc. Major represents a contextual	achievement used to define the set of	of loarning outcomes, courses
outcomes e.g., critical thinking), certificates, etc.	activities that are germane to it.	achievement used to define the set of	or learning outcomes, courses,
In addition to your responses to above, are there other factors constituting	detivities that are germane to it.		
to our mapping of records to Achievements and how these achievements			
relate to one another?			
	Learning outcomes are children of Co	oncentrations, Credentials, Major and	Degree Concentrations can be
	_	gree. Credentials can be children of	=
Please describe your mapping to the IMS CLR Achievement Class.	Major is the child of academic progra		, p p
Please describe how your achievements are related to one another and how			
you represented the relationship via the Association Class.			
Please describe if you added any additional information to the Assertion			
class beyond matching learner and achievement? For example, honors			
notations, learning artifacts, etc.			
CLR Record / Package	Response	Source of Data	CLR Class Description
Туре	CLR	Default	6.1.7 "Clr" class
IssuedON	Date	generated at the time of issue	6.1.7.5 "issuedOn"
Extension (e.g., internal tracking request number, etc.) - Seldom used but if u	N/A	N/A	
Learner Data	Response	Source of Data	CLR Class Description
Family name	Banner Last Name	Banner	6.1.18.8 "name"
Given name	Banner First Name	Banner	6.1.18.8 "name"
Additional name (e.g. middle name)	Banner Middle Name	Banner	6.1.18.8 "name"
and the land of the latest and the l			C 4 40 40 llowed - 24 dll
source did (unique ID for interoperability with other identity systems)	UUID Bannar ID	Danner	6.1.18.13 "studentId"
student ID	Banner ID Banner Birthdate	Banner	6.1.18.13 "studentId"
birthdate		Banner	6 1 19 3 "address"
address	n/a n/a		6.1.18.3 "address" 6.1.18.14 "telephone"
phone		Pannar	6.1.18.14 "telephone" 6.1.18.5 "email"
email	College-issued email address n/a	Banner	6.1.18.5 "email" 6.1.18.7 "image"
image	II/a		5.1.10./ IIIIaye
CLR Publisher Data	Response	Source of Data	CLR Class Description
Issuer of CLR (Institution, campus, etc.)	Volunteer State Community College	Generated at time of issue	6.1.18.8 "name"

	1480 Nashville Pike		
	Gallatin, TN 37066		
	615-452-8600		
	records@volstate.edu		
Issuer address, telephone, email, web URL	www.volstate.edu	Generated at time of issue	6.1.18.3 "address"
	https://www.volstate.edu/sites/defa		
	ult/files/logos/VSCC_horz_blue_red.		
Issuer image/logo	png		6.1.18.7 "image"
Is there an organization that this issuer belongs to? (e.g. university system)	Tennessee Board of Regents	Generated at time of issue	6.1.18.15 "url"
Ashissana Assantian and Assasistian Data			
Achievement, Assertion and Association Data			
Achievement 1 (General questions)			
Active verificity (General questions)			
What is the criteria for earning this achievement?	Successful completion of credential	requirements	
Does this achievement have a possible range of results or a specific type of			
result (e.g. assessment score within a range)?	No		
Is this achievement aligned to a skill or standard available in a framework?			
Describe.	No		
Is this achievement endorsed by a third party? Describe.	No		
Is an Image associated with this achievement?	No		
Is this achievement associated with another achievement such as a sub-			
achievement or prerequisite? Describe.	Major		
Achievement 1 (CLR Mapping)	Response	Source of Data	CLR Class Description
Name	Credential	Banner	6.1.1.10 "name"
Description	Credential	Banner	6.1.1.7 "description"
Achievement Type	Credential		6.1.1.2 "type"
Issuer of Achievement	Volunteer State Community College		6.1.1.13 "issuer"
Publisher	Registrar		0.4.4.0.115
Human Code	0	ļ	6.1.1.9 "humanCode"
Result Description	Status		6.1.1.16 "resultDescriptions"
System Identifier(s)	AAS, CRT1, or CRT2	Banner	0.4.4.0.11
Credits	Varies	Banner	6.1.1.6 "creditsAvailable"
What entity is the source of this assertion (e.g. org or person that assessed the achievement)?	Registrar		
Is a start and end date associated with this achievement?	Start Date		
Does this assertion expire at a certain date or after a specific time period?	No		
Can this assertion be revoked?	Yes		
Credits earned	Varies		
What are the learner's specific results?			
Is a license number issued with this assertion?	No		
	INU		
What evidence is submitted by the learner?	None		
Did the learner have a specific role or title with this achievement (e.g.	None		
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.)	None No		
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion?	No No		lan a
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping)	No No No Response	Source of Data	CLR Class Description
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner)	None No No Response Student	Source of Data	6.1.5.12 "recipient"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned)	No No No Response	Source of Data	6.1.5.12 "recipient" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.)	None No No Response Student	Source of Data	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable)	None No No Response Student	Source of Data	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.)	None No No Response Student Credential		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn)	None No No Response Student	Source of Data Banner	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits	None No No Response Student Credential		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient 1D (learner) Achievement 1D (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.)	None No No Response Student Credential		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed)	None No No Response Student Credential		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.)	None No No Response Student Credential		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "seudOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed)	None No No Response Student Credential Graduation Date		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Saturation of the ended of the end of the	None No No Response Student Credential Graduation Date		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed)	None No No Response Student Credential Graduation Date		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section	None No No Response Student Credential Graduation Date Yes Awarded	Banner	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.15 "revoked"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Extensions (as needed) Results Section	None No No Response Student Credential Graduation Date Yes	Banner Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Alignments	None No No Response Student Credential Graduation Date Yes Awarded	Banner Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.40 "iscuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Value Result Value	None No No Response Student Credential Graduation Date Yes Awarded	Banner Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Extensions (as needed) Results Section Result Value Result Description Alignments Extensions (as needed - please explain)	None No No Response Student Credential Graduation Date Yes Awarded	Banner Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Alignments	None No No Response Student Credential Graduation Date Yes Awarded	Banner Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Extensions (as needed) Results Section Result Value Result Description Alignments Extensions (as needed - please explain)	None No No Response Student Credential Graduation Date Yes Awarded	Banner Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Result Value Result Description Alignments Extensions (as needed - please explain) Achievement 2 (General questions)	None No No Response Student Credential Graduation Date Yes Awarded Awarded Awarded	Banner Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Section Result Value Result Description Alignments Extensions (as needed - please explain) Achievement 2 (General questions) What is the criteria for earning this achievement?	None No No Response Student Credential Graduation Date Yes Awarded Awarded Awarded	Banner Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Extensions (as needed) Results Section Result Value Result Description Aligments Extensions (as needed - please explain) Achievement 2 (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of	None No No Response Student Credential Graduation Date Yes Awarded Awarded Successful completion of credential	Banner Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Result Value Result Description Alignments Extensions (as needed - please explain) Achievement 2 (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)?	None No No Response Student Credential Graduation Date Yes Awarded Awarded Successful completion of credential	Banner Generated at time of Issue Generated at time of Issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.4 "creditsEamed" 6.1.5.4 "creditsEamed" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.5 "endDate" 6.1.5.3 "achievement"

Is an image associated with this achievement?	No		
Is this achievement associated with another achievement such as a sub-			
achievement or prerequisite? Describe.	Credential, Learning Outcome, and/o		
Achievement 2 (CLR Mapping)	Response	Source of Data	CLR Class Description
Name	Major	Banner	6.1.1.10 "name"
Description Achievement Type	Major Major	Banner	6.1.1.7 "description" 6.1.1.2 "type"
Issuer of Achievement	Registrar		6.1.1.13 "issuer"
Human Code	Registrai		6.1.1.9 "humanCode"
Result Description	Status		6.1.1.16 "resultDescriptions"
System Identifier(s)	Major Code	Banner	0.1.1.10 lesuitDescriptions
Credits	Varies	Banner	6.1.1.6 "creditsAvailable"
Achievement 2 Assertion			
(awarding achievement to a specific learner)			
What entity is the source of this assertion (e.g. org or person that assessed			
the achievement)?	Registrar		
Is a start and end date associated with this achievement?	No		
Does this assertion expire at a certain date or after a specific time period?	No		
Can this assertion be revoked?	Yes		
Credits earned	Varies		
What are the learner's specific results?			
Is a license number issued with this assertion?	No.		
What evidence is submitted by the learner?	None		
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.)	No		
Does a third party endorse this assertion?	No		
Assertion 2 (CLR Mapping)	Response	Source of Data	CLR Class Description
Recipient ID (learner)	Learner	Source of Data	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	Major		6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)	inajo.		6.1.5.7 "evidence"
License (If Applicable)			6.1.5.10 "licenseNumber"
Role (if appropriate - e.g., President, civic advocate, etc.)			6.1.5.16 "role"
Date issued (IssuedOn)	Graduation Date	Banner	6.1.5.9 "issuedOn"
Credits	As defined		6.1.5.4 "creditsEarned"
Source (Internship, etc.)			6.1.5.18 "source"
Start Date (if needed)			6.1.5.19 "startDate"
End Date (if Needed)			6.1.5.5 "endDate"
Can this assertion be revoked?	Yes		6.1.5.15 "revoked"
Extensions (as needed)			6.1.5.3 "achievement"
Results Section			
Result Value	Awarded	Generated at time of Issue	6.1.20.7 "requiredValue"
Result Description	Awarded	Generated at time of Issue	6.1.19.5 "resultDescription"
Alignments			6.1.20.3 "alignments"
Extensions (as needed - please explain)			
Associations (CLR Mapping)		•	
Achievement Type	isChildOf	Generated at time of Issue	6.1.6.1 "associationType"
Target ID	Credential (Degree)	Generated at time of Issue	6.1.6.2 "targetId"
	Oredermai (Begree)	Ocherated at time of 1994c	
Achievement 3 (General questions) What is the criteria for earning this achievement?			0.1.0.2 targetiu
what is the criteria for earning this achievement?	Cusassaful assentation of avadantial	requirements	0.1.0.2 talgetiu
Ÿ	Successful completion of credential	requirements	0.1.0.2 talgettu
Does this achievement have a possible range of results or a specific type of	·	requirements	o.t.o.z rargenu
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)?	Successful completion of credential	requirements	<u>0.1.0.2 targettu</u>
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework?	No	requirements	<u>0.1.0.2 talyetu</u>
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework? Describe.	·	requirements	<u>0.1.0.2 talyguu</u>
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework? Describe. Is this achievement endorsed by a third party? Describe.	No No No	requirements	<u>0.1.0.2 talyetu</u>
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework? Describe.	No No	requirements	<u>0.1.0.2 talyetu</u>
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework? Describe. Is this achievement endorsed by a third party? Describe. Is an image associated with this achievement?	No No No	requirements	<u>U.1.U.Z. (algettu</u>
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Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework? Describe. Is this achievement endorsed by a third party? Describe. Is an image associated with this achievement? Is this achievement associated with another achievement such as a subachievement or prerequisite? Describe. Achievement 3 (CLR Mapping) Name	No No No No Major and/or Learning Outcome Response Concentration	Source of Data Banner	CLR Class Description 6.1.1.10 "name"
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Is a license number issued with this assertion?	No		
What evidence is submitted by the learner?	None		
Did the learner have a specific role or title with this achievement (e.g.			
President, Intern, Captain, etc.)	No		
Does a third party endorse this assertion? Assertion 3 (CLR Mapping)	No Response	Source of Data	CLR Class Description
Recipient ID (learner)	Learner	Source of Data	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	Concentration		6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)	on on the think		6.1.5.7 "evidence"
License (If Applicable)			6.1.5.10 "licenseNumber"
Role (if appropriate - e.g., President, civic advocate, etc.)			6.1.5.16 "role"
Date issued (IssuedOn)	Graduation Date	Banner	6.1.5.9 "issuedOn"
Credits			6.1.5.4 "creditsEarned"
Source (Internship, etc.)			6.1.5.18 "source"
Start Date (if needed)			6.1.5.19 "startDate"
End Date (if Needed)			6.1.5.5 "endDate"
Can this assertion be revoked? Extensions (as needed)			6.1.5.15 "revoked" 6.1.5.3 "achievement"
Results Section			0.1.3.3 acmevement
	Ad-d	0	0.4.00.7
Result Value	Awarded Awarded	Generated at time of Issue Generated at time of Issue	6.1.20.7 "requiredValue"
Result Description Alignments	Awarded	Generated at time or issue	6.1.19.5 "resultDescription" 6.1.20.3 "alignments"
-			6.1.20.3 alignments
Extensions (as needed - please explain)			_
Associations (CLR Mapping)	isChildOf	Generated at time of leave	6.1.6.1 "associationType"
Achievement Type		Generated at time of Issue	6.1.6.1 "associationType"
Target ID	Major	Generated at time of Issue	6.1.6.2 "targetId"
Achievement 4 (General questions)	Cuppendul completion of and the	za guiramanta	
What is the criteria for earning this achievement?	Successful completion of credential	requirements	
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)?	No		
Is this achievement aligned to a skill or standard available in a framework?			
Describe.	No		
Is this achievement endorsed by a third party? Describe.	No		
Is an image associated with this achievement?	No		
Is this achievement associated with another achievement such as a sub-			
achievement or prerequisite? Describe.	Credential, Major and/or Concentration		
Achievement 4 (Learning Outcome)	Response	Source of Data	CLR Class Description
Name	Learning Outcome	Banner	6.1.1.10 "name"
Description	Learning Outcome	Banner	6.1.1.7 "description"
Achievement Type	Learning Outcome		6.1.1.2 "type"
Issuer of Achievement	Registrar		6.1.1.13 "issuer"
Human Code			6.1.1.9 "humanCode"
Result Description	Status		6.1.1.16 "resultDescriptions"
System Identifier(s)	Degree, Major, and/or Concentration	Banner	0.4.4.0
Credits	n/a		6.1.1.6 "creditsAvailable"
Achievement 4 Assertion (awarding achievement to a specific learner)			
What entity is the source of this assertion (e.g. org or person that assessed			
the achievement)?	Registrar		
Is a start and end date associated with this achievement?	No		
Does this assertion expire at a certain date or after a specific time period?	No		
Can this assertion be revoked?	Yes		
Credits earned	Varies		
What are the learner's specific results?			
Is a license number issued with this assertion?	No		
What evidence is submitted by the learner?	None		
Did the learner have a specific role or title with this achievement (e.g.	NI-		
President, Intern, Captain, etc.)	No		
Does a third party endorse this assertion? Assertion 4 (CLR Mapping)	No Response	Source of Data	CLR Class Description
Recipient ID (learner)	Izeapolise	Source of Data	6.1.5.12 "recipient"
Achievement ID (Achievement earned)			6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)			6.1.5.7 "evidence"
License (If Applicable)			6.1.5.10 "licenseNumber"
Role (if appropriate - e.g., President, civic advocate, etc.)			6.1.5.16 "role"
Date issued (IssuedOn)	Graduation Date	Banner	6.1.5.9 "issuedOn"
Credits			6.1.5.4 "creditsEarned"
Source (Internship, etc.)			6.1.5.18 "source"
Start Date (if needed)			6.1.5.19 "startDate"
End Date (if Needed)			6.1.5.5 "endDate"
Can this assertion be revoked?			6.1.5.15 "revoked"
1		1	6.1.5.3 "achievement"
Extensions (as needed)			
Results Section			
	Awarded	Generated at time of Issue	6.1.20.7 "requiredValue"
Results Section	Awarded Awarded	Generated at time of Issue Generated at time of Issue	6.1.20.7 "requiredValue" 6.1.19.5 "resultDescription"
Results Section Result Value			
Results Section Result Value Result Description			6.1.19.5 "resultDescription"
Results Section Result Value Result Description Alignments Extensions (as needed - please explain)			6.1.19.5 "resultDescription"
Results Section Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping)	Awarded	Generated at time of Issue	6.1.19.5 "resultDescription" 6.1.20.3 "alignments"
Results Section Result Value Result Description Alignments Extensions (as needed - please explain)			6.1.19.5 "resultDescription"
Results Section Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping)	Awarded	Generated at time of Issue Generated at time of Issue	6.1.19.5 "resultDescription" 6.1.20.3 "alignments"

<u>University of California San Diego – Enhanced Electronic Transcript and</u> Co-Curricular Record

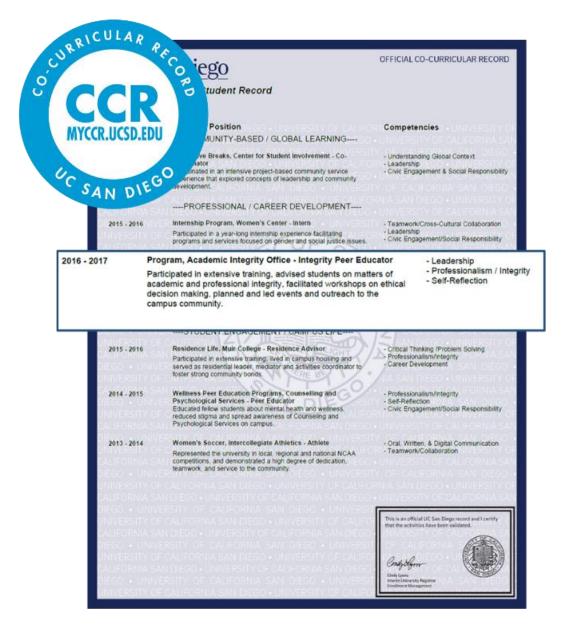
The University of California San Diego developed a suite of Engaged Learning Tools (ELTs) which provide a comprehensive set of tools that help students discover, capture, review and share their curricular, co-curricular and professional accomplishments. The overarching purpose of this suite of tools is to encourage engagement, help students reflect on and articulate competencies developed, and share a holistic picture of students' learning and accomplishments at UC San Diego and beyond.

Two of the ELTs include UC San Diego's expanded, integrated student record: the Enhanced Electronic Transcript and the Co-Curricular Record (CCR). The Enhanced Electronic Transcript embeds contextual curricular information into the academic transcripts. Through clicking hyperlinks embedded in the transcript, end users can read the course description, instructor name and contact, grade distribution for the course section. The Co-Curricular Record is a validated record of students' involvement in opportunities beyond the classroom and the competencies developed. Highlighted on the Record is the opportunity name, position held, short description of the opportunity, and up to three competencies developed from a predetermined list of competencies which includes critical thinking/problem solving, research ability, leadership, and innovative/entrepreneurial thinking.

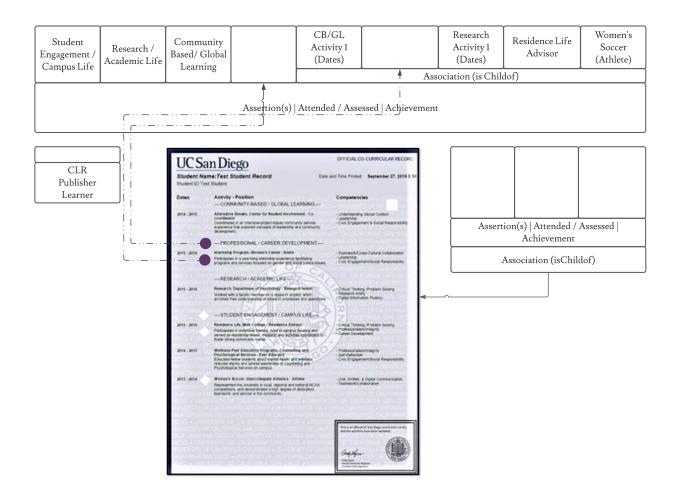
The two primary purposes of the Record are to 1) encourage engagement, and 2) act as an official record and reflective tool. By having the CCR printed with the transcript, UC San Diego is asserting student involvement beyond the classroom is valued and that it should be part of the students' recorded experience at the institution. This is an important message for students, their parents/families, employers, and staff and faculty at the institution. Students are encouraged to use their Record when applying for jobs, graduate/professional programs and for awards-either submitting the Record where appropriate or using the Record as a reflective tool to help identify and articulate competencies and skills developed.

UC San Diego is a traditional, full-time, four-year, public institution. All undergraduate, graduate, and professional students have the opportunity to create, discover, capture, review and share their learning experiences.

Co-Curricular Record (CCR) – Rendered Sample



Step 1: High-Level Mapping of Record to CLR Standard Elements



UC San	Diego- CLR Campus Planning/Ma	apping Template - Final	
	UC San Diego, Co-Curricula	r Record	
Background		Response	
uthor	Cindy Lyons		
stitution Name	UC San Diego		
stitution Description	4 year +, Public, Large, Residential, Research 1, Enrollment ~38,000. Part	of University of California System.	
arner Description ull/part time, traditional, dual credit, etc.)	Learner is a 4 year residential full time undergraduate, a full time graduate		
ampartano, addisona, addisona, oto.			The OLD is a south date.
escription of Record co-curricular record, engagement record, transcript, etc.) suer of Credential	The CLR is a suite of tools that help students to discover, capture, review a environment than what is provided in the example which is the Co-Curricula the classroom. Each opportunity including a brief description and the skills of	r Recrod. The Co-Curricular Record highlights student involvement:	nments, The CLK is a much richer and achievements in opportunities beyon
Institution, Campus, School, Other unit on campus, etc.) rimary and Secondary Data Repository(ies)	UC San Diego, Office of the Registrar		
e.g., ŠIS, Bolt-on tables to SIS, LMS, Local Developed, Vended, etc.) ignment with Learning Outcome or Competency Standard	Orbis Communications, third party vendor solution Association of American Colleges & Universities Value Learning Outcomes,	Council for the Advancement of Standards in Higher Education Lea	rning & Devleopment Outcomes, WASC
.g., CASE, LEAP, etc.)	Senior College and University Commission Core Competencies, National A	ssocaiton of Colleges and Employers Career Readiness Competence	iles
.g., Digital Badge, Digital Certificate, PDF, etc.)	PDF		
hievement, Assertion and Association General Questions			
to is the issuing authority of the credential (State Accreditation (degree), titution, Campus, School, Department, etc.)?	UC San Diego, Office of the Registrar		
o your achievements (competencies, courses, awards, etc.) have a erarchical relationship? For example, do competencies roll up to a course courses roll up to a degree?	Yes - competencies roll up to one or more of the following achievements: Research and Academic Life Student and Campus Engagement Community-Based and Global Learning Professional and Career Development		
o any of your achievements "stand alone" i.e. not roll up to a higher order vard or achievement? If your achievements can be both (that is stand alone ND support a higher level award), please explain.	Achievements can stand alone or roll up to mutilple higher achievements. C	rur goal is to encourage as many engagements as possible during a re higher achievements (Research and Academic Life; Student and	student's career at UC San Diego. The Campus Engagement; Community-Base
re there "potential" conceptual levels, chronological segments (such as a rm-based header), aggregation points, that need to be represented within e record?	Yes, Highest Achievement (Research and Academic Life; Student and Cam Year > Activity/Position/Competency	pus Engagement; Community-Based and Global Learning;Professio	nal and Career Development) > Academ
pes an aspirational award or credential need to be represented in order to cructure the events or curriculum supporting it? Examples include, but are thimlet to, degree objectives (stduent major), higher level learning stcomes e.g., critical thinking), certificates, etc.	No		
addition to your responses to above, are there other factors constituting to ur mapping of records to Achievements and how these achievements relate one another?			
ease describe your mapping to the IMS CLR Achievement Class.	The mapping is guided by by the following heirarchy: Highest Achievement Professional and Career Development) > Academic Year > Activity/Position.	(Research and Academic Life; Student and Campus Engagement; C Competency	Community-Based and Global Learning;
lease describe how your achievements are related to one another and how ou represented the relationship via the Association Class.	Competencies grow from multiple engagments and can be associated with	multiple higher level acheivements.	
ou represented the relationship via the Association Class. ease describe if you added any additional information to the Assertion ass beyond matching learner and achievement? For example, honors tations, learning artifacts, etc.	Competencies grow from multiple engagments and can be associated with Academic Year, Brief description of the opportunity/achievement, and up to		
u represented the relationship via the Association Class. sease describe if you added any additional information to the Assertion sas beyond matching learner and achievement? For example, honors tations, learning artifacts, etc.			CLR Class Description
urepresented the relationship via the Association Class. sase describe if you added any additional information to the Assertion sas beyond matching learner and achievement? For example, honors altions, learning artifacts, etc.	Academic Year, Brief description of the opportunity/achievement, and up to	3 competencies that may have been developed.	6.1.7 "Clr" class
represented the relationship via the Association Class. ase describe if you added any additional information to the Assertion ss beyond matching learner and achievement? For example, honors ations, learning artifacts, etc. R Record / Package Type IssuedON	Academic Year, Brief description of the opportunity/achievement, and up to Response	3 competencies that may have been developed, Source of Data	
represented the relationship via the Association Class. ase describe if you added any additional information to the Assertion ss beyond matching learner and achievement? For example, honors ations, learning artifacts, etc. R Record / Package Type IssuedON	Academic Year, Brief description of the opportunity/achievement, and up to Response CLR	3 competencies that may have been developed. Source of Data Default	6.1.7 "Clr" class
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chievement or prerequisite? Describe.	No		
	Response	Source of Data	CLR Class Description
hievement (Number) (CLR Mapping)			
Achievement (Name)	Co-Curricular Record	CCR Database-Orbis Communications	6.1.1.10 "name"
	Co-Curricular Record highlights student involvement and achievements beyond the classroom. Each achievement including a brief description		
Achievement Description	(position and activity) and the skills developed on an official record.	CCR Database-Orbis Communications	6.1.1.7 "description"
Achievement Type (See 2nd tab)	Co-Curricular		6.1.1.2 "type"
Issuer of Achievement (Issuer ID (Internally defined))			6.1.1.13 "issuer"
Human Code (Optional)			6,1,1,9 "humanCode"
Credits (if applicable)			6.1.1.6 "creditsAvailable"
	AAC&U, CAS, WASC Senior College and University Commission Core		
Alignments (e.g., CASE)	Competencies, NACE		6,1,1,4 "alignments"
Level (if applicable)			6.1.1.14 "level"
Extensions (e.g., School/Department Name, etc.) - Please explain			6.1.1.20 "extensions"
chievement (Number) Assertion warding achievement to a specific learner)			
ssertions (General Questions)			
hat entity is the source of this assertion (e.g. org or person that assessed			
e achievement)?	Staff and/or Faculty of the Academic and Student Affairs units of UC San Di	ego	
a start and end date associated with this achievement?	Academic Year		
a license number issued with this assertion?	No		
What entity is the source of this assertion (e.g. org or person that assessed			
e achievement)?	Staff and/or Faculty of the Academic and Student Affairs units of UC San Di	ego	
Vhat are the learner's specific results?	Competencies and transferable skills accomplished		
What evidence is submitted by the learner?	None		
id the learner have a specific role or title with this achievement (e.g.	I.		
Did the learner have a specific role or title with this achievement (e.g. resident, Intern, Captain, etc.)	In some cases yes.		
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.) Does a third party endorse this assertion?	In some cases yes.		
President, Intern, Captain, etc.)			
resident, Intern, Captain, etc.) Does a third party endorse this assertion?			
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period?	No No		
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President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Lan this assertion be revoked?	No No	Source of Data	CLR Class Description
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<u>University of Central Oklahoma – Student Transformational Learning Record (STLR Snapshot)</u>

The University of Central Oklahoma's Student Transformative Learning Record (STLR) process helps develop students' beyond-disciplinary skills and expand their perspectives of their relationships to self, others, community and environment. The STLR Snapshot is the record of this development.

Roughly half of the student population fit into one or more at-promise categories: first-generation, low- income, underrepresented. Over 80% of students are commuters to campus. The University has a metropolitan mission as a master's comprehensive university of 12,000+ students, a significant portion of whom are older adults returning to higher education.

"Beyond-disciplinary learning" includes employability and citizenship development, for example, and in some ways is what many might term "soft" or "essential" skills. The Transformative Learning approach at UCO, however, means STLR also helps develop students holistically in an intentionally designed process that tracks, assesses, and documents that development. The areas within which that development occurs — UCO's Central Six Tenets — includes one, Disciplinary Knowledge, in which student development is represented on the academic transcript. The other five are areas within which STLR assignments and activities contribute to student growth: Global and Cultural Competencies; Health and Wellness; Leadership; Research, Creative, and Scholarly Activities; and Service Learning and Civic Engagement.

There are rubrics for each of the STLR tenets. STLR engagement in the curriculum occurs when faculty 'STLR-tag' an existing assignment with one or more of the STLR tenets by having students provide responses to well-designed reflective prompts that connect the tenet(s) to the assignment. Faculty grade the assignment as usual, then use the tenet rubrics to assess the reflective prompts at one of three levels of achievement: Exposure (lowest), Integration (middle), Transformation (highest). In the co-curriculum, where STLR-tagged activities may have hundreds of students attending, UCO's ID card-swipe system has been integrated with the LMS to auto-assign the lowest level of achievement, Exposure, because all that is known for sure is that the student attended and was exposed to concepts embodied in the tenet(s). Co-curricular events, student groups, outside-of-class projects, on-campus internships, and many other types of STLR co-curricular activity does, however, allow for the collection of reflective artifacts by faculty or staff, and those reflections are assessed with the rubrics.

There is no requirement that students achieve any level in the tenets in order to graduate. Student STLR participation is voluntary, though it has become inevitable as the faculty continually add STLR-tagged assignments to their courses. There is no 'leveling up' across STLR achievement levels; because this development is evidence- and rubrics-based, having X number of achievements assessed at one level does not automatically mean that X+1 achievements in that tenet advances one to the next level up — each STLR reflective artifact is assessed against the rubrics.

Students may create different versions of the STLR Snapshots because anything they choose to put into the Snapshot has been vetted by the university. Official STLR Snapshots carry the Registrar's imprint.

STLR Snapshot – Rendered Sample (front and back)

100 N. University Drive Edmond, OK 73034 FICE = 003152



Office of Enrollment Services 124 Nigh University Center (405) 974-3741 FAX (405) 974-3841

Central Oklahoma

Student Transformative Learning Record



Global and Cultural Competencies

Transformation	Integration	Exposure
Keen sense of cultural self and an identity as a global citizen has emerged	Developing sense of cultural self; and relation to the global community.	Beginning awareness of cultural self; openness to learning.



Health and Wellness

Transformation	Integration	Exposure
A holistic view of health and wellness for self and community is articulated and practiced.	A developing holistic view; some application to self and community with some ability to evaluate own behavior.	



Leadership

Transformation	Integration	Exposure
Leadership knowledge and skill are applied effectively to community or campus issues	Leadership is developing; knowledge and skills are applied at a basic to	Leadership skills are being tried out with increasing understanding.



Research Creative and Scholarly Activities

Transformation	Integration	Exposure
The "why" and the	Relevant inquiry about	Skills in research and the
"how" of research and	research and creative	creative process are
creation are grasped	process & skills are	developing; ideas are
and show in work.	developing.	beginning to emerge.



Service Learning and Civic Engagement

Transformation	Integration	Exposure
Deep engagement in the community, both through learning and helping.	Awareness of community issues and the importance of engagement.	First experiences in volunteering and civic interest.

The Student Transformative Learning Record is an accurate reflection of the named student's transformative learning achievements at the University of Central Oklahoma. Information provided in the student's e-portfolio is not curated by the university and is therefore not an official representation of the student's work while enrolled at the University.

ACCREDITATION:

The University of Central Oklahoma is accredited by the Higher Learning Commission/North Central Association of Colleges and Schools as a bachelor's and master's degree granting institution.

NAME CHANGE HISTORY:

1890	Territorial Normal School	1939	Central State College
1904	Central State Normal School	1971	Central State University
1919	Central State Teachers College	1990	University of Central Oklahoma

Firstname Lastname *00001234 ****-**-1254 Today's Date



The purpose of this record is to provide a visual representation of this student's achievement in the University of Central Oklahoma's (UCO) Tenets of Transformative Learning.

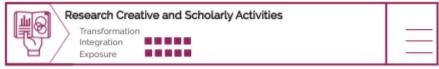
This student's educational experience at UCO has resulted in achievements at the exposure, integration or transformation level as indicated below.

See the key on the back of this document for short descriptions of what these levels of learning indicate with regard to student knowledge and experience.

These experiences have been assessed and validated by trained faculty and professional staff members at the University of Central Oklahoma.



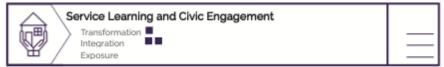
- ▶ GC Dropbox Life Review Care of Vulnerable Individuals Fall 2016 Exposure
- ▶ Mod 6 Korea Lecture--STLR Global Cultural Competency International Marketing Fall 2016 Exposure
- Assignment 2 Photo Essay Regional Geo Of The World Fall 2016 Integration



- ▶ Research, Creative, & Scholarly Activities Dropbox Music Outreach Program 2016 Fall 2016 Integration
- Mosquito Experiment Biology I for Majors Fall 2016 Exposure
- ▶ RCSA Reflection Assignment STLR- Dropbox Landmark Cases in Forensic Sci Fall 2016 Integration
- ► Assignment 2 Photo Essay Regional Geo Of The World Fall 2016 Integration



- Assignment 2 Photo Essay Regional Geo Of The World Fall 2016 Integration
- Marriage Initiative STLR Assignment Landmark Cases in Forensic Sci Fall 2016 Exposure
- GC Dropbox Life Review Care of Vulnerable Individuals Fall 2016 Exposure

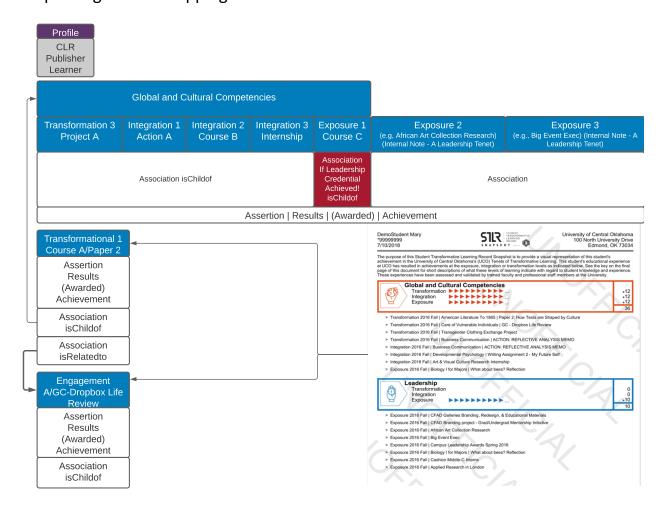


- Assignment 2 Photo Essay Regional Geo Of The World Fall 2016 Integration
- ► Service Learning Project STLR Success Central Fall 2016 Transformation



- ▶ The Little Event-STLR Success Central Fall 2016 Integration
- ▶ OIFC Visit Reflection Paper Intro to Crime Analysis Fall 2016 Exposure

Step 1: High-Level Mapping of Record to CLR Standard Elements



Draft-	CLR Campus Planning/Mapping	Template - V1- Draft			
	University of Central Oklahoma S	STLR Snapshot			
Background		Response			
Author	Jeff King, jking47@uco.edu				
nstitution Name	University of Central Oklahoma				
nstitution Description	Master's Comprehensive State University, metropolitan-serving, 50%(ish) at-promise student population, 80%+ commuter students; 13,000+ student body				
earner Description ull/part time, traditional, dual credit, etc.)	All UCO students				
Description of Record co-curricular record, engagement record, transcript, etc.)	Evidence-based record of student development in one or more of UCO's five beyond-disciplinary Central Tenets: Global & Cultural Competencies; Health & Wellness; Leadership; Rsearc Creative, and Scholarly Activities; Service Learning and Civic Engagement				
ssuer of Record Institution, Campus, School, Other unit on campus, etc.) frimary and Secondary Data Repository(ies)		University of Central Oklahoma			
Boll-on tables to SIS, LMS, Local Developed, Vended, etc.) lignment with Learning Outcome or Competency Standard a.g., CASE, LEAP, etc.)	SIS and the LMS database housing STLR-relevant data Tenet rubrcis are built on AAC&U VALUE rubrics, but STLR development does not result in any external-accredited or validated criteria				
redential Rendering	In-house student user interface to build versions of the STLR Snapshot, wi	nich is a student-customized 'picture in time' of STLR beyiond-dis	ciplinary development; students can save of		
e.g., Digital Badge, Digital Certificate, PDF, etc.)	PDFs of all versions created, so the Snapshot is a formative tool as well as an end-of-degree document (or multiple versions of the end-of-degree document)				
/ho's is the issuing authority of the credential (State Accreditation (degree), stitution, Campus, School, Department, etc.)?		University of Central Oklahoma			
low are your outcomes, milestones, events, engagements, courses, etc, elated to the credential(s) being awarded? Are they hierarchical (a set of compiled engagement/sactivities required to receive an award OR each tokevement stands on its own (be attested to separately) but may lead to a ligher award OR other	Each achievement stands on its own, but there are three levels at which an achievement can be assessed: Exposure (bottom level; learner reflection indicates only exposure to the Tener concepts), Integration (middle level; learner is beginning to integrate Tener's concepts into a personal conceptual framework), and Transformation (top level; here's how I will thinkact differently; for instance). These levels do not exist in a level-up' environment; they are assessed using STLR rubrics for each reflective artifact instance (i.e., getting X number of assessments at Exposure level does NOT ensure the X+1 engagement in that Tiene attendiately assesses at the relevel). In SERPEAR, students build to transformative understandings and internal shifts over time, but th evidence- & rubrics-based aspect of assessment means each assessment stands on its own.				
Are there "potential" conceptual levels, chronological segments, aggregation points, that need to be represented within the record? Does an aspirational ward or creditetal need to be represented in order to structure the events re curriculum supporting It? Exemples include, but are not limited to, degree continues to the control of the control o	requirement or even a requirement that students participate in STLR (though it's pretty unavoidable due to the presence of STLR-tagged assignments in classes).				
n addition to your responses to above, are there other factors constituting to ur mapping of records to Achievements and how these achievements relate p one another?					
lease describe your mapping of CLR data records to the IMS CLR achievement Class.	The Achievement type is "Assessment." A STLR Snapshot is comprised of roll up to one another in any way. The record of the collection of assessm	ents, though (& versions of it created by learners) represents stu	dent engagement across the range of STLI		
lease describe how your achievements are related to one another and ow you represented the relationship via the Association Class.	The Association type is "Other" because there aren't precedent or other rela way that connects to a pathway for learner achievement. Each	tionships among the various levels of achievement in each Tene assessment of a learner-produced reflective artifact is a stand-al	t, and the Tenets do not relate to each othe one statement at that point in time.		
lease describe if you added any additional information to the Assertion lass beyond matching learner and achievement?		No			
LR Record Profile					
Туре	Response CLR	Source of Data Default	CLR Class Description 6.1.7 "Clr" class		
IssuedON	Any time a student creates a version of her STLR Snapshot.	Generated at time of issue	6.1.7.5 "issuedOn"		
Extension (e.g., internal tracking request number, etc.) - Please explain	A Parchment tracking request # is generated when a student requests a Snapsho, but students can get into the system via the student portal to see their STLR credits at any time. That view shows them all their STLR engagements. The achievement level reached, the finest, the place & time engagements, the achievement level reached, the finest, the place & time earned (e.g., Spring 2021 HIST 1113). Students then select what they want to show on a given version of a Snapshot they send to an employer, for example, and a request for that version is what's sent to Parchment. (Students can save each version of another use if they want.)				
earner Data					
Family name		Ellucian Banner: SPRIDEN_LAST_NAME	6.1.18.8 "name"		
Given name Additional name (e.g. middle name)		Ellucian Banner: SPRIDEN_FIRST_NAME	6.1.18.8 "name"		
Additional name (e.g. middle name)		Ellipsian Panaga OPPIDEN AN	6 1 19 9 "nome"		
sourcedID (unique ID for interoperability with other identity systems - if		Ellucian Banner: SPRIDEN_MI	6.1.18.8 "name"		
sourcedID (unique ID for interoperability with other identity systems - if known)		Ellucian Banner: SPRIDEN_PIDM	6.1.18.8 "name" 6.1.18.12 "sourceld" 6.1.18.13 "studentId"		
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sourcedID (unique ID for interoperability with other identity systems - if known) student ID (Institutional) student birthdate(?) student address student phone (Optional)		Ellucian Banner: SPRIDEN, PIDM Ellucian Banner: SPRIDEN, ID Ellucian Banner: SPRDERS, BIRTH, DATE Ellucian Banner: SPRADOR, STREET, LINET (MA) Ellucian Banner: SPRTELE, PHONE, NUMBER (MA) Ellucian Banner: GOREMAL EMAIL, ADDRESS	6.1.18.12 "sourceld" 6.1.18.13 "studentid" 6.1.18.3 "address" 6.1.18.14 "telephone"		
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sourcedID (unique ID for interoperability with other identity systems - if known) student ID (institutional) student birthdate(?) student address student phone (Optional) student email student email student email student email student email student optional) CLR Publisher Data CLR Publisher (General Question) s there an organization that this issuer belongs to? (e.g. university system) so the issuer of the credential also the publisher? For example, a school may be the issuer of the credential but the Registrar is the publisher. If not, CLR Publisher Issuer of CLR (Institution, campus, etc.) Issuer ID (Internally defined) Issuer address, telephone, email, web URL Issuer image/logo	Yes, UCO issues the STLR Snapshot, which the Registrar has verified as a have the version of the Snapshot she wan Office of the Registrar, University of Central Oklahoma https://www.uco.edu/admissions-aid/enrollment_services/files/onlinetranscrip/request.pdf 100 N. University Dr. Edmond, OK 73034 https://www.uco.edu/ Assessment of the learner's critical reflective artifact. There are three levels of achievement: Exposure (lowest), The framework is UCO's Central Six Tenets. One Tenet, Disciplinary Knowl disciplinary skills/mindsets. The combination of Career Registration of Career Registrations and the combination of Career Registrations.	Ellucian Banner: SPRIDEN IPIDM Ellucian Banner: SPRIDEN ID Ellucian Banner: SPRIDEN ID Ellucian Banner: SPRIDEN SIRTH DATE Ellucian Banner: SPREDERS BIRTH DATE Ellucian Banner: SPREDER SIRTHET (IMA) Ellucian Banner: SPREDER SPREDER SIRTHET (IMA) Ellucian Banner: GOREMAL_EMAIL_ADDRESS (GOREMAL_PREFERRED_IND) NA 20 also is governed by regulations of the Oklahoma State Regen currate.Publishing the Snapshot occurs when the student engage is to send externally delivered to that recipient (e.g., employer or ellucian state of the State of	6.1.18.12 "sourceld" 6.1.18.13 "studentid" 6.1.18.3 "address" 6.1.18.14 "telephone" 6.1.18.5 "email" 6.1.18.7 "image" swith Parchment, our e-transcript vendor grad school). 6.1.18.1 "address" 6.1.18.1 "ur" 6.1.18.1 "ur" 6.1.18.1 "ur" 6.1.18.3 "address" 6.1.18.5 "uri" int or activity connects. cutty or staff based on rubrics. competencies). The other 5 Tenets are beyon tearing Outcomes (ILOs).		

Ashiousment ((CLB Mannion)					
Achievement 1 (CLR Mapping)			0.4.4.4.8.48		
Achievement ID (Internally assigned)			6.1.1.1 "id"		
Achievement Label (Name) (?)					
Achievement Description			6,1,1,7 "description"		
Achievement Type (See 2nd tab)	assessment		6.1.1.2 "type"		
Issuer of Achievement (Issuer ID (Internally defined))	faculty or staff member	LMS course shell or course pseudoshell (for out-of-class & co-curric)	6.1.1.13 "issuer"		
Human Code (?)			6.1.1.9 "humanCode"		
Credits (if applicable)	N/A		6,1,1,6 "creditsAvailable"		
Alignments (e.g., CASE)			6.1.1.4 "alignments"		
Level (if applicable)			6.1.1.14 "level"		
Extensions (e.g., School/Department Name, etc.) - Please explain			6.1.1.20 "extensions"		
Achievement 1 Assertion					
(awarding achievement to a specific learner)					
Assertions (General Questions)					
What entity is the source of this assertion (e.g. org or person that assessed the achievement)?	Individual faculty or staff who assigns the achievement level within a Tenet only	based on assessment against rubrics OR – auto-assignment of lowest ac by virtue of attending an event or activity	chievement level based on exposure		
,	No. There is not a planned pathway for participation in or required achievem	ent of any level of a STLR-tagged assignment or activity. However, if the ST	TLR engagement is an assignment		
Is a start and end date associated with this achievement?	class, there is a timetable within the class itself	for when students submit reflective artifacts that are assessed using STLR	rubrics.		
Is a license number issued with this assertion?	I add the life of the same of	No	hi		
What entity is the source of this assertion (e.g. org or person that assessed the achievement)?	Individual faculty or staff who assigns the achievement level within a Tenet only	based on assessment against rubrics OR – auto-assignment of lowest ac by virtue of attending an event or activity	chievement level based on exposure		
What are the learner's specific results?	Evidence of progress toward beyond-disciplinary skill development and/or rubrics (or a	perspective transformation in UCO's Tenets as expressed in self-reflective auto-assigned at Exposure for mere attendance).	artifacts and assessed using quality		
That are the found to opposite towards	·	V clip, personal interview, etc.) is necessary to receive Integration- or Trans	oformation level accessments, but		
What evidence is submitted by the learner?	reflective artifacts may also only receive lowest-leve	of Exposure, which all attendance-only activities automatically generate fo	r the student.		
,	, ,	, , ,			
Did the learner have a specific role or title with this achievement (e.g.					
President, Intern, Captain, etc.)		No			

Does a third party endorse this assertion?	No, except for faculty/staff who assess re	flective artifacts; there is no outside cerdentialing or accrediting body involve	ed.		
Does this assertion expire at a certain date or after a specific time period?	No. As with o	grades on a transcript, there is no expiration date.			
Can this assertion be revoked?		No T	1		
	Response	Source of Data	CLR Class Description		
Assertions (CLR Mapping)					
Assert ID					
Assertion ID			6.1.1.1 "id"		
Assertion ID Recipient ID (learner)			6.1.5.12 "recipient"		
Recipient ID (learner) Achievement ID (Achievement earned)	learning artifacts in form of critical self-reflections	LMS	6.1.5.12 "recipient" 6.1.5.3 "achievement"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.)	learning artifacts in form of critical self-reflections	LMS	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence"		
Recipient ID (learner) Achievement . ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License ((f Applicable)	learning artifacts in form of critical self-reflections	LMS	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.)	·		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn)	issue date (i.e., date student orders the student-built version of Snapshot)	LMS Generated at time of issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn"		
Recipient ID (learner) Achievement . ID (Achievement earned) Evidence (e.g URL, Learning Artfacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits	·		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URt., Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn)	issue date (i.e., date student orders the student-built version of Snapshot)		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn"		
Recipient ID (learner) Achievement . ID (Achievement earned) Evidence (e.g URL, Learning Artfacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits	issue date (i.e., date student orders the student-built version of Snapshot)		6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned"		
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Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (if Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results ID Result Value Result Description Alignments Extensions (as needed - please explain) Association 1(General questions)	issue date (i.e., date student orders the student-built version of Snapshot) N/A no awarded rubric level awarded	Generated at time of issue LMS generated at time of issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "avidence" 6.1.5.16 "role" 6.1.5.16 "role" 6.1.5.16 "role" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.15 "starDate" 6.1.5.15 "starDate" 6.1.5.15 "avoked" 6.1.5.3 "achievement" 6.1.20.1 "id" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.315 "resultDescription"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artfacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results ID Results ID Result Subscription Alignments Extensions (as needed - please explain) Associations (GR Mapping)	issue date (i.e., date student orders the student-built version of Snapshot) N/A no awarded rubric level awarded	Generated at time of issue LMS generated at time of issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.16 "role" 6.1.5.18 "source" 6.1.5.19 "startDate" 6.1.5.19 "startDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.1 "id" 6.1.20.3 "resultTyne" 6.1.20.3 "resultTyne" 6.1.20.3 "alignments"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if needed) Can this assertion be revoked? Extensions (as needed) Results Section Results ID Results Type Result Value Result Value Result Description Alignments Extensions (as needed - please explain) Association 1(General questions) Association 1(General questions) Associations (CLR Mapping) Association ID Achievement Type	issue date (i.e., date student orders the student-built version of Snapshot) N/A no awarded rubric level awarded	Generated at time of issue LMS generated at time of issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.3 "achievement" 6.1.5.15.1 "Veldence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.10 "sexedOn" 6.1.5.11 "sexedOn" 6.1.5.11 "sexedOn" 6.1.5.11 "sexedOn" 6.1.5.11 "sexedOn" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.5.3 "achievement" 6.1.20.1 "id" 6.1.20.8 "resultType" 6.1.20.7 "resultDescription" 6.1.20.3 "alignments"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results ID Results ID Results Type Result Value Result Value Result Description Alignments Extensions (as needed - please explain) Association 1(General questions) Associations (CLR Mapping) Associations (CLR Mapping) Associations (D. Achievement Type Source ID	issue date (i.e., date student orders the student-built version of Snapshot) N/A no awarded rubric level awarded	Generated at time of issue LMS generated at time of issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "avidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.16 "role" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "stanDate" 6.1.5.15 "aranDate" 6.1.5.19 "stanDate" 6.1.5.3 "achievement" 6.1.20.1 "id" 6.1.20.8 "resultType" 6.1.20.3 "aignments" 6.1.20.3 "aignments" 6.1.20.3 "aignments" 6.1.20.3 "aignments"		
Recipient ID (teamer) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if needed) Can this assertion be revoked? Extensions (as needed) Results Section Results Type Result Value Result Description Alignments Extensions (as needed - please explain) Association I(General questions) Association I(General questions) Associations (CLR Mapping) Association ID Achievement Type	issue date (i.e., date student orders the student-built version of Snapshot) N/A no awarded rubric level awarded	Generated at time of issue LMS generated at time of issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.3 "achievement" 6.1.5.15.1 "Veldence" 6.1.5.10 "licenseNumber" 6.1.5.10 "licenseNumber" 6.1.5.10 "sexedOn" 6.1.5.11 "sexedOn" 6.1.5.11 "sexedOn" 6.1.5.11 "sexedOn" 6.1.5.11 "sexedOn" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.5.3 "achievement" 6.1.20.1 "id" 6.1.20.8 "resultType" 6.1.20.7 "resultDescription" 6.1.20.3 "alignments"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artflests, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed) End Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results ID Results ID Results ID Results Type Result Value Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Associations (CLR Mapping) Associations (CLR Mapping) Association ID Achievement Type	issue date (i.e., date student orders the student-built version of Snapshot) N/A no awarded rubric level awarded	Generated at time of issue LMS generated at time of issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "avidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.16 "role" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "stanDate" 6.1.5.15 "aranDate" 6.1.5.19 "stanDate" 6.1.5.3 "achievement" 6.1.20.1 "id" 6.1.20.8 "resultType" 6.1.20.3 "aignments" 6.1.20.3 "aignments" 6.1.20.3 "aignments" 6.1.20.3 "aignments"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artfacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (If Needed) End Date (if Needed) End Date (if Needed) Can this assertion be revoked? Extensions (as needed) Results ID Results ID Results Type Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Association ID Achievement Type Source ID Target ID	issue date (i.e., date student orders the student-built version of Snapshot) N/A no no awarded rubric level awarded Exposure or Integration or Transformation	Generated at time of issue LMS generated at time of issue generated at time of assessment	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "avidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.16 "role" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "stanDate" 6.1.5.15 "aranDate" 6.1.5.19 "stanDate" 6.1.5.3 "achievement" 6.1.20.1 "id" 6.1.20.8 "resultType" 6.1.20.3 "aignments" 6.1.20.3 "aignments" 6.1.20.3 "aignments" 6.1.20.3 "aignments"		
Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (Internship, etc.) Start Date (If Needed) End Date (If Needed) Can this assertion be revoked? Extensions (as needed) Results Section Results ID Results ID Results Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Associations (CLR Mapping) Association ID Achievement Type Source ID Target ID	issue date (i.e., date student orders the student-built version of Snapshot) N/A no awarded rubric level awarded	Generated at time of issue LMS generated at time of issue generated at time of assessment	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "avidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.16 "role" 6.1.5.18 "source" 6.1.5.18 "source" 6.1.5.19 "stanDate" 6.1.5.15 "aranDate" 6.1.5.19 "stanDate" 6.1.5.3 "achievement" 6.1.20.1 "id" 6.1.20.8 "resultType" 6.1.20.3 "aignments" 6.1.20.3 "aignments" 6.1.20.3 "aignments" 6.1.20.3 "aignments"		

<u>University of Maryland Global Campus – Comprehensive Learner</u> <u>Record (UMGC CLR)</u>

University of Maryland Global Campus is the largest online public university in the country. More than 80% of UMGC students work full or part time, more than 60% are affiliated with the military and nearly half of UMGC students are parents. The Comprehensive Learner Record provides UMGC students with needed support in being able to articulate their learning within the classroom. The overall nature of the CLR for the UMGC student population is

intended to connect students to the professional opportunities that lead them to seek education through UMGC.

As adult learners, UMGC students start at the Institution with a wealth of prior life and work experience, and this draws into their decision as to why they have decided to seek additional knowledge, skills and abilities through formal education. One of the goals with the UMGC CLR is to capture and show the progression of learning through each project completed, course completed, or badge earned. This gives the student the ability to show and articulate learning that happens throughout the program, not just once the program has been successfully completed. For UMGC students who are already working and connected to an employer, this could support them in their career progression even before a degree is officially completed.

The digital aspect of the CLR gives students the ability to share the work they are doing through social media, and with ease through various electronic means. The language used in the CLR to represent a students' learning in the classroom can be easily translated to resumes, and during interviews. The progressive nature of the document allows students to have a reference and cumulative visual of everything they have learned throughout the program, giving weight to all of their achievements within the program.

Resources: https://www.umgc.edu/about/about-our-students-and-alumni/index.cfm

UNIVERSITY OF MARYLAND PROGRAM **GLOBAL CAMPUS** Jessica Lynn Cumberland MASTER OF BUSINESS ADMINISTRATION (MBA) JAN 1, 2021 **About The Program** program at UMGC is designed to develop analytics and **CIACBE** leadership skills. The program provides opportunities to work on real-life business problems in teams with University of Maryland Global Campus has received specialized accreditation for its business programs through the International Accreditation Council for Business 36 faculty, business mentors, and other adult learners from around the world. In the final capstone project, students develop a business idea and prepare a pitch-deck to present to an investor panel. Specialization areas for the MBA degree are available in Business Analytics, Marketing, and Project Quality Management. Courses 50% Complete PRO 600 ✓ MBA 610 ✓ MBA 620 MBA 640 MBA 670 PRO 600 MBA 610 MBA 630 MBA 620 MBA 640 MBA 670 Financial Decision Making Innovation Through Marketing and Technology Strategic Decision Making Solving, and Leading in ■ Complete ■ In Progress ■ Remaining

UMGC CLR - Rendered Sample Overview and Badges





COURSE PROJECT

Jessica Lynn Cumberland
JAN 1, 2021

MASTER OF BUSINESS ADMINISTRATION (MBA)



Completed Projects



Current Projects

PRO 600

Apply Critical Thinking Work as a Tearn

MBA 610

Project 1: Assessing Your Strategic Leadership Capacity and Potential Project 2: Situation Audit Project 3: Culture, Climate, and Ethical Decision Project 4: Implementing Virtual Teams

MBA 620

Project 1: Applied Economics for Managers Project 2: Accounting for Managers Project 3: Analyzing Financial Reports Project 4: Finance and Investment Decisions

MBA 630 Leading in the Multicultural Global Environment

- Project 1: Introduction to the Legal Environment of Business
 In the first project, you will gather information, evaluate the legal questions raised by several cases, and provide a written assessment of, and rationale for, the likely outcomes.
- Project 2: Making Decisions That Are Legal and Ethical In this project, you will analyze complicated issues related to contracts, employment law, and potential divil and criminal liability that have arisen in various subsidiaries of a company. You will produce a report for executives at the company that induces specific recommendations of what action, if any, should be taken based on your analysis and conclusions.
- Project 3: Leading Ethically and Legally at Home and Abroad in this project, you will perform ethical and legal analyses of a business case and provide a report in which you present your analyses and recommendation about what actions, if any, lest should take.
- Project 4: Structuring a New Business Venture In this project, you will research the steps to create and manage a small business, as well as prepare a presertation for potential investors about the legal form and organizational structure for your new business.
- Project 5: Managing a Global Business
 In the final project in this course, you will work with a team to review several situations involving multinational businesses and evaluate the political, legal, and cultural factors involved. For each case, the team will make specific recommendations on what action, if any, that the CEC should take bead on its analysis and conclusions.

PAGE x OF x





LEARNING OUTCOMES

Jessica Lynn Cumberland JAN 1, 2021

MASTER OF BUSINESS ADMINISTRATION (MBA)



Business Communication

Excellence in Communication: communicate clearly in writing and speaking, meeting expectations for content, purpose, organization, audience, and format.



Organizational Leadership

Excellence in Leadership: set strategic goals for an organization and motivate team members to accomplish these goals.



Global Business

Excellence in Global Business: plan, evaluate and manage the strategic implications of an organization's global operations.

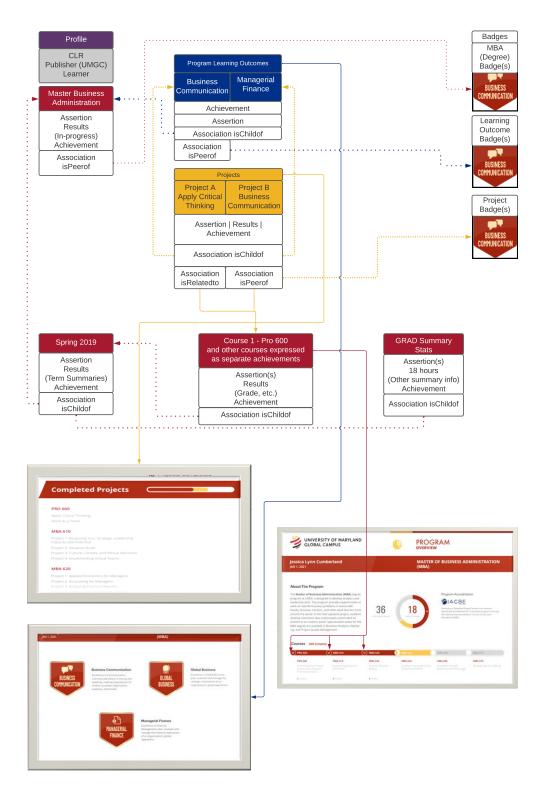


Managerial Finance

Excellence in Financial Management: plan, evaluate and manage the financial implications of an organization's global operations.

PAGE x OF x

Step 1: High-Level Mapping of Record to CLR Standard Elements



Step 2: Mapping of Learner Record Data to CLR Standard Elements

Dra	ft- CLR Campus Planning/Mappi			
	Institution and CLR Ti	tle		
Background		Response		
Author		Insiya Bream		
Institution Name	University of Maryland Global Campus			
			at the second se	
Institution Description	University of Maryland Global Campus was founded more than 70 years ago to serve working adults and servicementers. We're an online state university that offers online academic programs in fast-growing and in-defamand fields. With no-cest digital course materials in nearly every course, and locations in Maryland and at military installations around the world, we go you the opportunity to earn a respected degree from just about anywhere life takes you, (https://www.umgc.edu/about/index.cfm)			
Learner Description (fullpart time, traditional, dual credit, etc.) Description of Record (co-curricular record, engagement record, transcript, etc.)	the average age of stateside undergraduate students is 31 More than 80 percent of UMGC students work full—or part-lime Nearly half of UMGC students are parents More than 60 percent of our worldwide student population are military-affiliated 28 percent of our students parents are military-affiliated 28 percent of our students are Afficient American Minority students earned 52 percent of all UMGC degrees and certificates awarded in FY 320° (https://www.umgc.edu/about/about-our-students-and-alumni/index.cfm) UMGC's CLR is a reflection of learning within the MBA program. The curriculum for the MBA program is an interval earning process that does have foundations in a CBE learning mode and competencies associated directly with ecoursework.			
ssuer of Credential (Institution, Campus, School, Other unit on campus, etc.)	Į.	University of Maryland Global Campus		
Primary and Secondary Data Repository(ies) (e.g., SIS, Bolt-on tables to SIS, LMS, Local Developed, Vended, etc.)	UMGC houses information from the Learning Managment System into a	Data Warehouse that is managed by a third party called HelioCam omes directly from the Data Warehouse.	pus. The information rendered on the C	
Alignment with Learning Outcome or Competency Standard				
(e.g., CASE, LEAP, etc.) Credential Rendering	UMGC students will receive a PDF that is generated through Parchment's	CLR will be in line with the IMS Global Standard s Credential Builder Platform. The CLR will also represent badges	(up to 4) that are issued based on Acade	
(e.g., Digital Badge, Digital Certificate, PDF, etc.) Achievement, Assertion and Association General Questions	performs	ance in the classroom throughout the program.		
Who is the issuing authority of the credential (State Accreditation (degree),				
Institution, Campus, School, Department, etc.)?	Unive	ersity of Maryland Global Campus (UMGC)		
Do your achievements (competencies, courses, awards, etc.) have a hierarchical relationship? For example, do competencies roll up to a course or courses roll up to a degree?	Yes. The first level of achievement would be projects. Once successful your	ully completed, these projects roll up into successfully completing c	purses, successfully earning badges, and	
Do any of your achievements "stand alone" i.e. not roll up to a higher order award or achievement? If your achievements can be both (that is stand alone AND support a higher level award), please explain.	successfully completing the program that eventually leads to a degree. All our our acheivements roll up to a higher order			
Are there "potential" conceptual levels, chronological segments (such as a term-based header), aggregation points, that need to be represented within the record?	The record shows a student's progression within the program, notated by project completion, course completion, degree completion and if earned and applicable, the distribution of up to badges.			
Does an aspirational award or credential need to be represented in order to structure the events or curriculum supporting it? Examples include, but are not limited to, degree objectives (stduent major), higher level learning outcomes e.g., critical thinking), certificates, etc.	The record reflects what the student has accomplished within the program.			
In addition to your responses to above, are there other factors constituting to our mapping of records to Achievements and how these achievements relate to one another?	N/A			
Please describe your mapping to the IMS CLR Achievement Class.	The UMGC CLR reflects learning in the classroom starting with completion of projects within a course, successfully completing a course, successfully completing the program and receiving to 4 badges representing competencies earned within the MBA program.			
Please describe how your achievements are related to one another and how you represented the relationship via the Association Class.	up to a pages representing competencies earned within the MBA program. The UMGC CLR reflects learning in the classroom starting with completion of projects within a course, successfully compelling a course, successfully completing to expense of the course, successfully competencies earned within the MBA program.			
Please describe if you added any additional information to the Assertion	up to 4 badges representing competences earned within the work program.			
class beyond matching learner and achievement? For example, honors notations, learning artifacts, etc.		Not in this first version		
CLR Record / Package				
<u>-</u>	_			
	Response	Source of Data	CLR Class Description	
Туре	CLR	Default	6.1.7 "Clr" class	
issuedON	Date	generated at the time of issue	6.1.7.5 "issuedOn"	
Extension (e.g., internal tracking request number, etc.) - Seldom used but if		gonorated at the time of recal	311110 100000011	
used please explain	N/A	N/A		
Learner Data				
Family name	Family Name	Last Name (SIS)	6,1,18,8 "name"	
Family name	Family Name	Last Name (SIS)	0,1,16,6 name	
Given name	Preferred Name	First Name (SIS)	6,1,18,8 "name"	
Additional name (e.g. middle name)	Middle (if designated)	Middle (if designated)	6.1.18.8 "name"	
student ID (Institutional)	XXXXXXX	Student Identification Number	6,1,18,13 "studentiid"	
student birthdate (Optional)	N/A	N/A	TBD	
student address (Optional) - includes street, locality, region, country,				
postalcode	N/A	N/A	6.1.18.3 "address" 6.1.18.14 "telephone"	
student phone (Optional) student email	N/A N/A	N/A N/A	6.1.18.14 "telephone" 6.1.18.5 "email"	
student image (Optional)	N/A	N/A	6.1.18.7 "image"	
CLR Publisher Data CLR Publisher (General Question)				
<u> </u>				
is there an organization that this issuer belongs to? (e.g. university system)		University System of Maryland (UMD)		
Is the issuer of the credential also the publisher? For example, a school may	1			
be the issuer of the credential, but the Redistrar is the hillisher. If hot	UMGC	is the issuer, but Parchment is the publisher		
please provide additional organization information				
please provide additional organization information CLR Publisher	In the state of th		0.4.40.0 *********	
please provide additional organization information	Institution		6.1.18.8 "name"	
be the issuer of the credential, but the Registrar is the publisher. If not, please provide additional organization information CLR Publisher Issuer of CLR (Institution, campus, etc.) Issuer address, telephone, email, web URL	Institution 3501 University Blvd. East, Adelphi, MD 20783	"this information is not rendered on the CLR	6.1.18.8 "name" 6.1.18.3 "address"	
please provide additional organization information CLR Publisher Issuer of CLR (Institution, campus, etc.) Issuer address, telephone, email, web URL Issuer imagefogo	3501 University Blvd. East, Adelphi, MD 20783	*this information is not rendered on the CLR	6.1.18.3 "address" 6.1.18.7 "image"	
please provide additional organization information CLR Publisher Issuer of CLR (Institution, campus, etc.) Issuer address, telephone, email, web URL	3501 University Blvd. East,	"this information is not rendered on the CLR	6.1.18.3 "address"	
lease provide additional organization information CLR Publisher Issuer of CLR (Institution, campus, etc.) Issuer address, telephone, email, web URL Issuer imageflogo	3501 University Blvd. East, Adelphi, MD 20783	*this information is not rendered on the CLR	6.1.18.3 "address" 6.1.18.7 "image"	

Achievement (number) (General questions)	Project Completion		
What is the criteria for earning this achievement?	Earning a meets expectations or higher on a grading Rubric		
Does this achievement have a possible range of results or a specific type o result (e.g. assessment score within a range)?	Meetings expectations or higher on a pre-determined number of projects and/or assignments		
Is this achievement aligned to a skill or standard available in a framework?			
Describe.			
Is this achievement endorsed by a third party? Describe. Is an image associated with this achievement?	no no		
		no	
Is this achievement associated with another achievement such as a sub- achievement or prerequisite? Describe.		no	
admiration of prorequence accounts.	Response	Source of Data	CLR Class Description
Achievement (Number) (CLR Mapping)	i de la companya de		
Achievement (Name)	Project Completion	LMS Rubric Information X-Meets or X= exceeds	6.1.1.10 "name"
Achievement Description	Successful completion of projects within a course	Data Warehouse	6,1,1,7 "description"
Achievement Type (See 2nd tab)	Assessment	Data Warehouse	6.1.1.2 "type"
Issuer of Achievement (Issuer ID (Internally defined))	UMGC	Data Warehouse	6.1.1.13 "issuer"
Human Code (Optional)	N/A		6.1.1.9 "humanCode"
Credits (if applicable)	N/A		6.1.1.6 "creditsAvailable"
Alignments (e.g., CASE)	N/A		6.1.1.4 "alignments"
Level (if applicable) Extensions (e.g., School/Department Name, etc.) - Please explain	N/A N/A		6.1.1.14 "level" 6.1.1.20 "extensions"
Achievement (Number) Assertion	NA.		OFFITTES OXIGINIONS
(awarding achievement to a specific learner)			
Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assessed the achievement)?		MBA faculty within UMGC	
Is a start and end date associated with this achievement?	1	NO	
Is a license number issued with this assertion?		NO	
What entity is the source of this assertion (e.g. org or person that assessed			
the achievement)?	4	MBA faculty within UMGC	
What are the learner's appoint		Awarded	
What are the learner's specific results?	<u> </u>	Awarded	
What evidence is submitted by the learner?		none	
Did the learner have a specific role or title with this achievement (e.g.			
President, Intern, Captain, etc.)		none	
Does a third party endorse this assertion?		NO	
Does this assertion expire at a certain date or after a specific time period?		NO	
Can this assertion be revoked?		Yes	
	Response	Source of Data	CLR Class Description
Assertions (CLR Mapping)			
Recipient ID (learner)	Learner	Generated at the time of Issue	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	Project Completion		6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)			6.1.5.7 "evidence"
License (If Applicable)	N/A		6,1,5,10 "licenseNumber"
Role (if appropriate - e.g., President, civic advocate, etc.)	N/A		6.1.5.16 "role"
Date issued (IssuedOn)	Issue Date	Generated at the time of Issue	6.1.5.9 "issuedOn"
Credits	N/A N/A		6.1.5.4 "creditsEarned" 6.1.5.18 "source"
Source (Internship, etc.) Start Date (if needed)	N/A		
End Date (if Needed)		•	6 1 5 19 "startDate"
	IN/A		6.1.5.19 "startDate" 6.1.5.5 "endDate"
Can uns assention de revoked?	N/A N/A		6.1.5.19 "startDate" 6.1.5.5 "endDate" 6.1.5.15 "revoked"
Can this assertion be revoked? Extensions (as needed)			6.1.5.5 "endDate"
	N/A		6.1.5.5 "endDate" 6.1.5.15 "revoked"
Extensions (as needed) Results Section Results Type	N/A		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType"
Extensions (as needed) Results Section	N/A N/A		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue"
Extensions (as needed) Results Section Results Type Result Value Result Description	N/A N/A Awarded		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.19.5 "resultDescription"
Extensions (as needed) Results Section Results Type Result Value Result Description Alignments	N/A N/A Awarded		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue"
Extensions (as needed) Results Section Results Type Result Value Result Description	N/A N/A Awarded		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.19.5 "resultDescription"
Extensions (as needed) Results Section Result Type Result Value Result Description Alignments Extensions (as needed - please explain)	N/A N/A Awarded		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.19.5 "resultDescription"
Extensions (as needed) Results Section Result Type Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping)	N/A N/A Awarded Awarded		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Extensions (as needed) Results Section Results Type Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type	N/A N/A Awarded		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.19.5 "resultDescription" 6.1.20.3 "alignments" 6.1.6.1 "associationType"
Extensions (as needed) Results Section Result Type Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping)	N/A N/A Awarded Awarded		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments"
Extensions (as needed) Results Section Result Type Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID	N/A N/A Awarded Awarded Awarded Assessment	times as needed to reflect your CLP Pecces	6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.13 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.29.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targettd"
Extensions (as needed) Results Section Results Type Result Value Result Description Alguments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, As	N/A N/A Awarded Awarded Assessment Secretion and Association Data (row 47) as many		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
Extensions (as needed) Results Section Results Type Result Value Result Description Alguments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, As	N/A N/A Awarded Awarded Awarded Assessment		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
Extensions (as needed) Results Section Results Type Result Value Result Description Alguments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, As	N/A N/A Awarded Awarded Assessment Secretion and Association Data (row 47) as many		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
Extensions (as needed) Results Section Results Type Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, As	N/A N/A Awarded Awarded Assessment Assessment Assessment Assessment Secretion and Association Data (row 47) as many chievement is needed if the achievment type repeats (e		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
Extensions (as needed) Results Section Results Type Result Value Result Description Alguments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, As Note - Only 1 instance of each As	N/A N/A Awarded Awarded Assessment Secretion and Association Data (row 47) as many		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
Extensions (as needed) Results Section Results Type Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, As	N/A N/A Awarded Awarded Assessment Assessment Assessment Assessment Secretion and Association Data (row 47) as many chievement is needed if the achievment type repeats (e		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
Extensions (as needed) Results Section Results Type Result Value Result Description Alguments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Association Data (2) Achievement, Association Data (2) Achievement (number) (General questions) What is the criteria for earning this achievement?	N/A N/A N/A Awarded Awarded Assessment Assessment Secretion and Association Data (row 47) as many chievement is needed if the achievement type repeats (e		6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
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Extensions (as needed) Results Section Results Type Result Value Result Description Algaments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, Association Data (2) Achievement, Association Data (2) Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type or result (e.g. assessment score within a range)? Is this achievement eligned to a skill or standard available in a framework? Describe. Is this achievement endorsed by a third party? Describe, Is an image associated with this achievement?	N/A N/A N/A Awarded Awarded Assessment Assessment Secretion and Association Data (row 47) as many chievement is needed if the achievement type repeats (e	Passing Grade no no	6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
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Results Section Results Type Result Value Result Description Alignments Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Repeat Achievement, As Note - Only 1 instance of each A Note - Only 1 instance of each A Note - Only 1 instance of each A section and Association Data (2) Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement aligned to a skill or standard available in a framework? Describe. Is an image associated with this achievement? Is this achievement associated with another achievement such as a sub-achievement or prerequisite? Describe.	N/A N/A N/A Awarded Awarded Assessment Assessment Secretion and Association Data (row 47) as many chievement is needed if the achievement type repeats (e	Passing Grade no no	6.1.5.5 "endDate" 6.1.5.15 "revoked" 6.1.5.3 "achievement" 6.1.20.8 "resultType" 6.1.20.7 "requiredValue" 6.1.20.3 "alignments" 6.1.20.3 "alignments" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
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Issuer of Achievement (Issuer ID (Internally defined))			i
	UMGC	Data Warehouse	6.1.1.13 "issuer"
Human Code (Optional)	N/A		6,1,1,9 "humanCode"
Credits (if applicable)	N/A		6,1,1,6 "creditsAvailable"
Alignments (e.g., CASE) Level (if applicable)	N/A N/A		6.1.1.4 "alignments" 6.1.1.14 "level"
Extensions (e.g., School/Department Name, etc.) - Please explain	N/A		6.1.1.20 "extensions"
Achievement (Number) Assertion	Turk	'	STITIES SAUTONIS
(awarding achievement to a specific learner)			
Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assesse the achievement)?	d d	MBA faculty within UMGC	
s a start and end date associated with this achievement?		NO	
s a license number issued with this assertion?		NO	
What entity is the source of this assertion (e.g. org or person that assesse	d		
the achievement)?		MBA faculty within UMGC	
What are the learner's specific results?		Awarded	
What evidence is submitted by the learner?		none	
Did the learner have a specific role or title with this achievement (e.g.			
President, Intern, Captain, etc.)		none	
Does a third party endorse this assertion?		NO	
Does this assertion expire at a certain date or after a specific time period?		NO	
Can this assertion be revoked?		Yes	
	Response	Source of Data	CLR Class Description
Assertions (CLR Mapping)			
Recipient ID (learner)	Learner	Generated at the time of Issue	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	Course completion	Data Warehouse	6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)	- NA		6.1.5.7 "evidence"
License (If Applicable)	N/A		6.1.5.10 "licenseNumber" 6.1.5.16 "role"
Role (if appropriate - e.g., President, civic advocate, etc.)	N/A	Commented at the time of large	6.1.5.9 "issuedOn"
Date issued (IssuedOn) Credits	Issue Date	Generated at the time of Issue	6,1,5,4 "creditsEarned"
Source (Internship, etc.)	N/A		6.1.5.18 "source"
Start Date (if needed)	N/A		6.1.5.19 "startDate"
End Date (if Needed)	N/A		6.1.5.5 "endDate"
Can this assertion be revoked?	N/A		6,1,5,15 "revoked"
Extensions (as needed)	N/A		6.1.5.3 "achievement"
Results Section			
Results Type	Awarded		6.1.20.8 "resultType"
Result Value	Awarded		6.1.20.7 "requiredValue"
Result Description			6.1.19.5 "resultDescription"
Alignments			6,1,20,3 "alignments"
Extensions (as needed - please explain)			
Associations (CLR Mapping)			
Achievement Type	Assessment		6.1.6.1 "associationType"
Target ID			6.1.6.2 "targetId"
			U.T.U.Z targetiu
Achievement, Assertion and Association Data (3)			U. I.U.Z. talgettu
Achievement (number) (General questions)	program completion		o. i.o.z largetto.
Achievement (number) (General questions) What is the criteria for earning this achievement?	All cour	ses within a program successfully completed	V. Lo.z. targetty
Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type	All cour of		5.136 <u>6 181 98110</u>
Achievement (number) (General questions) What is the criteria for earning this achievement?	All cour of All cour	ses within a program successfully completed	O.T.O.A. Tell Yellow
Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework Describe.	All cour of All cour	rses within a program successfully completed	W. Took an year.
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Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework Describe. Is this achievement endorsed by a third party? Describe, Is an image associated with this achievement? Is this achievement associated with another achievement such as a subschievement or prerequisite? Describe.	All cour All cour Response	no no no Source of Data	CLR Class Description
Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework Describe. Is this achievement endorsed by a third party? Describe, is an image associated with this achievement? Is this achievement associated with another achievement such as a subachievement or prerequisite? Describe. Achievement (Number) (CLR Mapping) Achievement (Number)	All cour All cour Response Program Completion	no no no Source of Data	CLR Class Description 6.1.1.10 "name"
Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type result (e.g. assessment score within a range)? Is the achievement aligned to a skill or standard available in a framework Describe. Is this achievement endorsed by a third party? Describe, is an image associated with this achievement? Is this achievement associated with another achievement such as a subachievement or prerequisite? Describe. Achievement (Number) (CLR Mapping) Achievement (Name) Achievement (Description	All cour All cour Response Program Completion Successful completion of all coursework within a program	no no no Source of Data LMS Rubric Information X-Meets or X= exceeds Data Warehouse	CLR Class Description 6.1.1.10 "name" 6.1.1.7 "description"
Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type result (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework Describe. Is this achievement endorsed by a third party? Describe, Is an image associated with this achievement? Is this achievement associated with another achievement such as a subschievement or prerequisite? Describe. Achievement (Number) (CLR Mapping) Achievement (Name) Achievement Description Achievement Type (See 2nd tab)	All cour All cour Response Program Completion Successful completion of all coursework within a program Degree	no no no Source of Data LMS Rubric Information X-Meets or X= exceeds Data Warehouse Data Warehouse	CLR Class Description 6.1.1.10 "name" 6.1.1.7 "description" 6.1.1.2 "yope"
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Assertions (CLR Mapping)	Learner	Consented at the time of hour	6 1 5 12 "resistant"
Recipient ID (learner) Achievement ID (Achievement earned)	Learner Course completion	Generated at the time of Issue Data Warehouse	6.1.5.12 "recipient" 6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)	Course completion	Data vvarenouse	6,1,5,7 "evidence"
License (If Applicable)	N/A		6.1.5.10 "licenseNumber
Role (if appropriate - e.g., President, civic advocate, etc.)	N/A		6.1.5.16 "role"
Date issued (IssuedOn)	Issue Date	Generated at the time of Issue	6.1.5.9 "issuedOn"
Credits	N/A		6.1.5.4 "creditsEarned"
Source (Internship, etc.) Start Date (if needed)	N/A N/A		6.1.5.18 "source" 6.1.5.19 "startDate"
End Date (if Needed)	N/A		6.1.5.5 "endDate"
Can this assertion be revoked?	N/A	yes	6.1.5.15 "revoked"
Extensions (as needed)	N/A		6.1.5.3 "achievement"
Results Section			
Results Type	Awarded		6.1.20.8 "resultType"
Result Value	Awarded		6.1.20.7 "requiredValue"
Result Description			6.1.19.5 "resultDescription
Alignments Extensions (as needed - please explain)			6.1.20.3 "alignments"
Extendiono (ao nocaca produce espaini)			
Associations (CLR Mapping)			
Achievement Type	degree		6.1.6.1 "associationType"
Target ID			6.1.6.2 "targetId"
chievement, Assertion and Association Data (4)			
chievement (number) (General questions)	Earning a Badge		
/hat is the criteria for earning this achievement?	Algothythym that defines "me	ets or "exceeds" in certain competencies throughout the program	
Does this achievement have a possible range of results or a specific type of esult (e.g. assessment score within a range)?	All cours	ses within a program successfully completed	
s this achievement aligned to a skill or standard available in a framework?	7.11.000		
Describe.		no	
s this achievement endorsed by a third party? Describe.		no	
s an image associated with this achievement? s this achievement associated with another achievement such as a sub-		no	
schievement or prerequisite? Describe.		with successfully completing projects throughout the program	Tai a a
	Response	Source of Data	CLR Class Description
Achievement (Number) (CLR Mapping)			
Achievement (Name)	Badge	LMS Rubric Information X-Meets or X= exceeds	6.1.1.10 "name"
Achievement Description	Up to 4 badges can be earned representing competencies represented in the program	Data Warehouse	6,1,1,7 "description"
Achievement Type (See 2nd tab)	Badge	Data Warehouse	6.1.1.2 "type"
Issuer of Achievement (Issuer ID (Internally defined))	UMGC	Data Warehouse	6.1.1.13 "issuer"
	N/A		6.1.1.9 "humanCode"
Human Code (Optional)	IN/A		6.1.1.9 humancode
Credits (if applicable)	N/A		6.1.1.6 "creditsAvailable"
Alignments (e.g., CASE)	N/A		6.1.1.4 "alignments"
Level (if applicable)	N/A		6.1.1.14 "level"
Extensions (e.g., School/Department Name, etc.) - Please explain	N/A		6.1.1.20 "extensions"
Achievement (Number) Assertion	DWA .		o. r. r.zo oxtoriolorio
awarding achievement to a specific learner)			
What entity is the source of this assertion (e.g. org or person that assessed		MBA faculty within UMGC	
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University of North Texas – Career Connect Pathways

The University of North Texas (UNT) is one of the nation's largest public research universities with 40,000+ students. It offers 106 bachelor's, 88 master's, and 37 doctoral degree programs. In 2020, UNT students earned 9,600 degrees last year from its 14 colleges and schools. Ranked a Carnegie Classification Tier One research university, UNT is a catalyst for creativity, fueling progress, innovation, and entrepreneurship for the North Texas region and the state.

UNT's Career Connection program works to empower students to easily connect, track and share the marketable skills that they attain during their educational programs and college experiences. The Texas Coordinating Board governs higher education and mandates that each educational program identify marketable skills for their students. The Career Connect program manifests these skills by mapping them to the assignments completed in individual courses, using Canvas learning management system and Badgr Concentric Sky badging technologies.

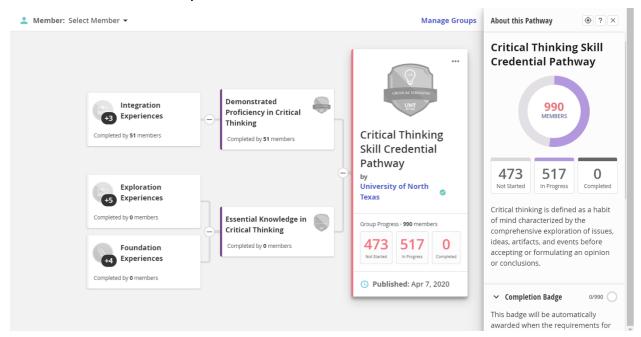
The program strives to enable students to make connections among and between their high impact learning experiences and the acquisition of marketable skills. It provides administrators a granular view of student progress (learning outcomes) throughout their course experience(s). The program also works to bridge the skills gap between learning experiences and signals of demonstrated competence to employers.

Tracking student progress and outcomes is done through dashboards. Both students and administrators have dashboards that provide views of progress toward outcomes across eight marketable skills:

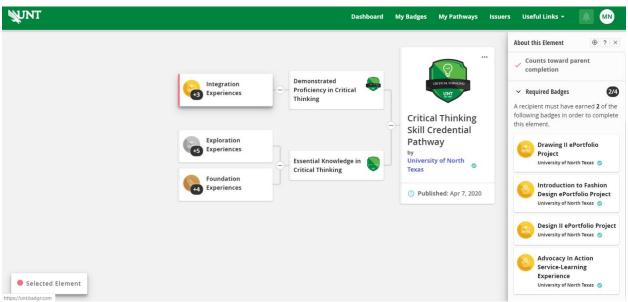
- ⇒ Social responsibility
- ⇒ Personal responsibility
- ⇒ Critical thinking
- ⇒ Oral communication
- ⇒ Written communication
- ⇒ Empirical and qualitative skills
- ⇒ Leadership
- ⇒ Teamwork

These skills can then be mapped to the content delivered across academic courses and programs. UNT began its work with the degree in French, demonstrating how students attain them across that curriculum. The plan is to expand these maps across more academic disciplines.

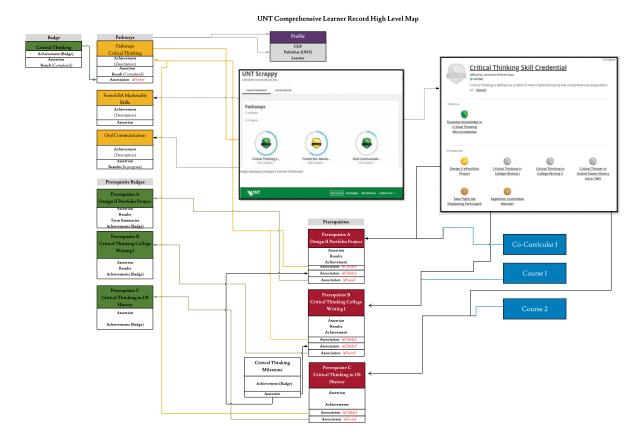
Career Connect Pathways - Administrative Dashboard view



Career Connect Pathways - Student Dashboard view



Step 1: High-Level Mapping of Record to CLR Standard Elements



Step 2: Mapping of Learner Record Data to CLR Standard Elements

Draft- CLR Campus Planning/Mapping Template - V1- Draft				
Institution and CLR Title				
Background		Response		
Author		Meena Naik		
Institution Name		University of North Texas		
Institution Description	4 year +, Publi	c, Large, Residential, R1, HSI, Enrollment ~40,000		
Learner Description (full/part time, traditional, dual credit, etc.)	Learner is a undergraduate 4-year or transfer student. Both commuter and		ing learners in addition to traditional	
Description of Record (co-curricular record, engagement record, transcript, etc.)				
Issuer of Credential (Institution, Campus, School, Other unit on campus, etc.)	university-wid degree-based skills; the issuing college (College of Libera	e interdisciplinary skils: University of North Texas Arts and Social Sciences, College of Science, College of Merchandising.	and Hospitality, etc.)	
Primary and Secondary Data Repository(ies) (e.g., SIS, Bolt-on tables to SIS, LMS, Local Developed, Vended, etc.)	Canvas (LMS), Foliotek (ePortfolio), ITSS/SIS for Sign On and Verification, EIS for identity, and Badgr/Concentric Sky to award and issue open-badge assertions and achievements and track longitudinal skill attainment			
Alignment with Learning Outcome or Competency Standard (e.g., CASE, LEAP, etc.)	There are two credential types: one credential is based on evalutions on modified AAC&U VALUE Rubrics, Texas LEAP frameworks, and is crosswalked to other competency standards (e.g., NACE). The other are degree-based skills that are mapped to industry based standards and certifications.			
Credential Rendering (e.g., Digital Badge, Digital Certificate, PDF, etc.)	All assertions are rendered as a digital open badge (2.0) standard on a record that contains visualizations of pathway completion, wherein a pathway is a collection of individual microcredentials.			
Achievement, Assertion and Association General Questions				
Who is the issuing authority of the credential (State Accreditation (degree), Institution, Campus, School, Department, etc.)?	UNT Career Connect within the Office of the Provost (Cu	urricular Innovation and Academic Partnerships) on behalf of UNT and/or t	he issuing College	
Do your achievements (competencies, courses, awards, etc.) have a	Individual achievements are stacked to additional credentials. For universit levels result in an essential knowledge microcredential; 2 individually assess	y-wide credentials, 5 foundation experiences and 3 individually assessed	exploration experiences at threshold	
hierarchical relationship? For example, do competencies roll up to a course or courses roll up to a degree?	Degree specific are more variable but generally occur through longitudinal a	ssessment of pre-determined signature assignments that contribute to de signments/assessments, and together will result in an overall skill credents	gree-based skill proficiency. Each skill all based on the degree itself.	
Do any of your achievements "stand alone" i.e. not roll up to a higher order award or achievement?	Each skill (with it's own hierarchical structure) can be earned individually. As demonstrate proficiency and be awarded a skill attainment credential in on assertion on its c	tudent can earn one skill achievement from an experience and while not e e skill but not another. If those are not earned, the student can still carry e wn without the overall credential ever being earned.	arning another skill, and therefore can ach individual experience-based skill	
Are there "potential" conceptual levels, chronological segments (such as a term-based header), aggregation points, that need to be represented within the record?	Aggregation points are by level (foundation vs. exploration vs. integration) and are not by term or chronological			
Does an aspirational award or credential need to be represented in order to structure the events or curriculum supporting It? Examples include, but are not limited to, degree objectives, learning outcomes, certificates, etc.				
In addition to your responses to above, are there other factors constituting to our mapping of records to Achievements and how these achievements relate to one another?	For university-wide skills: all experiences (taking place in courses or co-curriculars) must use a common rubric for a skill, and occur through a HIP-based learning. These are mapped into predefined pathway based on the rigor of the learning experience (determining level). For degree-based skills: skills are identified and inked to individual assignments in courses that are individually assess with minimum scores triggering an assertion in a predefined pathway that stacks each individual microcredential to build up to overall skill achievements through degrees.			
Please describe your mapping to the IMS CLR Achievement Class.		Digtal Badges = microcredentials		
Please describe how your achievements are related to one another and how you represented the relationship via the Association Class.		the skill microcredential; each skill microcredential is a child of the overall Il microcredential; each degree-based skill microcredential is related to the		
Please describe if you added any additional information to the Assertion class beyond matching learner and achievement? For example, honors notations, learning artifacts, etc.				
CLR Record / Package				
CER RECORD F Ackage	Response	Source of Data	CLR Class Description	
Type IssuedON	CLR Date	Default Generated at time of assessment and/or assertion (manual)	6.1.7 "Clr" class 6.1.7.5 "issuedOn"	
Extension (e.g., internal tracking request number, etc.) - Seldom used but if used please explain				
Learner Data				
Family name	Family Name	Last Name (EIS/SIS)	6.1.18.8 "name"	
Given name Additional name (e.g. middle name)	Given Name	First Name (EIS/SIS)	6.1.18.8 "name" 6.1.18.8 "name"	
student ID (Institutional)	abc1234	Enterprise Unique Identifier (EIS/SIS)	6.1.18.13 "studentid"	
student birthdate (Optional) student address (Optional) - includes street, locality, region, country,			TBD 6,1,18,3 "address"	
student phone (Optional)			6.1.18.14 "telephone"	
student email student image (Optional)	abc1234@unt.edu and/or firstlast@my.unt.edu	Student email Address/Aliased Email Address (EIS/SIS)	6.1.18.5 "email" 6.1.18.7 "image"	
CLR Publisher Data			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
CLR Publisher (General Question)				
Is there an organization that this issuer belongs to? (e.g. university system)		University of North Texas		
Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Registrar is the publisher. If not, please provide additional organization information	by The credential is published by UNT Career Connect on behalf of the issuing authority. The validation/assessment generating the assertion is done by staff and/or faculty on a common run.		staff and/or faculty on a common rubric	
CLR Publisher	The Issuing	The state of the s		
Issuer of CLR (Institution, campus, etc.)	University of North Texas and/or College for degree		6.1.18.8 "name"	
Issuer address, telephone, email, web URL Issuer image/logo	UNT Address, marketableskills@unt.edu; no phone UNT brand or College Brand		6.1.18.3 "address" 6.1.18.7 "image"	
issuer Imagenogo Issuer URL	unt.edu or any college page (class.unt.edu or engineering.unt.edu etc.)		6,1,18,15 "url"	
Achievement, Assertion and Association Data				
Achievement (number) (General questions)		111		
What is the criteria for earning this achievement?	UNT-wide - yes: proficient Degree-Based: yes, th	or higher on a common rubric (AAC&U and/or UNT core rubric) rreshold on indivdiaul assessments pre-set by department		
Does this achievement have a possible range of results or a specific type of result (e.g. assessment score within a range)?		lo; threshold is a minimum score only		
resur (e.g. assessment score within a range)? Is this achievement aligned to a skill or standard available in a framework? Describe.		UNT wide: AACU Value, LEAP		
Is this achievement endorsed by a third party? Describe.		No		
In an income and a state of a sta	no microcredential Image, yes,			
Is an image associated with this achievement? Is this achievement associated with another achievement such as a sub-				
is an image associated with his achievement? Is this achievement associated with another achievement such as a sub-achievement or prerequisite? Describe.	Yes - pa	art of stack towards next tier microcredential Source of Data	CLR Class Description	

	1		7
Achievement (Name)	Skill in Experience	Badgr	6.1.1.10 "name" 6.1.1.7 "description"
Achievement Description	A	D-d	6.1.1.2 "type"
Achievement Type (See 2nd tab)	Assessment UNT and/or College	Badgr	6.1.1.13 "issuer"
Issuer of Achievement (Issuer ID (Internally defined)) Human Code (Optional)	ON Fand/or College	Badgr	6.1.1.9 "humanCode"
Credits (if applicable)			6.1.1.6 "creditsAvailable"
Alignments (e.g., CASE)	EMSI (and in some cases, Credential Registry)	Badgr	6.1.1.4 "alignments"
Level (if applicable)	Emericana moonio esses, oreasman registry)	- Budgi	6,1,1,14 "jevej"
Extensions (e.g., School/Department Name, etc.) - Please explain			6.1.1.20 "extensions"
Achievement (Number) Assertion (awarding achievement to a specific learner)			
Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assessed	Staff/Faculty at LINT or external supervisors (e.g. internations) evaluate	e students on a common/AACU rubric for any skill aligned with the HIP exp	perience or on the appropriate
the achievement)?	Statist actify at ONE of external supervisors (e.g. internships) evaluat	learning/experience requirements	perience or on the appropriate
Is a start and end date associated with this achievement?		No	
is a start and end date associated with this adhievement:		NO	
Is a license number issued with this assertion?		No	
What entity is the source of this assertion (e.g. org or person that assessed the achievement)?	Staff/Faculy at UNT or external supervisors (e.g. internshi	ps) evaluate students on a common/AACU rubric for any skill aligned with	the HIP experience
and do not strike in the strik		,	and the organization
What are the learner's specific results?	Skill attainment (UNT-wide or degree-based)		
What evidence is submitted by the learner?	Arti	facts related to the learning experience	
Did the learner have a specific role or title with this achievement (e.g. President, Intern, Captain, etc.)		Possible but not required	
		1 osoloje barnor regulied	
Does a third party endorse this assertion?		No	
Does this assertion expire at a certain date or after a specific time period?		No	
Can this assertion be revoked?		Yes	
	Response	Source of Data	CLR Class Description
Assertions (CLR Mapping)			
Recipient ID (learner)	Learner	Generated at time of issue	6.1.5.12 "recipient"
Achievement ID (Achievement earned)	Experience-based skill microcredential	Staff/Faculty Assessment on Common Rubric via Canvas LMS or Foliotel	6.1.5.3 "achievement"
Evidence (e.g., URL, Learning Artifacts, etc.)			6.1.5.7 "evidence"
License (If Applicable)			6.1.5.10 "licenseNumber"
Role (if appropriate - e.g., President, civic advocate, etc.)			6.1.5.16 "role"
Date issued (IssuedOn)	Issue Date	Generated at time of assessment and/or assertion (manual)	6.1.5.9 "issuedOn"
Credits			6.1.5.4 "creditsEarned"
Source (Internship, etc.)	Experience Skill Evaluation	Generated at time of issue	6.1.5.18 "source"
Start Date (if needed)			6.1.5.19 "startDate"
End Date (if Needed)			6.1.5.5 "endDate"
Can this assertion be revoked?	Yes	Generated at time of issue	6,1,5,15 "revoked"
Extensions (as needed)			6.1.5.3 "achievement"
Results Section			
Results Type	Completed	Generated at time of issue	6,1,20,8 "resultType"
Result Value	Designated Competency in experience	Generated at time of issue	6.1.20.7 "requiredValue"
Result Description			6.1.19.5 "resultDescription"
Alignments			6.1.20.3 "alignments"
Alignments Extensions (as needed - please explain)			6.1.20.3 "alignments"
			6.1.20.3 "alignments"
Extensions (as needed - please explain) Associations (CLR Mapping)			6.1.20.3 "alignments"
Extensions (as needed - please explain)	isChildof	Generated at time of issue	6.1.6.1 "associationType"
Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID	isChildof CLR	Generated at time of issue Generated at time of issue	6.1.6.1 "associationType" 6.1.6.2 "targetId"
Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Achievement Type	CLR isChildof	Generated at time of issue Generated at time of issue	6.1.6.1 "associationType" 6.1.6.2 "targetId" 6.1.6.1 "associationType"
Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Target ID	CLR isChildof Milestone (skill credential)	Generated at time of issue Generated at time of issue Generated at time of issue	6.1.6.1 "associationType" 6.1.6.2 "targetId" 6.1.6.1 "associationType" 6.1.6.2 "targetId"
Extensions (as needed - please explain) Associations (CLR Mapping) Achievement Type Target ID Achievement Type Target ID Achievement Type	CLR isChildof Milestone (skill credential) isPeerof	Generated at time of issue	6.1.6.1 "associationType" 6.1.6.2 "targetId" 6.1.6.1 "associationType" 6.1.6.2 "targetId" 6.1.6.1 "associationType"
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<u>Western Governors University – Bachelor of Science in Business</u> Administration Micro-Credentials

Western Governors University is an online, competency-based education institution, founded to expand access to higher education for underserved communities, including working adults who have some college but no degree. The University has traditionally offered degree programs. It intends to add additional worth and modularity to its programs, enabling students to obtain incremental value throughout their learning journey in the form of skills-based competencies that are aligned to labor market needs and expressed through a set of four open standards, which are referred to as the Diamond of Interoperability.

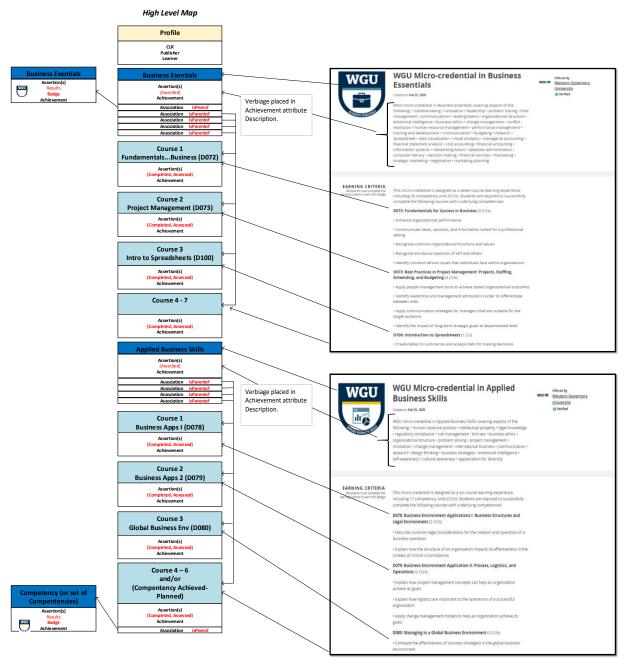
The students in the largest of the pilot programs incorporating these standards are full-time undergraduate students in the College of Business. The median age of a WGU student is 37, and 82% of all students work while being enrolled full-time. Of those employed, 70% are working full-time. 65% of all students are female while 69% of all students are from one or more underserved populations, including first-generation college students, students of color, low-income earners and rural residents.

In the Bachelor of Science in Business Administration (BSBA) program, learning is captured in a set of micro-credentials. These reflect different emphases within the context of the degree, such as business essentials and human resource management. Underneath each micro-credential are a list of competencies that have been aligned to skills using the Rich Skills Descriptor schema developed by WGU in partnership with the Open Skills Network.

BSBA Micro-Credential – Rendered Sample



Step 1: High-Level Mapping of Record to CLR Standard Elements



Step 2: Mapping of Learner Record Data to CLR Standard Elements

Draft- CLR Campus Planning/Mapping Template - V1- Draft				
Western Governors University - BSBA Micro-Credentials				
Background		Response		
		Кезропзе		
Author	Lesley Cotita			
Institution Name	Western Governors University			
Institution Description	4+ year, Private, Not-for-Profit, Enrollment 140,000+, Competency-Based Education			
Learner Description (full/part time, traditional, dual credit, etc.)	Learner is a full-time student pursuing an undergraduate degree			
Description of Record	A suite of Micro-Credentials have been embedded into several undergradual student. The Micro-Credentials enable the learner to represent their achieve aligned to the courses that the learner completed. Anyone who authenticates	ment to third-parties and each Micro-Credential underscores the underlying	ng competencies and skills that are	
(co-curricular record, engagement record, transcript, etc.) Issuer of Credential	various social media platforms, including LinkedIn.			
(Institution, Campus, School, Other unit on campus, etc.) Primary and Secondary Data Repository(ies)	The Office of the Registrar			
(e.g., SIS, Bolt-on tables to SIS, LMS, Local Developed, Vended, etc.)	SIS and CRM			
Alignment with Learning Outcome or Competency Standard (e.g., CASE, LEAP, etc.)	None currently but working towards CASE			
Credential Rendering (e.g., Digital Badge, Digital Certificate, PDF, etc.)	Digital Badge and transcripted			
Achievement, Assertion and Association General Questions				
Who is the issuing authority of the credential (State Accreditation (degree), Institution, Campus, School, Department, etc.)?	The Office of the Registrar under the auspice of the Director of Academic Re	aceda and Cradantiala		
Do your achievements (competencies, courses, awards, etc.) have a hierarchical relationship? For example, do competencies roll up to a course	Yes, we have a modular structure with relationships working from the top do	vn, such that a degree may be parent to micro-credential(s), course(s) and	d competency level achievements.	
or courses roll up to a degree? Do any of your achievements "stand alone" i.e. not roll up to a higher order	The mico-credential may be parent to course(s) and competency. The course	e may be parent to comptencies. Competencies are the smallest level and	l do not have children.	
award or achievement? Are there "potential" conceptual levels, chronological segments (such as a	Yes.			
Are there potential conceptual levels, chronological segments (such as a term-based header), aggregation points, that need to be represented within the record?	Not at this time			
Does an aspirational award or credential need to be represented in order to structure the events or curriculum supporting it? Examples include, but are not limited to, degree objectives, learning outcomes, certificates, etc.	No			
In addition to your responses to above, are there other factors constituting to our mapping of records to Achievements and how these achievements relate to one another?	No			
Please describe your mapping to the IMS CLR Achievement Class.	There are digital badges awarded when a micro-credential (certificate-level a	chievement) is earned.		
Please describe how your achievements are related to one another and how				
you represented the relationship via the Association Class.	The micro-credentials are parents to the course bundles			
Please describe if you added any additional information to the Assertion class beyond matching learner and achievement? For example, honors notations, learning artifacts, etc.	Not at this time			
CLR Record / Package				
OER Record / Fackage	Response	Source of Data	CLR Class Description	
Туре	CLR	Default	6.1.7 "Cir" dass	
IssuedON	Date	Generated at time of issue		
Extension (e.g., internal tracking request number, etc.) - Seldom used but if			6.1.7.5 "issuedOn"	
used please explain				
used please explain Learner Data	Eamily Nama		6.1.7.5 "issuedOn"	
used please explain	Family Name Given Name	Last Name (SIS)		
used please explain Learner Data Family name	Family Name Given Name		6.1.7.5 "issuedOn" 6.1.18.8 "name"	
used please explain Learner Data Family name Given name Additional name (e.g. middle name) student ID (Institutional)		Last Name (SIS)	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.3 "name" 6.1.18.3 "studentid"	
used please explain Learner Data Family name Given name Additional name (e.g. middle name)	Given Name	Last Name (SIS) Preferred Name (SIS)	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.13 "studentid" TBD	
Learner Data Family name Given name Additional name (e.g. middle name) student ID (institutional) student thindate (Optional) student address (Optional) - includes street, locality, region, country,	Given Name	Last Name (SIS) Preferred Name (SIS)	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.3 "name" 6.1.18.3 "studentid"	
Learner Data Family name Given name Additional name (e.g. middle name) student ID (Institutional) student briddate (Optional)	Given Name	Last Name (SIS) Preferred Name (SIS)	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.13 "studentid" TBO 6.1.18.13 "studentid" 6.1.18.14 "telephone" 6.1.18.5 'email"	
Learner Data Family name Given name Additional name (e.g. middle name) student ID (institutional) student address (Optional) student address (Optional) student phone (Optional)	Given Name 123456789	Last Name (SIS) Preferred Name (SIS) Banner ID (SIS)	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.3 "ande" 6.1.18.13 "studentid" TBD 6.1.18.3 "address" 6.1.18.14 "telephone"	
Learner Data Family name Given name Additional name (e.g., middle name) student ID (institutional) student address (Optional) student address (Optional) - includes street, locality, region, country, student phone (Optional) student phone (Optional) student phone (Optional)	Given Name 123456789	Last Name (SIS) Preferred Name (SIS) Banner ID (SIS)	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.13 "studentid" TBO 6.1.18.13 "studentid" 6.1.18.14 "telephone" 6.1.18.5 'email"	
Learner Data Family name Given name Additional name (e.g. middle name) student ID (Inestitutional) student address (Optional) student address (Optional) student made (Optional) student made (Optional) student made (Optional) CLR Publisher Data CLR Publisher (General Question)	Given Name 123456789	Last Name (SIS) Preferred Name (SIS) Banner ID (SIS) Student Email Address (SIS)	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.13 "studentid" TBD 6.1.18.13 "studentid" TBD 6.1.18.14 "telephone" 6.1.18.5 'cmail"	
Learner Data Family name Given name Additional name (e.g. middle name) student ID (institutional) student infloate (Optional) student infloate (Optional) student address (Optional) - includes street, locality, region, country, acateloade, student phone (Optional) student address (Optional) - includes street, locality, region, country, acateloade, student address (Optional) student mage (Optional) CLR Publisher Data CLR Publisher (General Question) Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential also the Popilsher? For example, a school may be the issuer of the credential also the publisher? For example, a school may	Given Name 123456789	Last Name (SIS) Preferred Name (SIS) Banner ID (SIS) Student Email Address (SIS) Western Governors University	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.13 "studentid" TBO 6.1.18.13 "studentid" 6.1.18.14 "telephone" 6.1.18.5 'email"	
Learner Data Family name Given name Additional name (e.g. middle name) student ID (Institutional) student briddate (Optional) student briddate (Optional) student principles affect (locality, region, country, student phone (Optional) student email student mage (Optional) CLR Publisher Data CLR Publisher (General Question) Is there an organization that this issuer belongs to? (e.g. university system) Is the issuer of the credential also the publisher? For example, a school may be the issuer of the credential, but the Register is the publisher. If not, please provide additional organization information	Given Name 123456789	Last Name (SIS) Preferred Name (SIS) Banner ID (SIS) Student Email Address (SIS)	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.13 "studentid" TBO 6.1.18.13 "studentid" 6.1.18.14 "telephone" 6.1.18.5 'email"	
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Learner Data Family name Given name Additional name (e.g. middle name) student ID (Institutional) student ID (Institutional) student Prinder Servet, Iccality, region, country, student phone (Optional) student phone (Optional) student address (Optional)-in-indudes street, Iccality, region, country, student phone (Optional) student mage (Optional) CLR Publisher Data CLR Publisher (General Question) Is there an organization that this issuer belongs to? (e.g. university system) Is the issuer of the credential allow the Registrar is the publisher. If not, please provide additional organization information CLR Publisher Issuer of CLR (Institution, campus, etc.) Issuer address, telephone, email, web URL Issuer image flogo Issuer URL Achievement, Assertion and Association Data Achievement (number) (General questions) What is the criteria for earning this achievement? Does this achievement have a possible range of results or a specific type of result (e.g. assertions) Is achievement aligned to a skill or standard available in a framework?	Given Name 123456789 Student@wqu.edu Office of the Registrar, Western Governors University copistrar@wqu.edu https://www.wqu.edu/ Succestully passing all courses in t	Last Name (SIS) Preferred Name (SIS) Banner ID (SIS) Student Email Address (SIS) Student Email Address (SIS) Western Governors University Yes Generated at time of issue Generated at time of issue He associated course bundle of which this achievement is the parent of No skills in a RSD (Rich Skill Descriptor) framework. No Yes Not at this time	6.1.7.5 "issuedOn" 6.1.18.8 "name" 6.1.18.8 "name" 6.1.18.3 "address" 6.1.18.3 "address" 6.1.18.7 "image" 6.1.18.4 "address" 6.1.18.7 "image" 6.1.18.5 "address" 6.1.18.7 "image"	
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Achievement (Name)	WGU Micro-credential in Business Essentials	Experience Category = 'CERT'	6.1.1.10 "name"
Achievement Description	Business Essentials micro-credential from Western Governors University		6.1.1.7 "description"
Achievement Type (See 2nd tab)	Certificate	Generated at time of issue	6.1.1.2 "type"
Issuer of Achievement (Issuer ID (Internally defined))	Office of the Registrar, email	Generated at time of issue	6.1.1.13 "issuer"
Human Code (Optional)			6.1.1.9 "humanCode"
Credits (if applicable)			6.1.1.6 "creditsAvailable"
Alignments (e.g., CASE)	Rich Skills Descriptors from OSMT		6.1.1.4 "alignments"
Level (if applicable)	Bachelor's		6.1.1.14 "level"
Extensions (e.g., School/Department Name, etc.) - Please explain			6.1.1.20 "extensions"
Achievement (Number) Assertion			
(awarding achievement to a specific learner)			
Assertions (General Questions)			
What entity is the source of this assertion (e.g. org or person that assessed the achievement)?		Office of the Registrar	
·			
Is a start and end date associated with this achievement?		No	
Is a license number issued with this assertion?		No	
What are the learner's specific results?		Awarded	
What evidence is submitted by the learner?		None	
Did the learner have a specific role or title with this achievement (e.g.			
	No		
President, Intern, Captain, etc.)			
President, Intern, Captain, etc.)		No	
President, Intern, Captain, etc.)		No	
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period?		No No	
President, Intern, Captain, etc.) Does a third party endorse this assertion?		No	
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period?	Response		CLR Class Description
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period?	Response	No Yes	CLR Class Description
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked?	Response	No Yes	CLR Class Description 6.1.5.12 "recipient"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping)		No Yes Source of Data	
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner)	Learner	No Yes Source of Data Generated at time of issue	6.1.5.12 "recipient"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned)	Learner WGU Micro-credential in Business Essentials	No Yes Source of Data Generated at time of issue	6,1,5,12 "recipient" 6,1,5,3 "achievement"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.)	Learner WGU Micro-credential in Business Essentials	No Yes Source of Data Generated at time of issue	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (tearner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable)	Learner WGU Micro-credential in Business Essentials	No Yes Source of Data Generated at time of issue	6,1,5,12 "recipient" 6,1,5,3 "achievement" 6,1,5,7 "evidence" 6,1,5,10 "licenseNumber"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.)	Learner WGU Micro-credential in Business Essentials https://badgr.com/public/badges/nwFPa8j5QiyurgCV-7Mi-w	No Yes Source of Data Generated at time of issue Experience Category = "CERT"	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (issuedOn)	Learner WGU Micro-credential in Business Essentials https://badgr.com/public/badges/nwFPa8j5QiyurgCV-7Mi-w	No Yes Source of Data Generated at time of issue Experience Category = "CERT"	6.1.5.12 "recipient" 6.1.5.2 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Atrifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits	Learner WGU Micro-credential in Business Essentials https://badgr.com/public/badges/nwFPa8j5QiyurgCV-7Mi-w	No Yes Source of Data Generated at time of issue Experience Category = "CERT"	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "ssuedOn" 6.1.5.4 "creditsEarned"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.)	Learner WGU Micro-credential in Business Essentials https://badgr.com/public/badges/nwFPa8j5QiyurgCV-7Mi-w	No Yes Source of Data Generated at time of issue Experience Category = "CERT"	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "role" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.4 "source"
President, Intern, Captain, etc.) Does a third party endorse this assertion? Does this assertion expire at a certain date or after a specific time period? Can this assertion be revoked? Assertions (CLR Mapping) Recipient ID (learner) Achievement ID (Achievement earned) Evidence (e.g., URL, Learning Artifacts, etc.) License (If Applicable) Role (if appropriate - e.g., President, civic advocate, etc.) Date issued (IssuedOn) Credits Source (Internship, etc.) Start Date (if needed)	Learner WGU Micro-credential in Business Essentials https://badgr.com/public/badges/nwFPa8j5QiyurgCV-7Mi-w	No Yes Source of Data Generated at time of issue Experience Category = "CERT"	6.1.5.12 "recipient" 6.1.5.3 "achievement" 6.1.5.7 "evidence" 6.1.5.10 "licenseNumber" 6.1.5.16 "rote" 6.1.5.9 "issuedOn" 6.1.5.4 "creditsEarned" 6.1.5.18 "source" 6.1.5.19 "startDate"
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Conclusion

The Comprehensive Learner Record (CLR) is an evolving credential that will continue to be innovated by new and existing users to reflect the educational programs of institutions, and the needs of learners. As that occurs, the Standard may also need to evolve and users will need to stay abreast of updates, if and when they occur.

Additional areas for CLR issuers to watch are the emerging digital credentials from employment and the military. The latter represents millions of learners whose training and education needs to be integrated into education records in a more robust and seamless manner. The former represents up to 200 million people in the United States alone who may begin to present digital credentials with learning outcomes and evidence of learning. These, too, will need to be

considered by higher education institutions as they seek to enroll and educate adult learners. The United States Chamber of Commerce Foundation has established a T3 Network to coordinate the interests of business with those of the military and higher education. By following the T3 Network, higher education practitioners can stay abreast of the emergence of these new record types and prepare for their consideration toward educational credentials.

Finally, America is not alone in pursuing digital credentials in higher, tertiary or further education. Nearly every developed nation is also pursuing the production and exchange of their credentials. Networks have formed and it will be vital for the mobility of learners to have access to place their digital credentials into one or more global networks, and for the United States to receive these as easily as we receive digital transcripts from American institutions today.

While this is a fast-paced environment, there are three global networks to consider today. The first is the Groningen Declaration Network, formed by countries and systems that were interested in fostering student mobility and the use of digital credentials. The second is the Europass network, which is working to provide digital mobility of higher education credentials across the European Union. The third is the IEEE Standards Association Integrated Learner Records Working Group. This multinational task force is working to link together many of the initiatives in other global regions and establish an international protocol for records exchange between networks.

Appendix A. Resources

Overview of the IMS Global CLR Standard

https://www.imsglobal.org/spec/clr/v1p0/cert#comprehensive-learner-record-clr-standard-conformance

AACRAO Review of the IMS Global CLR Standard

https://www.aacrao.org/docs/default-source/signature-initiative-docs/clr/guidance-on-the-review-of-the-comprehensive-learner-records-(clr)-standard-from-ims-global released05052020.pdf

AACRAO Comprehensive Learner Record Phase II Report

https://www.aacrao.org/resources/newsletters-blogs/aacrao-connect/article/comprehensive-learner-record-(clr)-phase-ii-report-is-out-now

AACRAO Comprehensive Student (now Learner) Record Phase I Report https://www.aacrao.org/docs/default-source/signature-initiative-docs/clr/comprehensive-student-record-project-final-report-9 2017---pub-version.pdf?sfvrsn=19401bf4 2

AACRAO CLR Data Integration Workgroup White Paper https://www.aacrao.org/docs/default-source/signature-initiative-docs/clr/data-integration-white-paper-9 2018.pdf?sfvrsn=229bbe8c 2

Appendix B. Workgroup Member Roster

First			
Name	Last Name	Institution	Title
			Assistant Provost and University Registrar,
Mark	McConahay	Indiana University	Workgroup Chair
			Executive Director, Center for
Jeff	King	Central Oklahoma University	Transformational Learning
			Associate Registrar for Operations, AACRAO
Rock	McCaskill	Clemson University	Board of Directors
Rodney	Parks	Elon University	University Registrar
Justine	Nienow	Elon University	Senior Assistant Registrar for Technology
Patrick	Elliott	Hartford Community College	AVP Enrollment Management
Jeff	Bohrer	IMS Global	Technical Program Manager
Mark	Leuba	IMS Global	Vice President, Product Management
		Northeastern	
Laura	Wankel	University/NASPA	AACRAO Consulting, Northeastern U
Tuan An	Doh	San Francisco State University	Director of ERP and Business Intelligence
		University of California San	
Cindy	Lyons	Diego	University Registrar
	Wold-		University Registrar, AACRAO Board of
Kristi	McCormick	University of Colorado	Directors
		University of Maryland Global	
Insiya	Bream	Campus	Registrar
Meena	Naik	University of North Texas	Program Director, Academic Affairs
		Volunteer State Community	
Tim	Amyx	College	Registrar and Director of Admissions
Lesley	Cotita	Western Governors University	†
			Associate Executive Director, Workgroup
Tom	Green	AACRAO	staff

Appendix C. Attributions and Thanks

Colleagues from Indiana University Bloomington whose expertise, hard work and dedication contributed to the support of the workgroup and the IUB implementation of the IMS Global CLR Standard:

- Ethan Bernhardt, Senior Associate Director, Office of Strategic Planning and Research
- Erika Knudsen, Associate Registrar, Office of the Registrar
- Clint McElroy, Systems Analyst/Programmer, Office of Strategic Planning and Research

Joseph Beam, AACRAO, for developing the graphic images of high-level maps of each institutional record to CLR Standard Elements in this Guide.

AACRAO Communications Team, led by Director of Communications Quintina Barnett Gallion, for their assistance in producing and promoting the Guide.

AACRAO Board of Directors, specifically Kristi Wold-McCormick and Rock McCaskill, for their support of the AACRAO Workgroup.

WGU would like to thank IBM for their work and leadership in the Learning Credential Network.

IMS Global would like to thank their member institutions, suppliers and staff that worked diligently to author and publish the Comprehensive Learner Record standard, and also to recognize the contributions of Mark Leuba, Jeff Bohrer, Andy Miller and Dan Blickensderfer for their collaboration in this process and on this document.