Good Examples to Follow: CLR and LER Programs

Digital Credentials Roundtable
Digital Credentials Ecosystem

Education to Employment

Comprehensive Learner Record
- Degrees
- Certifications
- Courses
- Micro-credentials
- Competencies

Secure, Digital, Verifiable Credentials

K-12
Lifelong Learning
Career Advancement
Higher Education
Military Service
Career

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Open Standards for Digital Credentials

Powering mobility

Comprehensive Learner Record (CLR)

Open Badges

Token Representing an Achievement

CASE

Competencies and Academic Standards Exchange

Publish and Relate Skills

1Edtech Open Standards Enable an Interoperable Ecosystem
Digital Credential Terms

Foundation of work

**Learner and Employment Records (LER):** A generic term to describe digital spaces designed to help learners display their credentials and achievements. According to Jobs for the Future, a LER is “a comprehensive digital record of a worker’s skills and competencies. LERs can document learning wherever it occurs, and they may include records of people’s credentials, degrees, and employment histories.” Badge backpacks, learner wallets, and Comprehensive Learner Records are all examples of LER solutions.

**Open Badges:** A type of digital badge that conforms to the 1EdTech Open Badges standard and can serve as portable credentials containing metadata that offer detailed information about the achievements being credentialed. Open Badges contain metadata which provides additional information about the credential and how it was earned.

**Microcredential:** A representation of learning, awarded for completion of a short program that is focused on a discrete set of competencies (i.e., skills, knowledge, attributes), and is sometimes related to other credentials. Typically displayed using an Open Badge.
Digital Credential Terms

Foundation of work

**Comprehensive Learner Record (CLR):** Official document that seeks to capture, record, and communicate learning when and where it happens in a student’s higher education experience. This includes learning outcomes from courses, program and degrees, as well as experience they have outside the classroom that help develop their career ready skills and abilities.

**Comprehensive Learner Record (CLR) Standard** has been designed to create, transmit, and render an individual's set of achievements, as issued by multiple learning providers, in a machine-readable format that can be curated into verifiable digital records of achievement. The CLR Standard leverages the Open Badges standard and is compatible with the W3C Verifiable Credentials and the Credential Engine Registry.
Transformative Learning at UCO:

• Develops students’ beyond-disciplinary skills
and
• Expands students’ perspectives of their relationships with self, others, community and environment
The TL Process

(Mezirow, Brookfield, Cranton, Taylor)

Willingness to participate

Expanding perspective

Perhaps even a "tectonic shift" in worldview or belief

Discoursing rationally

Having an experience

Reflecting critically

May be disorienting

Often prompted by instructor or supervisor
Experiences in and out of the classroom
STLR provides a way to document, track, and share these experiences.
6 Ways Students Get STLR Credit

1. **STLR Class Assignments**
   - e.g., Cultural Plunge, Service-Learning Assignment, Research Project Reflection

2. **STLR Student Events** (in-person or virtual)
   - e.g., Melton Gallery exhibit opening, International Festival, Liberal Arts Symposium

3. **Student Organization or Group**
   - e.g., Orientation Leaders, Peer Health Leaders, Chemistry Club, Success Initiatives

4. **Out-of-Class Student Projects**
   - e.g., RCSA Grant Research, Volunteer Service-Learning Community Project

5. **STLR Locations**
   - e.g., Career Development Center, Office of Diversity & Inclusion, Online On-Demand Exp.

6. **STLR Individual Reflection Appointments (SIRAs)**
   - e.g., booked online, interviewed by trained faculty/staff reviewer (ex. college/tenet liaisons)
17 Schools and Colleges

2 International campus

33,606 Total headcount

72% Undergraduate

30% First Gen UG: Neither parent graduated college

16% First Gen UG: Neither parent attended college
What is the ideal story we want to tell?

What is the ideal design that will convey the story?

Does the story and the design convey the mission and the learning outcomes?

What data do we need and how do we get it?

What data do we have that will tell the story?

What is the ideal story we want to tell?

What is the ideal design that will convey the story?
Data source

- Banner
  - Academic
- Banner
  - On-Campus Employment
- Campus Lab
  - Activities & Leadership
- Handshake
  - Internships
- Custom database tables joined with student record
- Banner
  - Course Skills
- Banner
  - GenED
- Banner
  - Global Experience

CLR
Temple University educates a vibrant student body and creates new knowledge through innovative teaching, research and other creative endeavors. Our urban setting provides transformative opportunities for engaged scholarship, experiential learning, and discovery of self, others and the world.

Academic Program Goals:
The Fox Marketing curriculum focuses on today's key marketing activities and performance metrics; the program immerses students in the applied quantitative methods and the behavioral sciences necessary to address contemporary marketing challenges. Experiential and active learning are frequently used in the upper division curriculum; cases and simulations, along with projects, many offered in cooperation with business and government organizations, allow students to apply their experiences to real-life scenarios and build their resumes and competencies.

<table>
<thead>
<tr>
<th>Program Skills</th>
<th>Credit Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Knowledge</td>
<td>50</td>
</tr>
<tr>
<td>Critical Thinking</td>
<td>42</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>35</td>
</tr>
<tr>
<td>Communication</td>
<td>28</td>
</tr>
</tbody>
</table>

Top 5 Program Subject Areas Outside of Program

- Marketing: 28 Credit Hrs
- Business Administration: 11 Credit Hrs
- Statistics: 7 Credit Hrs
- Economics: 5 Credit Hrs
- Religion: 3 Credit Hrs

Total Credit Hours: 54
**General Education**

The General Education (GenEd) Program constitutes Temple University's liberal education requirements for all undergraduate students. GenEds provide a foundation that helps students succeed academically and professionally.

### Foundation
- Exploring Nature
- In/Out: The Good Life
- In/Out: The Common Good
- The Meaning of the Arts

### Human Behavior
- Language in Society
- Teams and Tension

### Race & Diversity
- Race and Poverty in the Americas
- Race and Diversity in Cinema

### Science & Technology
- Digital World 2020
- Disasters: Geologys in Hollywood

### US Society
- Religion in Philadelphia
- The American Economy

### Analytical Reading & Writing
- Analytical Reading & Writing

### Global/World Society
- Religion in the World

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The Program in General Education provides opportunities for students to foster the following competencies:

#### Think Critically
- Recognize an object of investigation, frame questions about it, and interrogate assumptions.

#### Interdisciplinary Thinking
- Understand and apply knowledge in and across disciplines.

#### Civic Engagement
- Function as an engaged citizen in a diverse and globalized world.

#### Communication
- Communicate effectively orally and in writing.

#### Scientific and Quantitative Reasoning
- Identify and solve problems using scientific and quantitative reasoning.

#### Lifelong Learning
- Promote a lasting curiosity.

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* Indicates the courses taken elsewhere.
Concept design
Badges

Concept design
# Academic Accomplishment

**Program**  
Bachelor of Business Administration in Marketing  
Fox School of Business

## Description

**Program**  
University Honors Link  
https://honors.temple.edu/

**College**  
Fox School of Business  
College Link  
http://www.fox.temple.edu/

**Primary Major Name**  
International Business (With Distinction)

**Latin Honors**  
Summa Cum Laude

**Latin Honors Link**  
https://bulletin.temple.edu/undergraduate/academic-policies/honors-academic-achievement/

**Secondary Major Name**  
Supply Chain Management (With Distinction)

**Primary Minor**  
Data Science

**Secondary Minor**  
Digital Marketing

**Primary Concentration**  
Finance

**Secondary Concentration**  
Entrepreneurship

**Document Type**  
Research

**Document Title**  
The role of AI in optimizing flight patterns for the delivery of consumable goods.
Continuing the conversation

- **Share** any feedback
- **Learning Impact Conference**, June 5-8, 2023, Anaheim, CA
- Changing to quarterly webinars starting August 2