and designing new ways to record Joellen Shendy

creatine the future of creatine the future of the future o

QUOTE OF THE DAY

Education is the bedrock from which to build one's American dream.

Alejandra Castillo, CEO of the YWCA

66

www.forbes.com





In the minds of today's college students, getting a better job continues to be the most prevalent reason to go to college.

Pryor, J. H., Eagan, K., Palucki Blake, L., Hurtado, S., Berdan, J., & Case, M. H. (2012). The American freshman: National norms fall 2012. Los Angeles: Higher Education Research Institute, UCLA.



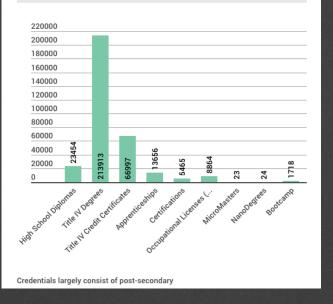
"Employers and people writing up job requirements can also think carefully about whether a degree is really an important part of what they need in a candidate. Consider looking at other factors, how that might be done. I think some workplaces are starting to do that a little anyway, because they are so unsatisfied with the people that come out of the university."

-- Meghan Kathleen Jamieson

https://www.theguardian.com/commentisfree/2016/may/18/knowledge-economy-myth-more-universities-degree#comments

Counting US Secondary and Post-Secondary Credentials

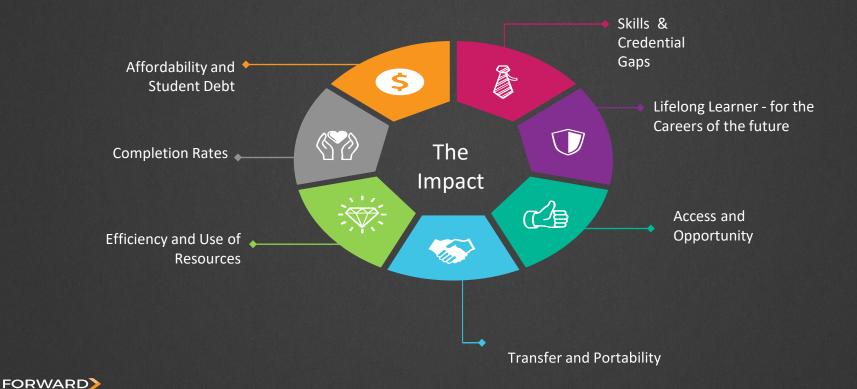
Credentials Landscape



https://www.credentialengine.org/Content/Articles/Counting_US_Secondary_and_Postsecondary_Credentials_April_2018.pdf

FORWARD

> Why is this important for us?



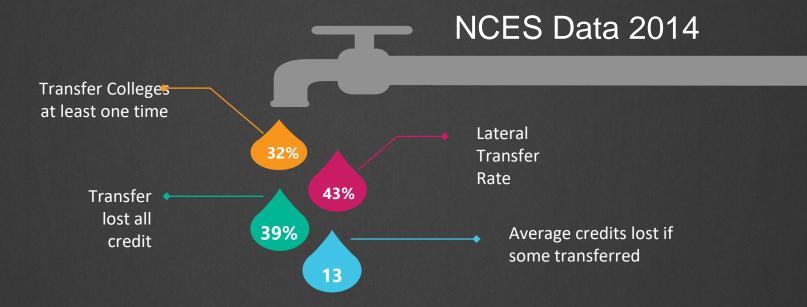
6

> THE GRIND









Simone, S.A. (2014). Transferability of Postsecondary Credit Following Student Transfer or Co-enrollment (NCES 2014-163). U.S. Department of Education. Washington, DC: National Center for Education Statistics. Retrieved April 11, 2018 from http://nces.ed.gov/pubsearch.







"What if "College is not for everyone" was not a judgement of students, but a call to action for universities"

- Lumina Foundation







69% of HR Executives say their ability to attract and retain middle-skills talent frequently affects their firms performance

https://www.burning-glass.com/research-project/middle-skills/



Jobs that need more than High School but less than College



	Medical Coders		Insurance Claims Clerk		Computer User/Network Support Specialist
Transportation, Storage, and Distribution (Incl. Managers)		Air Traffic Controller		Nuclear Power Reactor Operator	
	Real Estate Broker		Certified Nursing Assistant		Construction

WHY DIGITAL MIDDLE SKILLS?



K

Growth of Jobs



8 in 10 jobs require digital skills

Jobs that require digital skills grow 2.5X faster Jobs which require Middle Skills pay 18% more than average

https://www.burning-glass.com/research-project/middle-skills



GROWTH POTENTIAL REAL ESTATE PATH



CREDENTIAL GAP (UpCredentialing)



Why does this matter to Employee?

- Middle Skill Career Pathways Closing
 - Bachelors as proxy (screen)



Risk Failure





Why does this matter to employers?

- Talent hard to find
- Still gaps in skills with Bachelor's degree

Computer User Support Specialist Gap

Credentials Gap in Help Desk Roles

FORWARD

Occupation Title	Credentials Gap	%Job Holders with BA+ (Source: American Community Survey)	% Postings Requiring Bachelor's Degree (Source: Burning Glass)	2013 Job Postings (Source: Burning Glass))
Computer Network Support Specialists	31%	39%	70%	11,675
Computer User Support Specialists	21%	39%	60%	201,332

Burning Glass Technologies,. *Moving The Goalposts: How Demand For A Bachelor's Degree Is Reshaping The Workforce*. Burning Glass Technologies, 2014. Web. 17 Mar. 2017.

Financial Models



Income Sharing in Action

Idea is you are funded while in school and you pay a percent of your income for a set number of years after you graduate.



Purdue University

- Option for Jr. and Sr.'s
- No interest, no extended repayment terms
- Not a loan in a traditional sense



Alternative Providers



> Alternative Providers

Providers that provide the skills and knowledge students need for workforce



MissionU (Startup)

Replace traditional Bachelors with a one year program

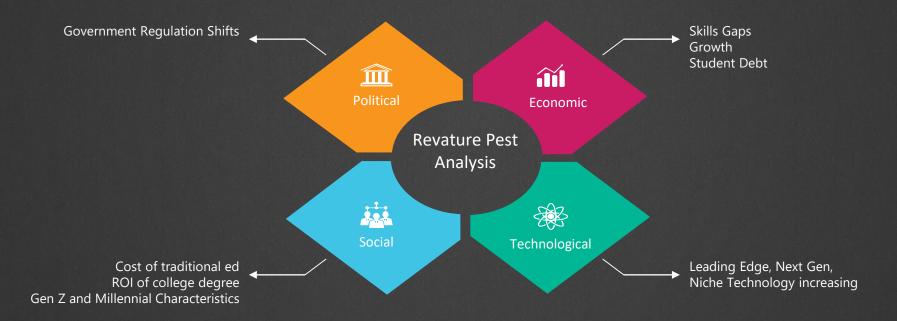
- Cohort Driven
- 4 Quarters skills and internship opportunities
- Income Share

"We want to hire people who are ready to hit the ground running from Day One. We love that MissionU prepares its grads for the realities of today"

Neil Blumenthal Co-Founder & Co-CEO of Warby Parker

http://www.missionu.com/







https://revature.com/

23



- Low Cost
- Online
- Personalized Pace
- General Education and lower level requirements



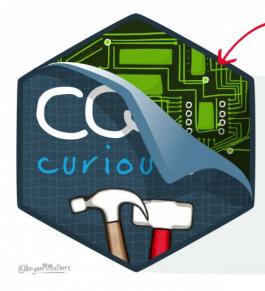
Alternative Credentials

Micro, Nano, Meta and More!





OPEN BADGES & META DATA



DATA INSIDE!

badge name badge URL (description) badge criteria badge image issuer issue date recipient tags alignment (standards) expiration date evidence URL



https://badge.wiki/wiki/What_Are_Open_Badges%3F





DIGITAL EVIDENCE INCLUDED VISUALLY APPEALING TRANSFERABLE

DIVERSE INCREMENTAL LEARNING DRIVE ENGAGEMENT

FREE AND OPEN SOURCE



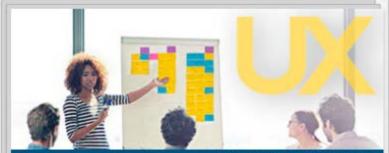


EdX MicroMasters



UMUC, USMx **Cloud Computing**

Gain expertise in one of the hottest fields in IT, as you learn how to design, implement,...



MICROMASTERS PROGRAM

MichiganX

User Experience (UX) Research and Design

Gain a solid foundation in UX Research and Design to help create products and advance...

MicroMasters*



Current





Credential Stacking



> VERTICAL CREDENTIAL STACKING





> HORIZONTAL CREDENTIAL STACKING





> VALUE ADD CREDENTIAL STACKS



Johr	John's History					
2010	P	Bachelor Degree in English				
2011	-	CCAM [®] & Cosmetology Licensure				
2013		Real Estate Agent License				
2014		Real Estate Broker License				
NOW	0	Owner of Small Business				

FORWARD

Competency Based Learning



It's not just about Degrees, It's about building & growing the talent we need to meet the challenges of the future

→45.8% Post Secondary Credential Attainment

60% Credential Attainment Goal

Americans believe important to increase attainment rates

FORWARD

https://www.luminafoundation.org/lumina-goal

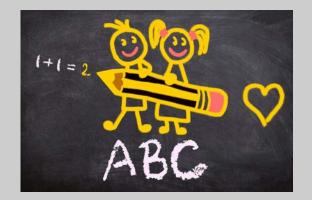
It's not just about Universities and Colleges







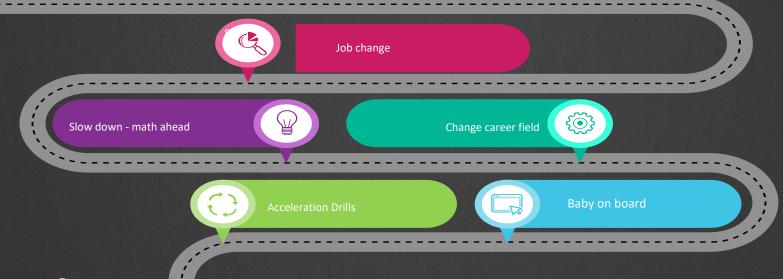




FORWARD

It's not about how fast they go, it's about personalized pace and pathway





home to assist



L





https://commons.wikimedia.org/wiki/File:Californian_Channel_Islands_map_en.png By Lencer [CC BY-SA 3.0 (https://creativecommons.org/licenses/by-sa/3.0)], via Wikimedia Commons



FORWARD

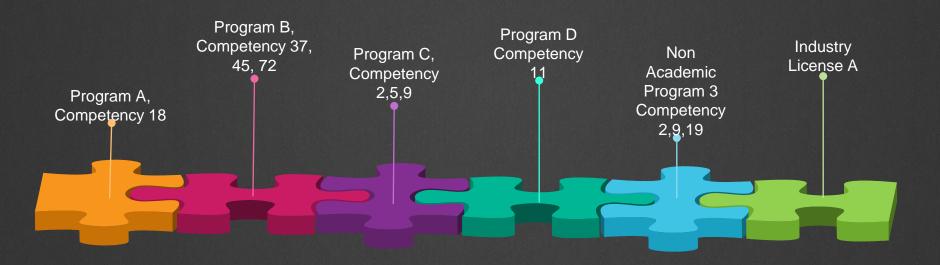
Image from <u>401kcalculator.org</u>



FORWARD

Image from <u>www.getcredit.com</u>

> MICRO-CREDENTIALS RE-IMAGINED





Credential Registry



CREDENTIAL ENGINE

Scaling and maintaining a web-based Credential Registry that – through apps -- enables job seekers, students, workers, and employers to search for and compare credentials.



Features:



Credential Finder[™]

- Open Source App

Employer, Schools, Industry

-Source of Data for all

participants

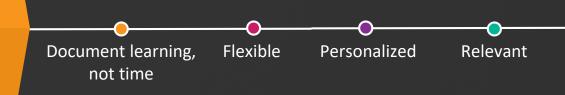


Open Applications Marketplace

-Encourage Open Apps that leverage the power of the Registry



Comprehensive Learner Records



http://www.aacrao.org/resources/comprehensive-learner-record



Employers are asking for better insight into the discrete competencies and skills that make up today's academic credentials around the country, colleges and universities are beginning to reimagine how we convey the experiences and learnings that make up the degree. By taking a new approach to academic credentials, students are able to better map those to new educational and job opportunities.

Matthew Pittinsky, CEO Parchment 2016

> Brandman University



CHAPMAN UNIVERSITY SYSTEM

COMPREHENSIVE STUDENT RECORD MODEL

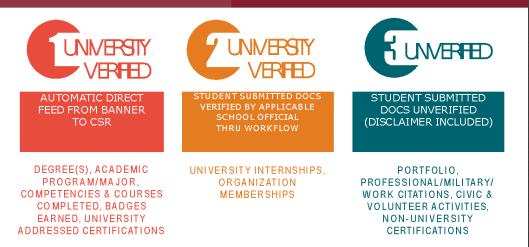




> Brandman University

CATEGORIES OF COMPREHENSIVE STUDENT RECORD





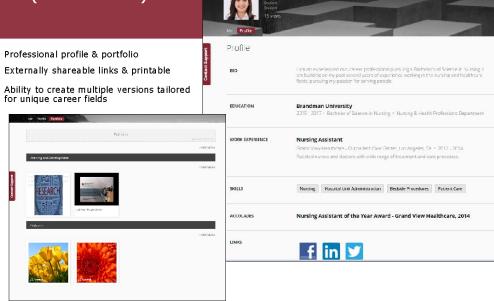
> Brandman University

Constants Action	Construir Construction: Responsing & Kauss: Instruction Construint Construction Cause to another Vising Construint Construction Construction Construction Construint	Official University Record (verified)
	Admonistratio Into (CRECUS Student Record) Notivork Horite Ld	
	BRA - Susiness & Professional Studies - Information Technology • Rangesin Integrated Learning Deals - Oxida Cultures	Cose > Pregrated Learning Cose > Cose
	Cruc Engagement Dears - Cruc Engagement Dears - innovation and Creativity Dears - Applied Learning Dears -	Understand the impact of organizational dynamics on performance. Cremen: In order to entit the integrated Learning sacige itsufferst must matter the following competences: I. Behavior and Organization I. Brundness of Constance Behavior I. Social Systems I. Organization Dynamics To matter each competency students must be series of formative assessments along with either an opedicate or adormania-students final assessment.
	Competency Using Competency	Summary view with click to open metadata: -Description -Criteria -Evidence



Brandman University

Student Loaded (Unverified)



Cherle Nickel

Community Directory Career Opportunities Happenings & Events Network Admin

BRANDMAN University



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*

Send Message

Follow

Elon University

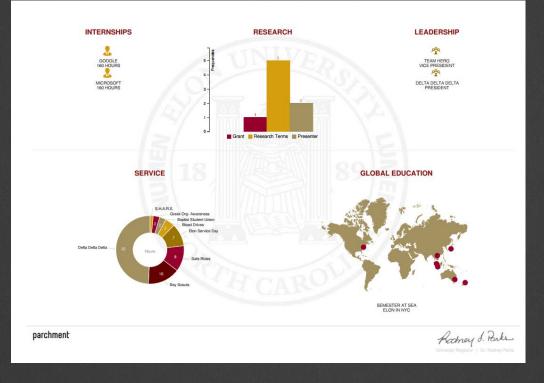


ELON EXPERIENCES VISUAL TRANSCRIPT

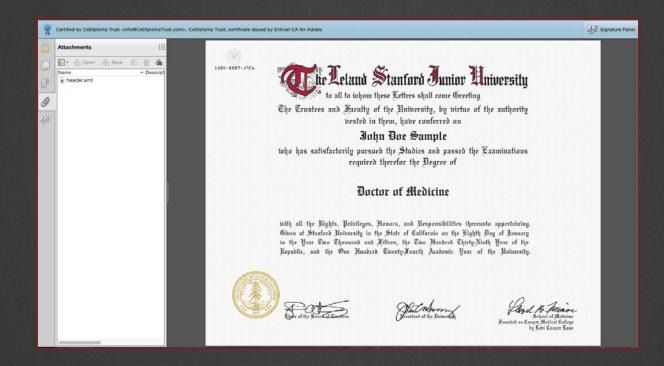
Eon University validates all information presented on a student's Elon Experiences Transcript. Validation occurs within each program responsible for the experiences and is then maintained in a centralized system. Students do not personally enter any experiences on the Hie Elon Experiences Transcript. If the Elon Experiences and an official document of Elon University. For more information about the Elon Experiences Transcript visit our site. STUDENT INFORMATION NAME JULIE WHITE DEGREE BACHELOR OF SCIENCE MAJOR COMPUTER SCIENCE COMPLETE 20TH OF MAY 2010



Elon University



Stanford University



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



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



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

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.

583	Global and Cultural Competencies	
(R)	Transformation	_
В	Exposure	

- 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 z 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

UNIVERSITY OF **Central Oklahoma**

Student Transformative Learning Record

Global and Cultural Competencies

Transformation	
Keen sense of cultural self and an identity as a global citizen has emerged.	

Integration	Exposure
Developing sense of	Beginning awareness of
ultural self: and relation to	cultural self:
the global community.	openness to learning.

Health and Wellness

DOG	Transformation	Integration	Exposure
A	A holistic view of health and	A developing holistic view:	Beginning awareness and
	wellness for self and	some application to self and	understanding of health and
	community is articulated	community with some ability	welness; initial attempts at
	and practiced.	to evaluate own behavior.	personal change.

Leadership

6	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 intermediate level.	Leadership skills are being tried out with increasing understanding.

Research Creative and Scholarly Activities

2	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

4	Transformation	Integration	Exposure
ļ	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.

1904

1919

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 Central State Normal School
- Central State Teachers College
- Central State College 1971 Central State University 1990

1939

University of Central Oklahoma



Bill Gates

Learner id: 00023451 Status as of: 11/21/2016

OFFICIAL TRANSCRIPT ®

This is an official transcript. Learner information is guaranteed unaltered from the source.

MASTERS OF BUSINESS ADMINISTRATION

Demonstrate diversity and inclusiveness in a team setting.



- Demonstrate respect for the differences that gender, race, culture, ethnicity and worldview may lend to others' perspectives.
- Foster a network in which each team member has an equal voice.
- Solicit and incorporate multiple and diverse viewpoints into team work.
- Work cooperatively and respectfully with a diverse group of people to achieve project goals.

Identify and analyze new opportunities.



- Articulate opportunities and analyze their impact on organizational operations.
- Evaluate an organization's readiness for change.

DILLARD UNIVERSITY EQI EXPANDED TRANSCRIPT **"THE DU DIFFERENCE"**

SKILLS

SKILLS

SKILLS

SKILLS

SKILLS

Empathy

Optimism

Flexibility

Stress Tolerance

Impulse Control

Self-Actualization

Emotional Self-Awareness

Self-Regard

Assertiveness

Reality Testing

Independence

Social Responsibility

Problem Solving

IAM A TEST ID #552497 1869 TULANE AVENUE NEW ORLEANS, LA 70126

Academic Year 2014-2015: SPRING

CODE ACTIVITY EQI-SE-IE Personal Finance 101

EQI-IC-SY Voter Registration Drive Love Shouldn't Hurt: Getting Your Friend EQI-DM-PS Help

Academic Year 2015-2016: FALL

CODE ACTIVITY EQI-SP-SR Man in the Mirror EQI-SE-AS DU Fitness Self-Defense Workshop: Women in the Workplace

EQI-DM-RT Brain Food Spring 2016

Academic Year 2015-2016: SPRING CODE ACTIVITY EQI-SM-FY What's Your Major? Where Does That Lead? EQI-SM-ST Get It All Out!

EQI-DM-IC Social Media Shakedown

Academic Year 2016-2017; FALL

CODE ACTIVITY EQI-SM-OM Can You See Your Vision? EQI-SP-SA What's Your Spiritual Gift?

EQI-SP-IC When Push Comes to Shove: Emotional Intelligence at Home

Academic Year 2016-2017: SPRING

ACTIVITY CODE EQI-SE-EE Café Noir: Spoken Word Night EQI-IC-EY Take Back the Night EQI-IC-IR Paiama's, Popcorn & Pearls

Marketing

Computer Science

SKILL DEFINITION Emotional Expression Constructive expression of emotions Understanding, appreciating how others feel Interpersonal Relationships

SKILL DEFINITION

SKILL DEFINITION

SKILL DEFINITION

SKILL DEFINITION

Coping with stressful situations

Resist or delay impulse to act

Positive attitude and outlook on life

Pursuit of meaning; Self-improvement

Understanding own emotions

Social consciousness; Helpful

Respecting oneself: Confidence

Self-directed; Free from emotional dependency

Communicating feelings, beliefs; Non-offensive

Objective; See things as they really are

Adapting emotions, thoughts and behaviors

Find solutions when emotions are involved

Degree Information: Major(s) Minor(s)

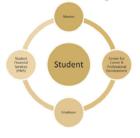
Office of Student Affairs Dean of Student Affairs

Mutually satisfying relationships





Campus Life: Provide students with service learning and extracurricular opportunities.



Process for developing the Project

The project is designed to have six career readiness badges and one Meta badge in alignment with the NACE competencies to be issued along with LaGuardia's core values. Project leaders developed a curriculum focused on career and professional development topics to facilitate inservice and badge evidence based on the badge criteria. The following are the descriptions of each badge:



Critical Thinking/Problem Solving Digital Badge

Exercises sound reasoning to analyze issues, make decisions, and overcome problems. The individual is able to obtain, interpret, and use knowledge, facts, and data in this process, and may demonstrate originality and inventiveness.

LaGuardia Core Competencies: Inquiry and Problem Solving Student Affairs Developmental Experiences: Teaching Behaviors for Personal and Professional Success



Oral/Written Communications Digital Badge

Articulate thoughts and ideas clearly and effectively in written and oral forms to person inside and outside the organization. The individual has public speaking skills; is able to express ideas to others; and can write/edit memos, letters, and complex technical reports clearly and effectively. LaGuardia Core Competencies: Integrative Learning Student Affairs Developmental Expense. Studing Future Leaders



Teamwork/Collaboration Digital Badge Build collaborative relations with colleagues and customers representing

diverse cultures, races, ages, genders, religions, lifestyles, and viewpoints. The individual is able to work within a team structures, and can negotiate and manage conflict. LaGuardia Core Competencies: Integrative Learning; Inquiry and Problem Solving

Student Affairs Developmental Experiences: Teaching Behaviors for Personal and Professional



Information Technology Application Digital Badge

Select and use appropriate technology to accomplish a given task. The individual is also able to apply computing skills to solve problems. LaGuardia Core Competencies: Integrative Learning; Inquiry and Problem Solvina

Student Affairs Developmental Experiences: Teaching Behaviors for Personal and Professional

Leadership Digital Badge



Leverage the strengths of others to achieve common goals, and use interpersonal skills to coach and develop others. The individual is able to assess and manage his/her emotions and those of others; use empathetic skills to guide and motivate; and organize, prioritize and delegate work. LaGuardia Core Competencies: Integrative Learning; Inquiry and Problem Solving; Global Learning

Student Affairs Developmental Experiences: Leadership



Professionalism/Work Ethic Digital Badge

Demonstrate personal accountability and effective work habits, e.g., punctuality, working productively with others, and time workload management, and understand the impact of non-verbal communication on professional work image. The individual demonstrates integrity and ethical behavior, acts responsibly with the interests of the larger community in mind, and is able to learn from his/her mistakes.

LaGuardia Core Competencies: Integrative Learning; Inquiry and Problem Solving

Student Affairs Developmental Experiences: Professionalism/Work Ethic

Career Readiness Meta Digital Badge



Identify and articulate one's skills, strengths, knowledge, and experiences relevant to the position desired and career goals, and identify areas necessary for professional growth. The individual is able to navigate and explore options, understands and can take the steps necessary to pursue opportunities, and understands how to self-advocate for opportunities in the workplace.

LaGuardia Core Competencies: Inquiry and Problem Solving and Global Learning

Student Affairs Developmental Experiences: Teaching Behaviors for Personal and Professional Success

Curriculum

The curriculum is designed to provide students with career and professional development skills as well as co-curricular activities and experiences related to their field of study. The following is an example of the pilot curriculum where students completed action items based on the criteria of the digital badges.

Badge/Competency	Modules	Action Items
#1 Critical Thinking/Problem Solving	Time Management Complex Decision Marking	1. Weekiy Schedule Log 2. Monthly budget
#2 Oral/Written Communications	Interview Preparation Resume Writing Workplace Communication Public Speaking	Approved Resume Jo second professional pitch/elevator pitch Mock Interview
#3 Teamwork/Collaboration	Complex Decision Making	eP Reflections
#4 Information Technology Application	Online Presence ePortfolio LAGCC Career Connect	1. Linkedin Profile 2. Completed ePortfolio
#5 Leadership	Becoming a Campus Champion	 Join a student club Attend mentoring sessions
#6 Professionalism/Work Ethic	Unwritten Rules of the Workplace Personal Finance	1. Supervisor Evaluation
Career Management	All	Successful completion of all tasks above and participation at the ePortfolio showcase.

The curriculum for the program was re-designed during Summer 2016, to have students earn three badges during the first semester and another three during their second semester in the program. Ultimately, all students are working towards earning at least 4/6 badges in order to earn the Career Readiness Meta badge.

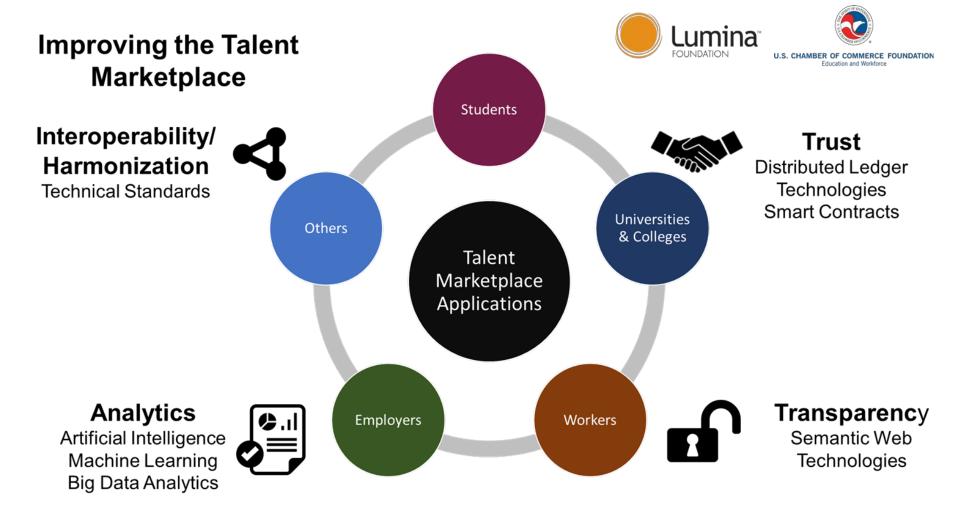
First Semester Badges: Curriculum

Badge/Competency	Modules	Tasks and Projects
Critical Thinking/Problem Solving	Complex Decision Making	 Reflection based on workshop activities Evidence from Worksite Supervisor Evaluation/Testimonial
Teamwork/Collaboration	Service Learning	 ✓ Community Service Activity ✓ Supervisor Evaluation/Testimonial ✓ Evidence from Worksite
Professionalism/ Work Ethic	Unwritten Rules of the Work Place Personal Finance Interview Prep Time Management	Supervisor Evaluation Attend Business Etiquette Dinner/Night at the Theater Mock Interview Monthly Budget and Weekly Schedule Evidence from Worksite





https://www.uschamberfoundation.org/t3-innovation





U.S. CHAMBER OF COMMERCE FOUNDATION Education and Workforce

Innovation Landscape



٠ ٠

Supply-side Innovation Student and Educator Applications Software & Systems: Student Information Systems Catalog Systems Transcript Systems **Badging Systems Assessment Systems** Portfolio Systems

- Career Guidance Systems
- Web Content Systems

Demand-side Innovation Worker and Employer Applications



Software & Systems:

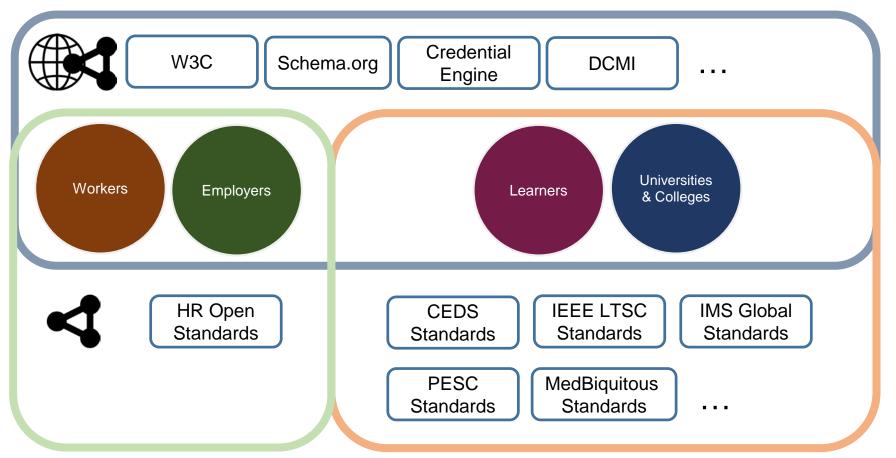
- Career Sites
- Job Posting Systems
- Recruitment Systems
- Applicant Tracking Systems
- Human Resource Information Systems
- Resume Systems
- Web Content Systems

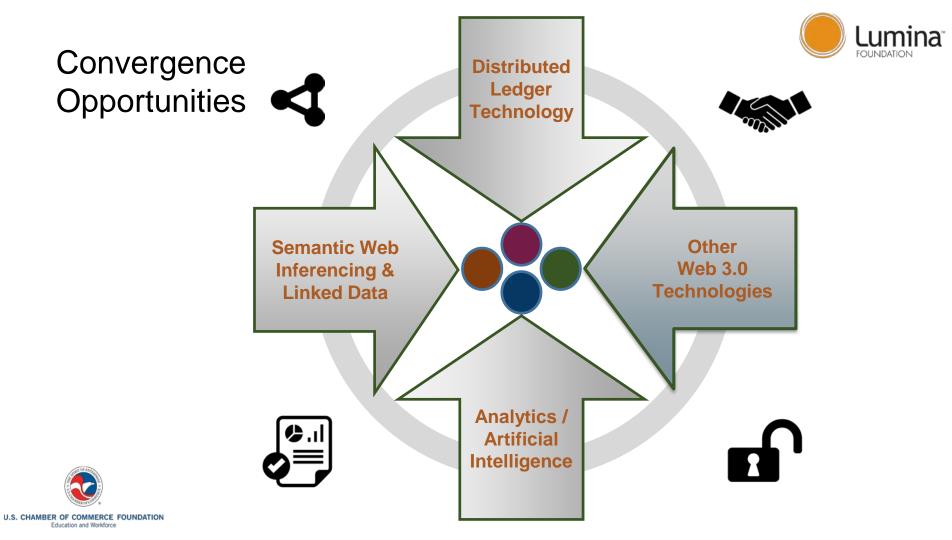


Technical Standards Landscape



U.S. CHAMBER OF COMMERCE FOUNDATION Education and Workforce





> Four Workgroups - delivering use cases

Exploring Sustainable Data Standards Convergence

Stakeholder Use cases for Breakthrough Innovations

FORWARD

New Architectures and Uses of linked individual-level data

Developing Conalyzining and mpetencies

Four Workgroups delivering use cases

PUTTING IT ALL TOGETHER



