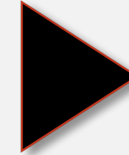


Technology services for a connected learn-and-work ecosystem: Results from the Midwest Credential Transparency Survey

Series 2 with Credential Engine



Slides can be downloaded in handouts.



A recording will be sent post-call.



Submit questions in the questions box.



Please complete our survey.

Moderator



- **Jenny Parks**
MHEC
Vice President

Presenters



- **Jeanne Kitchens**
Credential Engine
Chief Technology
Services Officer



- **Jeff Grann**
Credential Engine
Principal Investigator

Presenters



- **Jeni Spaulding**
MI Department of Labor &
Departmental Specialist
Employment & Training



- **Ken Sauer**
IN Commission for Higher
Education
Sr. Associate Commissioner and
Chief Academic Officer



Poll Question #1



Introduction to Credential Engine's Technologies

June 2020

Jeanne Kitchens, Chief Technology Services Officer

jkitchens@credentialengine.org

<https://credentialengine.org>

<https://credreg.net>





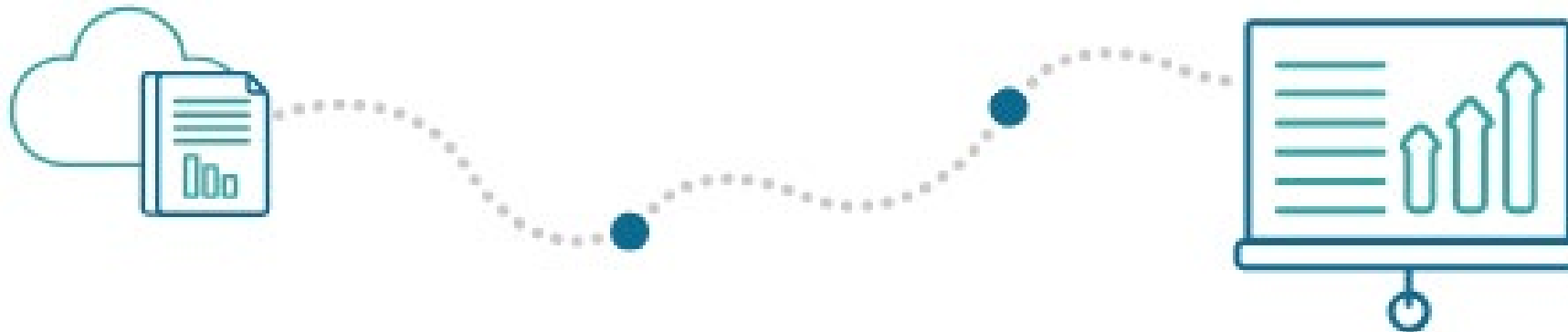
Shared Understanding Across All Credentials

- **Who We Are**

- Non-profit
- Community built
- Data Driven
- ***Mission oriented around credential transparency***

- **What We Do**

- Provide common infrastructures
- Leverage a common language
- Build and mobilize partnerships
- Develop and support open technology





Shared Understanding

- The market is large and expanding
- Over 738,000 credentials confirmed in the U.S. alone.
- As many or more competency models / frameworks
- Approximately \$2t spent in the U.S. market annually
- Possibly 40,000+ separate providers / issuers of credentials, *7000 from IPEDS, 500+ licensing bodies, 1000+ certification bodies, 23,000+ apprenticeship programs, thousands of badge issuers*



Micro-Credential



Diploma



Competencies



Apprenticeship



License



Quality Assurance (QA)



Badge



Degree



Certificate



Certification





Credential Engine's Open Technologies



Credential Transparency Description Language (CTDL) Common language that describes key features of credentials, credentialing organizations, competencies, and quality assurance bodies.



Publishing
After creating a user account, organizations use the API, Credential Registry Publisher, or bulk upload to convert information to CTDL and publish to the Registry as Linked Open Data.



Credential Registry
The Registry collects and connects credential data described with CTDL and supports an open applications marketplace.

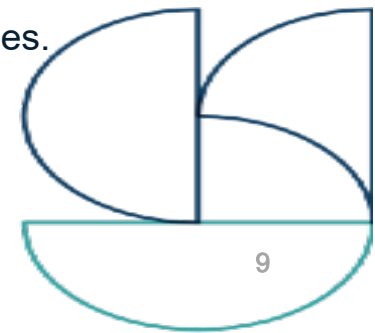


CREDENTIAL FINDER

Credential Finder
A basic Web app to view and explore the information stored in the Registry and provides an option to create customizable search widgets.



Community
A wide range of stakeholders provide and receive technical assistance and other services to both publish to the Registry and consume the data it houses.





Credential Engine Tech Stacks

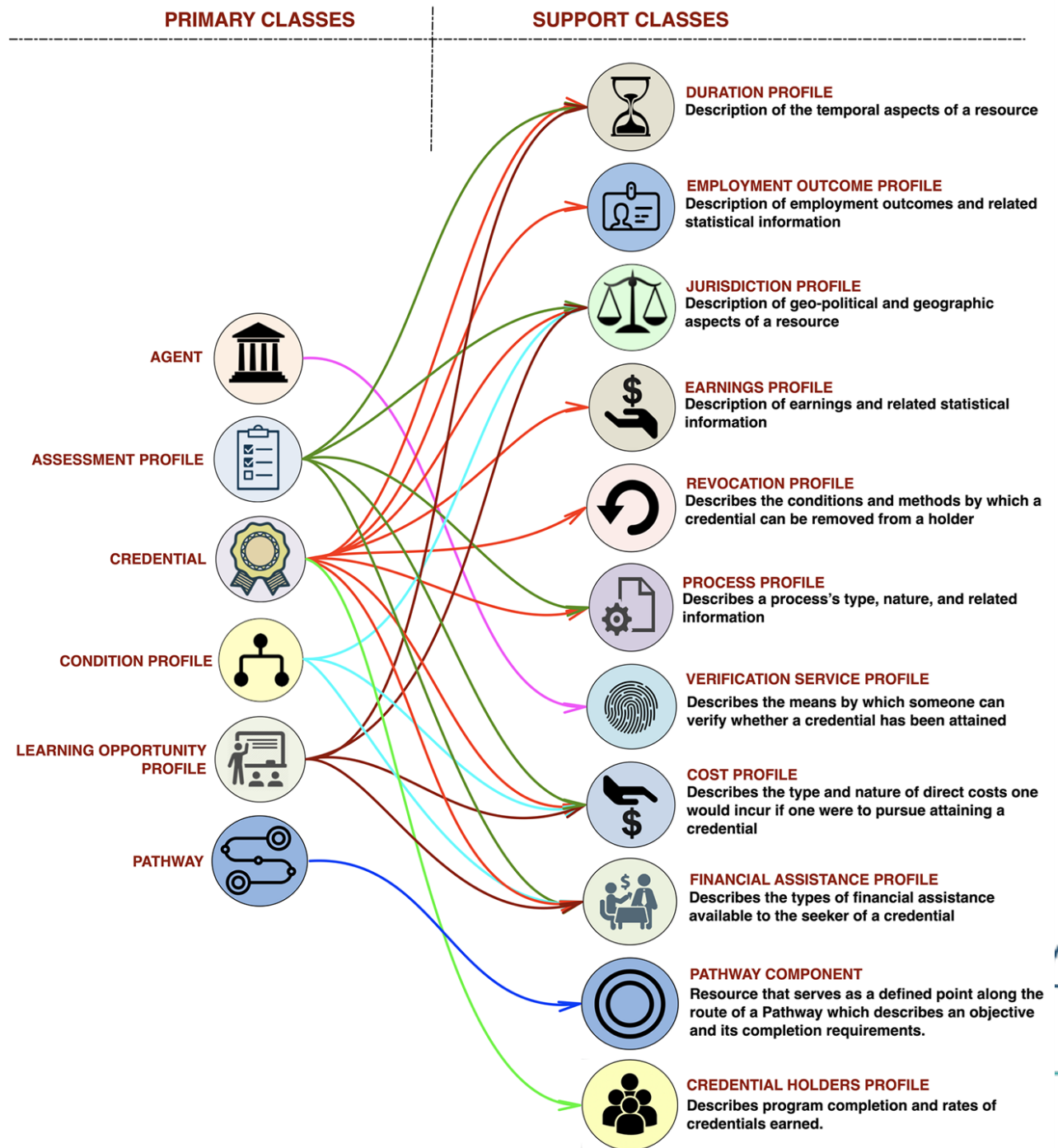
Credential Engine maintains nationally scalable development, testing, staging and production cloud-hosted infrastructure for managing, publishing and consuming data.

1. Account Management Stack			
2. Schema Management	3. Publishing Stack	4. Registry Stack	5. Graph Search Stack
1.a. Organization Accounts 1.b. Issue keys 1.c. Third-party publishing permissions 1.d. Publishing group and custom-branded partner page management			
2.a. CTDL 2.b. CTDL ASN 2.c. Quantitative Data 2.d. Specialized Profiles	3.a. Publishing APIs 3.b. Bulk Uploads (CSV files) 3.c. Manual Editors 3.d. Ingesting from Web	4.a. Linked Data Store 4.b. Minimum Data policy 4.c. Currency Policy	5.a. Graph Search 5.b. Customizable Search Widgets 5.c. Credential Finder



Credential Transparency Description Language

- Modeled using the W3C's Semantic Web principles, the CTDL family of specifications has been developed to support rich descriptions of credentials, their requirements, and other related data.
- Our Description Languages (schema) for all types of credentials supports search and discovery and comparability by using linked, open, interoperable, machine-actionable data.

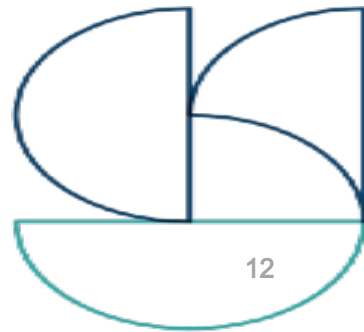




Publishing to the Registry

Any credentialing organization, or state as a 3rd-party publisher (for credentialing organizations) ,can:

1. Set up a Credential Engine account.
2. Select from publishing tools:
 - a. API for structured data in a database
 - b. Bulk upload using spreadsheets
 - c. Manual entry for small quantities of credentials
3. Use the selected tools to manage information and publish to the Registry:
 - a. Use the API sandbox to test
 - b. Preview information managed with bulk upload or manual entry before publishing
4. Publish to the Registry.
5. Use the formatted data in your own environment, embed on websites, and consume from the Registry





Registry: Minimum Data and Currency Policies

<https://credreg.net/registry/policy>

Approved by the Credential Engine Board of Directors and effective on September 15, 2017
Last Updated on 5/15/2020

1. Minimum Data Policy

The Credential Transparency Description Language (CTDL) is the common language by which credentials and credentialing organizations are described. We don't expect organizations to include information about each term in the language; however, some terms will be required, while others are recommended.

- See the full list of terms here: <http://credreg.net/ctdl/terms>. Any term not listed on this page is considered optional.
- Registry mapping guide page: <http://credreg.net/ctdl/mapping/registry>

The CTDL is a living language; as such, new terms and new profiles (e.g. labor market value, career pathways, holder profiles, etc.) are still being developed. These additions to the CTDL will be reviewed and categorized into "required, required if available, recommended, and optional" classifications. Accordingly, policies will be updated as necessary to reflect any changes in our Minimum Required Data policies.

work, or quality assurance information as data to the Registry will be reviewed for the purpose of authentication.

Information as data will be reviewed prior to being included in the Registry to ensure, to the extent possible, it is provided with the Credential Engine's terms of use and policies.

itions:

at least one of: Description, Subject Webpage, and/or Financial Assistance Type
cial Assistance Value
tunity Profile now recommend Financial Assistance

th the same requirements and recommendations as the other credential types.

itions related to the **Pathway** class and its related classes. Use the filters at the bottom of the page to show pending policy
official indicate which properties are required and recommended for classes related to pathways.

Contents

- 1. Minimum Data Policy
 - 1.1. Policy Changes
 - 1.2. Definitions
 - 1.3. Credential Organization
 - 1.3.1. Required
 - 1.3.2. Recommended Benchmark
 - 1.3.3. Optional
 - 1.4. Quality Assurance Organization
 - 1.4.1. Required
 - 1.4.2. Recommended Benchmark
 - 1.4.3. Optional
 - 1.5. Credential
 - 1.5.1. Required
 - 1.5.2. Recommended Benchmark
 - 1.5.3. Optional
 - 1.6. Assessment Profile
 - 1.6.1. Required
 - 1.6.2. Recommended Benchmark
 - 1.6.3. Optional
 - 1.7. Learning Opportunity Profile
 - 1.7.1. Required
 - 1.7.2. Recommended Benchmark
 - 1.7.3. Optional
 - 1.8. Condition Manifest
 - 1.8.1. Required
 - 1.8.2. Recommended Benchmark
 - 1.8.3. Optional
 - 1.9. Cost Manifest
 - 1.9.1. Required
 - 1.9.2. Recommended Benchmark
 - 1.9.3. Optional

Show/Hide Table of Contents

Sections

Select the section of the guide to view.

- Credential Organization
- Quality Assurance Organization
- All
 - Credential
 - Assessment Profile
 - Learning Opportunity Profile
 - Condition Manifest
 - Cost Manifest
 - Condition Profile
 - Cost Profile
 - Quantitative Value
 - Credential Alignment Object
 - Financial Assistance Profile
 - Competency Framework
 - Competency
 - Pathway Set
 - Pathway
 - Pathway Component
 - Component Condition

Selected All Credential Types

Selected 11 Sections

Selected 2 Importance Levels

Selected 1 Policy Status

Download (JSON)

Download (CSV)



Consuming Data From the Registry

<https://credentialengine.org/build/>

Applications and systems can consume data from the Registry:

1. Set up a Credential Engine account to access Registry keys.
2. Select from consuming options:
 - a. Graph search
 - b. Import and store
3. Use the online guides.
4. Consume data.

Applications in Action






Credential Finder

<https://credentialfinder.org>

CREDENTIAL FINDER *Discover Credentials Powered by Credential Registry Prototype Phase* Search About


Search **For**
 Credentials Search Filters

Found 14979 results Show/Hide Descriptions Show/Hide Gray Buttons Sort by Most Recent List Map

CyberSAFE (Securing Assets for End-Users) Exam CBS-210.
 CertNexus

 Micro-Credential

This certification is designed non-technical end users of computers, mobile devices, networks, and the Internet, and will enable them to use technology more securely to minimize digital risks.


Last Downloaded: 5/26/2020

HEALTHCARE CODING - CERTIFICATE
 Neosho County Community College

 Certificate

One-year Technical Certificate : A program that prepares individuals to perform specialized data entry, classification, and record-keeping procedures related to medical diagnostic, treatment, billing, and insurance documentation. Includes instruction in medical records and insurance software applications, basic anatomy and physiology, medical terminology, fundamentals of medical science and treatment procedures, data classification and coding, data entry skills, and regulations relating to Medicare and insurance documentation.

1 Quality Assurance 1 Audience Level Time Estimate

Last Downloaded: 5/24/2020

HEALTH INFORMATION TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE
 Neosho County Community College

 Associate's Degree

Associate Degree : A program that prepares individuals, under the supervision of health information administrators and other professionals, to construct medical records and clinical databases, perform manipulations on retrieved data, control the security and quality of records, and supervise data entry and technical maintenance personnel. Includes instruction in clinical and biomedical science data and information requirements, database management, data coding and validation, information security, quality control, health information content and structure, medical business procedures, and legal requirements.

1 Quality Assurance 1 Audience Level Time Estimate

Last Downloaded: 5/24/2020

BAKING - ASSOCIATE OF APPLIED SCIENCE

0 Credentials 0 Organizations 0 Assessments 0 Learning Opportunities Expand/Hide Details Compare Selected





Credential Finder

<https://credentialfinder.org>

CREDENTIAL FINDER Discover Credentials
Powered by Credential Registry
Prototype Phase

Search About

Health Assisting Compare

NOCTI
Certification
+ Badge Issued

Basic Info

Connect to this Credential

About this Credential

The Health Assisting industry-based credential is included in NOCTI's Job Ready assessment battery. Job Ready assessments measure technical skills at the occupational level and include items which gauge factual and theoretical knowledge. Job Ready assessments typically offer both a written and performance component and can be used at the secondary and post-secondary levels. Job Ready assessments can be delivered in an online or paper/pencil format. This assessment can be used at the secondary, post-secondary, and adult levels and is tied to the NOCTI Workforce Competency Credential. Individuals meeting a minimum benchmark also have the opportunity to earn college credit. More specific information about the standards and competencies measured can be found in the Assessment Blueprint at: <http://nocti.org/blueprint.cfm>.

Estimated Time to Complete Required Assessments

Health Assisting
Estimated: 3 hours
Written Assessment - 163 Questions (may be administered in one, two, or three sessions)

Credential Status Type

Active

Credential Type

Certification

Alternate Name(s)

Test Code 4143

Audience Levels

Beginner Level Secondary School or Equivalent Postsecondary Level
Associates Degree Level

Location Info

Available Online

Jurisdiction

This credential can be used in:
• North America
This credential is available throughout North America.

Owned By

NOCTI
NOCTI is the largest provider of industry-based credentials and industry association certifications for career and technical education (CTE) programs across the nation. NOCTI credentials are nationally accredited, recommended for college credit, meet federal accountability requirements, help guide d...

Owned By Offered By

Copyright Holder

NOCTI
NOCTI is the largest provider of industry-based credentials and industry association certifications for career and technical education (CTE) programs across the nation. NOCTI credentials are nationally accredited, recommended for college credit, meet federal accountability requirements, help guide d...

Copyright Holder

More Info

Competencies

41 Assesses 41 Competencies

Connections

1 Has 1 Common Condition

Quality Assurance

5 Quality Assurance
1 Owner's Quality Assurance

Requirements and Recommendations

1 Requires 1 Assessment
1 Other Recommendations
1 1 Renewal Requirement

Estimated Costs

2 Costs
1 Assessment Cost

Details

7 Processes

0 Credentials 0 Organizations 0 Assessments 0 Learning Opportunities Expand/Hide Details Compare Selected





Credential Finder

<https://credentialfinder.org>

The screenshot displays the 'Health Assisting' credential page. On the left, there is a sidebar with sections for 'NOCTI Certification', 'Process Data', 'Additional Info', and 'Latest Version'. The main content area is titled 'Registry Info' and contains the following details:

- Registry Information**
 - CTID:** ce-47f4380e-aa5b-4458-b83f-f48c176ea9a1
 - Envelope:** 87c1def7-ce1c-4d29-b2ea-080eabd7e3fe
 - Resource:** [View in Registry](#)
- Raw Metadata**

```
{
  "@context": "https://credreg.net/ctdl/schema/context/json",
  "@id": "https://credentialengineregistry.org/graph/ce-47f4380e-aa5b-4458-b83f-f48c176ea9a1",
  "@graph": [
    {
      "@id": "https://credentialengineregistry.org/resources/ce-47f4380e-aa5b-4458-b83f-f48c176ea9a1",
      "@type": "ceterms:Certification",
      "ceterms:ctid": "ce-47f4380e-aa5b-4458-b83f-f48c176ea9a1",
      "ceterms:name": {
        "en-US": "Health Assisting"
      },
      "ceterms:naics": [
        "62111"
      ],
      "ceterms:keyword": {
        "en-US": [
          "Allied Health",
          "Health Assisting",
          "Health Occupations",
          "Health Science",
          "Nurse Assisting"
        ]
      },
      "ceterms:ownedBy": [
        "https://credentialengineregistry.org/graph/ce-6a62b250-a1a2-4d31-a702-cdc2437ef031"
      ],
      "ceterms:renewal": [
        {
          "@type": "ceterms:ConditionProfile",
          "ceterms:name": {
            "en-US": "Health Assisting"
          },
          "ceterms:assertedBy": [
            "https://credentialengineregistry.org/graph/ce-6a62b250-a1a2-4d31-a702-cdc2437ef031"
          ],
          "ceterms:description": {
            "en-US": "To be eligible for certification renewal, individuals must complete this assessment and meet or exceed the benchmark."
          },
          "ceterms:subjectWebpage": "http://www.nocti.org/PDFs/JobReady/4143_Health_Assisting.pdf",
          "ceterms:targetAssessment": [
            "https://credentialengineregistry.org/resources/ce-9e811fb2-28e8-4f6c-8a84-9c78c6589f12"
          ],
          "ceterms:audienceLevelType": [
            {
              "@type": "ceterms:CredentialAlignmentObject",
              "ceterms:framework": "http://credreg.net/ctdl/terms/AudienceLevel",
              "ceterms:targetNode": "audLevel:BeginnerLevel",
              "ceterms:frameworkName": {
                "en-US": "AudienceLevel"
              },
              "ceterms:targetNodeName": {
                "en-US": "Beginner Level"
              }
            },
            {
              "@type": "ceterms:CredentialAlignmentObject",
              "ceterms:framework": "http://credreg.net/ctdl/terms/AudienceLevel",
              "ceterms:targetNode": "audLevel:SecondaryLevel",
              "ceterms:frameworkName": {
                "en-US": "AudienceLevel"
              },
              "ceterms:targetNodeName": {
                "en-US": "Beginner Level"
              }
            }
          ]
        }
      ]
    }
  ]
}
```

At the bottom right of the main content area, there is a 'Credential JSON-LD' icon circled in red, with a timestamp '22, 2020 6:42 PM' below it. A 'Compare' button is visible in the top right corner of the application interface.



Credential Finder Customizable Widgets

<https://credentialfinder.org/widget>

Credential Finder Widgets

Customize the Credential Finder search as a widget that you can embed on your website. Customizing the search, limits the search results to the credentials that you want your community to see and includes options for removing filters, setting other parameters, and changing colors to match your website.

Getting Started

Before being able to create a widget, you must be a registered user. To register, follow this link.

After registering, you will be prompted to create an organization. When creating an organization, you must specify at a minimum that under the consuming data section, you select the following:

- Customizing Credential Finder Widgets

After the organization is approved, you can return here to create a widget.

If you already have a verified account, Login here.

Example Widgets

Below are some example live widgets created by Credential Engine partners.

Indiana State University

Providers:
Owned By, Offered By Indiana State University

Found 170 Results Compare Selected Map Settings Relevance

B.A. in Philosophy
Indiana State University
Students who are interested in a variety of topics and enjoy considering the basic questions of existence will benefit from the formal study of philosophy at Indiana State University. A study of philosophy provides students with an awareness of basic assumptions, an appreciation of ethical reasoning, and the power of logical process, abilities that are valuable in every academic discipline and excellent preparation for a variety of careers.
Bachelor's Degree 3 Quality Assurance 1 Instructional Program 1 Learning Delivery Type
Last Updated 1/15/2019

B.A. in Theatre
Indiana State University
The Theater Program provides a broad and solid foundation in the artistic, intellectual, and practical aspects of theater that prepares students for professional careers as actors, playwrights, directors, and designers. The program is also excellent preparation for graduate studies.
Bachelor's Degree 3 Quality Assurance 1 Instructional Program 1 Learning Delivery Type
Last Updated 1/15/2019


B.A./B.S. in Communications
Indiana State University
Communication majors study theory and practice in a focused set of courses designed to maximize professional development. Communication graduates are prepared for careers in multimedia fields, journalism, public relations, and human communication. The program offers excellent preparation for graduate studies.
Last Updated 1/15/2019






Technical Information

<https://credreg.net>

CE/Technical
Powered by  Credential Engine

Menu 

Technical Planning Home Announcements Technical Advisory Group Application Work Group Task Groups	CTDL Handbook Terms Serializations Mapping Guidance Embedding CTDL in Websites Release History Types List	CTDL-ASN Handbook Terms Serializations Mapping Guidance Release History	QData Handbook Terms Serializations Mapping Guidance Release History	Credential Engine Registry Introduction Handbook Minimum Data and Currency Policy Publishing Assistant API Guide Publishing Competencies and Concepts	Quick Start Guidance Quick Start Publishing Quick Start Consuming Use Cases CTDL Explorer Query Helper Github	Meta Schema Terms Serializations Credential Engine Navy Project Navy ARTT Project GEIA 0007 Schema S3000L Schema S1000D Schema S6000T Schema
---	---	---	--	---	--	--

Technical Advisory Group

The Technical Advisory Group (TAG) promotes collaboration across, and harmonization of, standardization initiatives that are developing data models, vocabularies, and schemas for credentials and competency frameworks, and related competency information such as criticality ratings and assessment data typically captured with a wide variety of systems.

The goal is to identify, document and openly share solutions that support comparability of credentials and competencies across industries/sectors, human resource systems, education, and government systems.

[Learn More](#)


The Application Work Group (AWG) is a standing subgroup of the TAG and supports members who are using Credential Engine data to design and/or develop applications. Credential Engine will provide technical team support, and online tools (e.g., GitHub repository, Slack Channel, Google Docs) and host meetings to bring members together to foster support. Anyone interested in sharing technical challenges and solutions is welcome to join the Applications Work Group.


[Learn More](#)

Developers

Developers are able to leverage the the Credential Registry API to build applications that can read or publish as much or as little information about credentials as they need to.

The Credential Engine project's developers are using Dublin Core Application Profiles process to create systems that communicate all virtually all aspects of credentials.

[Quick Start Publishing Guidance](#) 

[Quick Start Consuming Guidance](#) 

[Learn More](#)

Credential Engine Account

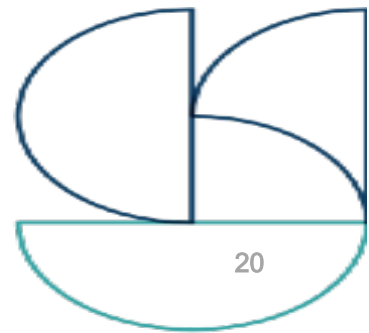
Get started with Credential Engine today by:

1. [Create](#) or [Login](#) to your Credential Engine account
2. Get your organization approved to publish and/or consume
3. Learn more about CTDL, the Registry, and the publishing and consuming APIs



Notes

- Public Service Non-Profit
We believe that full access to linked, open, transparent data is a public good. We are not a “vendor”
- No Fees to Publish Data.
- No Fees for Non-Commercial Use.
- Our language is an open, Creative Commons Licensed schema.
- Our role is NOT to define quality, but to provide appropriate ways to have quality described and determined by appropriate entities (i.e. accreditors, state agencies, etc.).
- We do not collect or track individuals or their data.





Poll Question #2



Convergence Accelerator Team – Connected Learn & Work Ecosystem



INDIANA COMMISSION for HIGHER EDUCATION



Lumina FOUNDATION



Jeff Grann (PI)

Credential Engine



Ken Sauer (Co-PI)

IN Commission for Higher Ed



Jenny Parks (SP)

MHEC



Emilie Rafal (SP)

Credential Engine



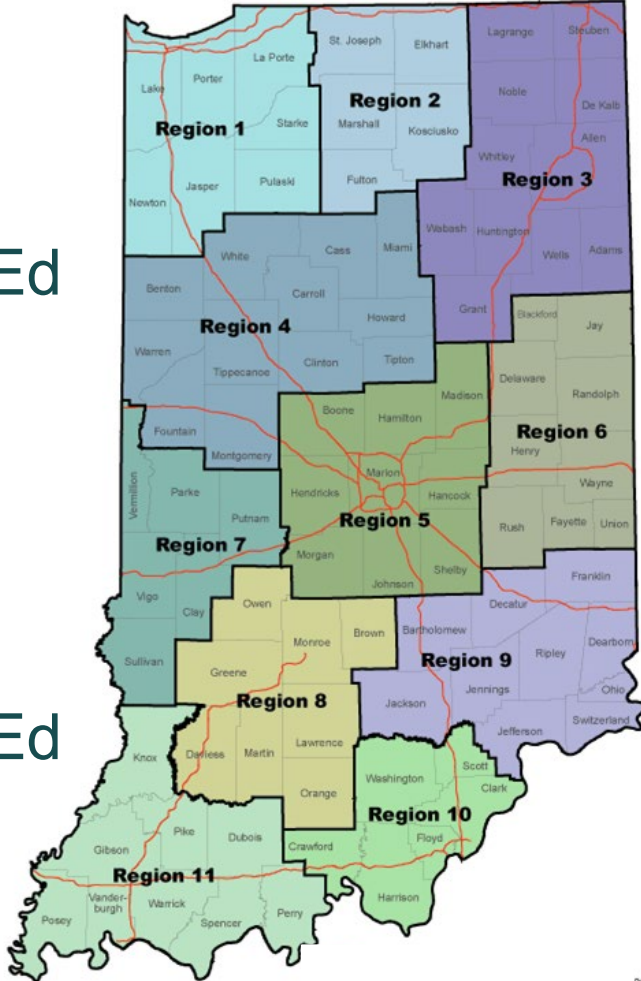
Jillian Scholten (SP)

IN Commission for Higher Ed



Holly Zanville (SP)

Lumina Foundation



Phase 1: Data exchange evaluation criteria, Indiana roadmap, state-level toolkit

Phase 2: Connected data exchanges, new user applications, outcome measures

Data Expert Workshop: October - define requirements

Use Case Workshops: November & January - Indiana employers, ed providers, government, & experts

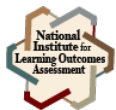
201



INDIANA UNIVERSITY SCHOOL OF MEDICINE

COMPETENCY-BASED EDUCATION NETWORK

DRUCKER INSTITUTE



SKILLFUL A MARKLE INITIATIVE





Midwest Credential Transparency Survey

4/27/20 - 5/6/20

Focal areas

1. State priorities
2. Stakeholders
3. Engagement strategies

Sample

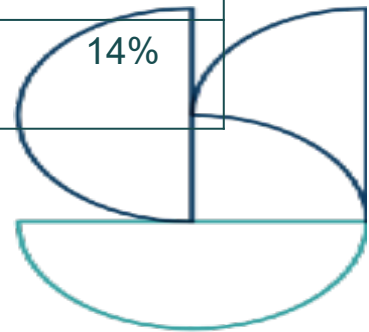
- MHEC commissioners, alternates, and midwest CE partners
- n = 26 (58% state government, 30% credential providers, 12% non-profits)
- At least one response from each midwest states.





Findings- State Priorities

Priority	Current	Future	Not a Priority	Don't know
Careers: Help displaced & transitioning workers gain skills for better jobs	90%	5%	0%	5%
Planning: Set credential attainment goals by state employment needs (occupational sectors, population sectors, credential types, etc.)	81%	5%	10%	5%
Quality: Identify high-value credentials (such as certificates, micro-credentials, badges, and degrees) for in-demand occupations	67%	19%	10%	5%
Pathways: Identify education and career pathways supported by credentials and required for in-demand industries/occupations	76%	14%	5%	5%
Competencies: Identify skills & competencies supported by credentials and required for in-demand industries/occupations	38%	29%	24%	10%
Return on Investment (ROI): Measure and track educational outcomes and effectiveness of credentials	43%	38%	10%	10%
Equity: Ensure equitable opportunities and outcomes for education and training	62%	19%	10%	10%
Performance: Meet statewide secondary & postsecondary credential attainment goals	85%	10%	5%	0%
Policy: Update state policies and practices supporting workforce, employers, and education providers	57%	19%	10%	14%

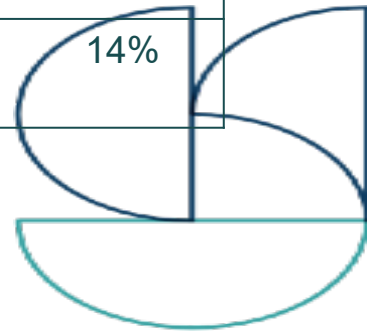




Findings- State Priorities

Priority	Current	Future	Not a Priority	Don't know
Careers: Help displaced & transitioning workers gain skills for better jobs	90%	5%	0%	5%
Planning: Set credential attainment goals by state employment needs (occupational sectors, population, etc.)	81%	5%	10%	5%
Quality: Identify and degree requirements			10%	5%
Pathways: Identify required for			5%	5%
Competencies for in-demand			24%	10%
Return on Investment effectiveness			10%	10%
Equity: Ensure			10%	10%
Performance: Meet statewide secondary & postsecondary credential attainment goals	85%	10%	5%	0%
Policy: Update state policies and practices supporting workforce, employers, and education providers	57%	19%	10%	14%

Current: Careers and Performance
Future: ROI and Competencies





Findings- Stakeholders

Stakeholder	Currently engaged	Not currently engaged but should be	No need to engage	Don't know
High school leadership	76%	14%	0%	10%
College and university faculty	60%	30%	0%	10%
College and career counselors	67%	19%	0%	14%
Registrars and administrators	45%	25%	5%	25%
College and university leadership	86%	10%	0%	5%
Educational technology providers	33%	19%	14%	33%
Human resource professionals and hiring managers	43%	43%	14%	0%
Employer executives	76%	19%	5%	0%
Non-profit organizations	50%	20%	5%	25%
State workforce and education agencies	95%	5%	0%	0%
State legislators	76%	19%	0%	5%
Governor's office representatives	86%	10%	0%	5%





Findings- Stakeholders

Stakeholder	Currently engaged	Not currently engaged but should be	No need to engage	Don't know
High school leadership	76%	14%	0%	10%
College and university leadership	<p style="text-align: center;">Current: State agencies and college leadership Recruit: HR, faculty & registrars</p>			10%
College and university faculty				14%
Registrars				25%
College and university HR				5%
Educational agencies				33%
Human resources				0%
Employer organizations				0%
Non-profit organizations				25%
State workers				0%
State legislators				76%
Governor's office representatives	86%	10%	0%	5%





Findings– Engagement strategies

Strategies	Highly effective	Effective	Not very effective	I don't know
Large face-to-face meetings (50 or more participants)	5%	50%	35%	10%
Small, face-to-face meetings (less than 50 participants)	40%	50%	0%	10%
Large, virtual or telephonic meetings (20 or more participants)	0%	35%	40%	25%
Small, virtual or telephonic meetings (less than 20 participants)	20%	60%	0%	20%
Webinars	11%	42%	26%	21%
Newsletters	0%	30%	45%	25%
Social media	6%	39%	22%	33%
Shared databases and platforms	21%	37%	5%	37%
Action teams focused on certain issues and tasks	63%	32%	0%	5%
Press coverage	11%	58%	21%	11%





Findings- Engagement strategies

Strategies	Highly effective	Effective	Not very effective	I don't know
Large face-to-face meetings (50 or more participants)	5%	50%	35%	10%
Small, face-to-face meetings (10-49 participants)				
Large, virtual meetings (50 or more participants)				
Small, virtual meetings (10-49 participants)				
Webinars				
Newsletter				
Social media				
Shared data				
Action teams focused on certain issues and tasks	63%	32%	0%	5%
Press coverage	11%	58%	21%	11%

Use small web meetings & action teams to engage





95%

MHEC Commissioners
interested in Credential Transparency



Poll Question #3





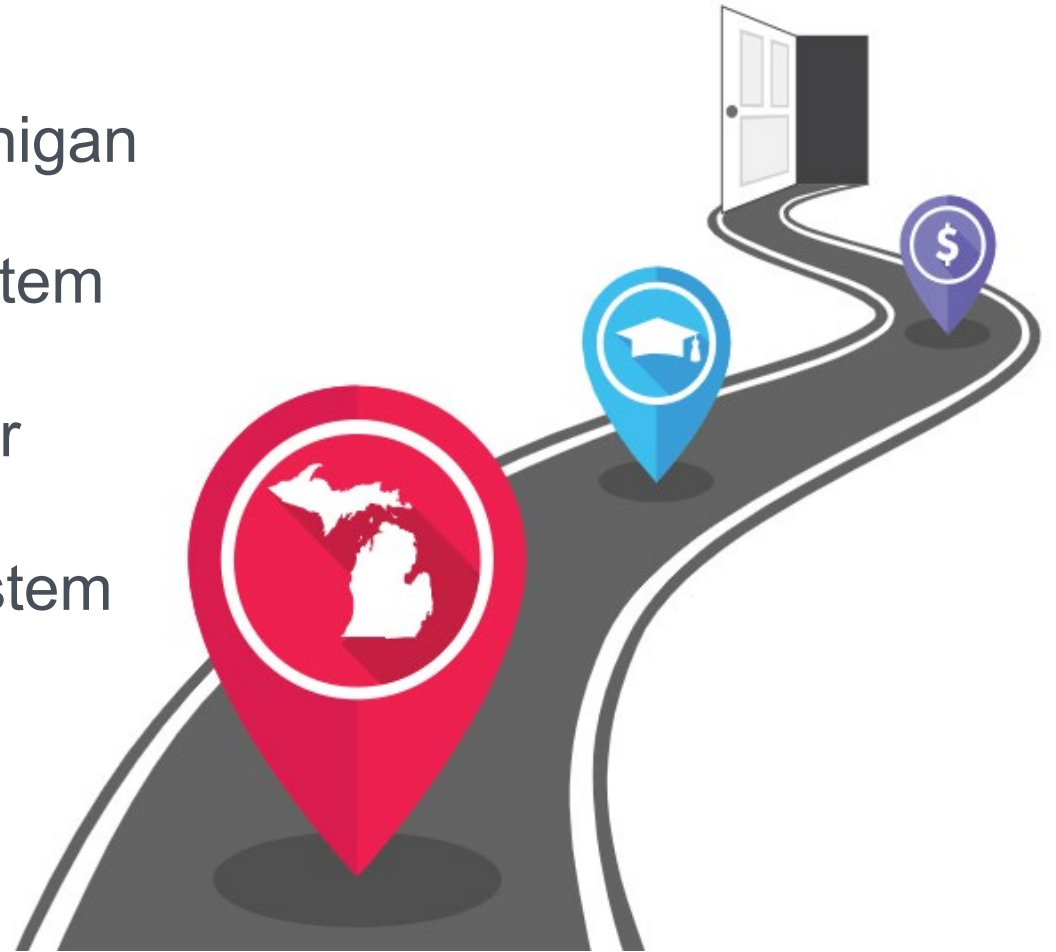
Credential Transparency in Michigan

Michigan Department of Labor and
Economic Opportunity-Workforce Development



Business Cases

1. Expand Registered Apprenticeships in Michigan
2. Enhance Public Workforce Information System
 - Pure Michigan Talent Connect (PMTTC)
 - Michigan Education & Career Pathfinder
 - Michigan Training Connect (MiTC)
 - One-Stop Management Information System (OSMIS)
3. Define Career Pathways in Michigan



Project Status – July 2018 Launch



Asset Mapping

- Credentials & Certifications
- Owners, Partners, & Stakeholders

Phased Approach

1. Assisting State departments to publish licenses and certifications issued to residents to work in Michigan.
- Incorporated Credential Registry deliverables into a WDQI grant in 2019 to include funding a temporary staff member dedicated to assisting with account creation, data gathering, and credential uploading

Project Status – July 2018 Launch

Technology



2. Creating API connection to upload credential information available to LEO through state databases including Proprietary Schools, secondary and postsecondary CTE programs, colleges and universities and the ETPL.
 - ~ 6,900 Learning Opportunities and Credentials in queue
3. Created API connection to download credential information from the Registry applicable to Michigan residents – including Michigan credentials - to create a database to use in state systems identified in Business case #2.

Opportunities for Michigan

- Connect training programs with certifications.
- Assist in credential evaluation across state education and workforce initiatives and federal guidelines.
- Unify terms across industry, education, and workforce arenas.
- Allow employers, jobseekers and programs to communicate credentials.



Apprenticeship



Badge



Certificate



Certification



Degree



Diploma



License



Micro-Credential



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Talent Information Systems - Specialist

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Michigan Department of
Labor and Economic Opportunity -
Employment and Training

Michigan.gov/LEO

The background of the slide features a large, faint, circular seal of the State of Indiana. The seal contains the text "THE STATE OF INDIANA" at the top and "1816" at the bottom. In the center of the seal is a figure of a Native American man, likely a representation of the state's history and identity.

Credential Engine

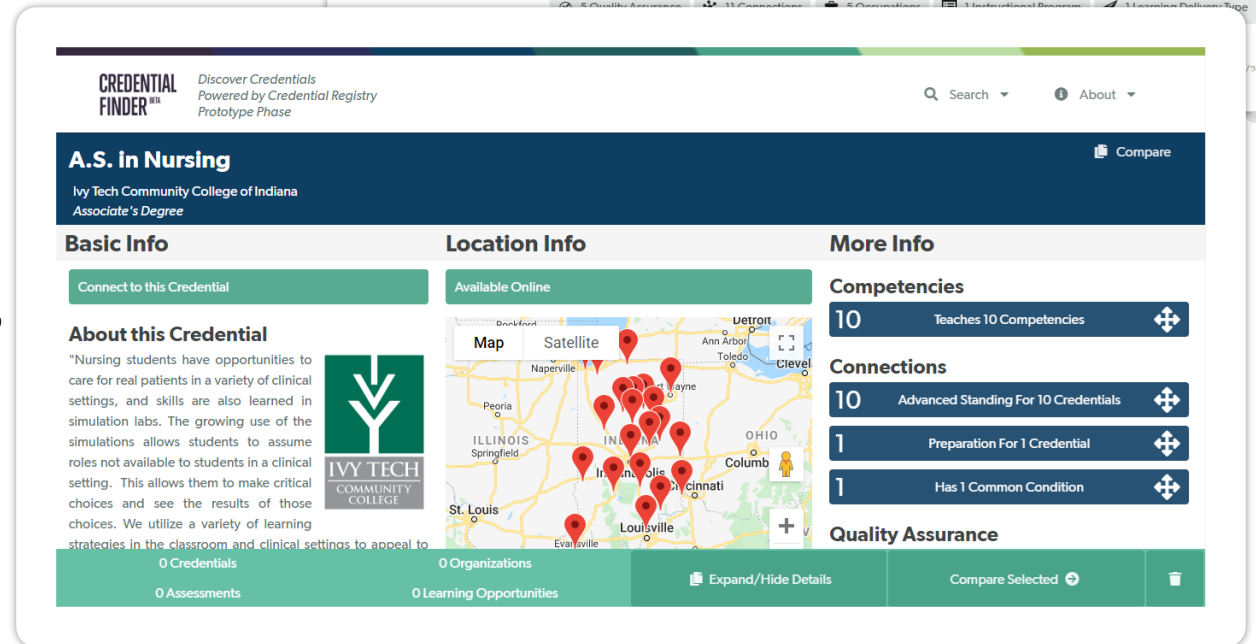
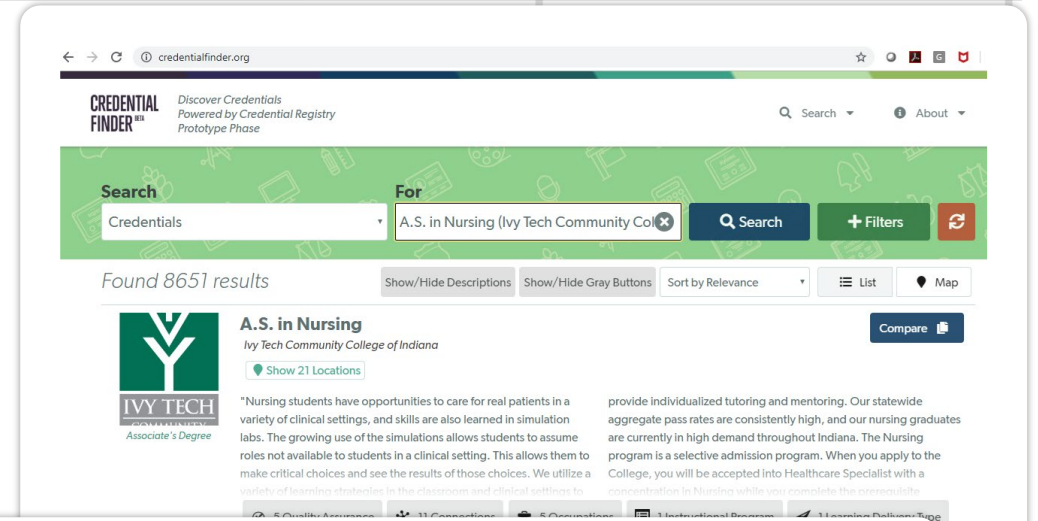
Indiana

Indiana Commission for Higher Education

May 28, 2020

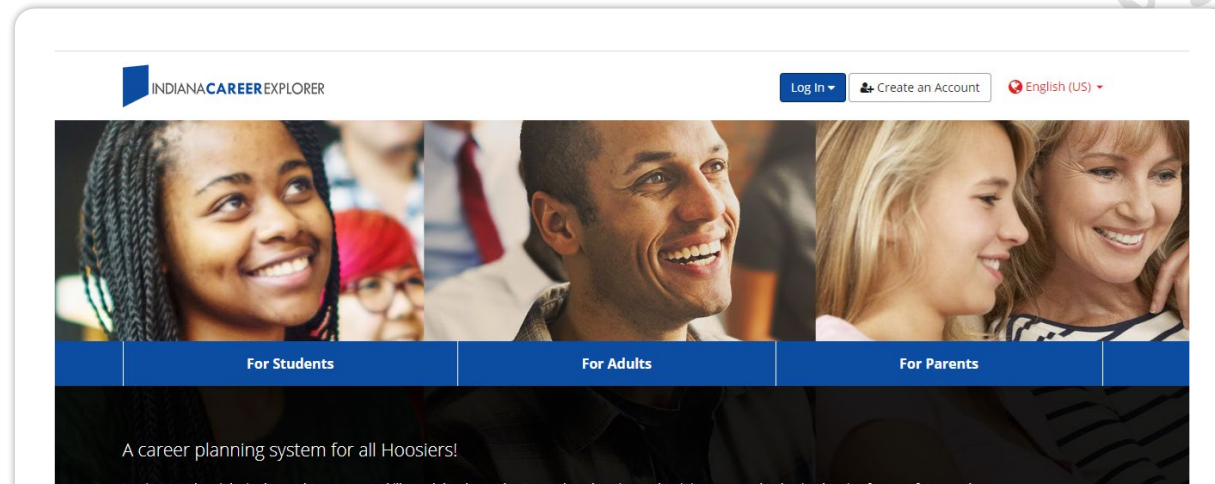
DATA WE'VE PUBLISHED

- ▶ Public Sector:
 - ✓ All 2- and 4-year campuses
 - ✓ All certificate and degree programs at
 - ✓ All levels
- ▶ Two Private, Non-Profit Institutions
- ▶ 3,000+ Indiana Credentials



USE CASE #1: SECONDARY SCHOOLS (HIGH SCHOOLS, DUAL CREDIT PROGRAMS AND CAREER EXPLORATION)

- ▶ High School Early College Programs
 - ▶ Starting with 31 high schools endorsed by CHE and Center for Excellence in Leadership of Learning (CELL)
 - ▶ Connection to postsecondary credentials
- ▶ Working with existing and future career exploration software vendors to use data in the Credential Registry



USE CASE #2: ELIGIBLE TRAINING PROVIDER LIST (ETPL)

- ▶ Eligible Training Providers have met specific performance and occupational demand criteria, and undergo an annual application review process
- ▶ Indiana's system is called INTraining
- ▶ Working to connect this system with Credential Engine Registry
- ▶ On hold due to COVID-19



INDIANA WIDGET: TRANSFERIN.NET/SEARCH

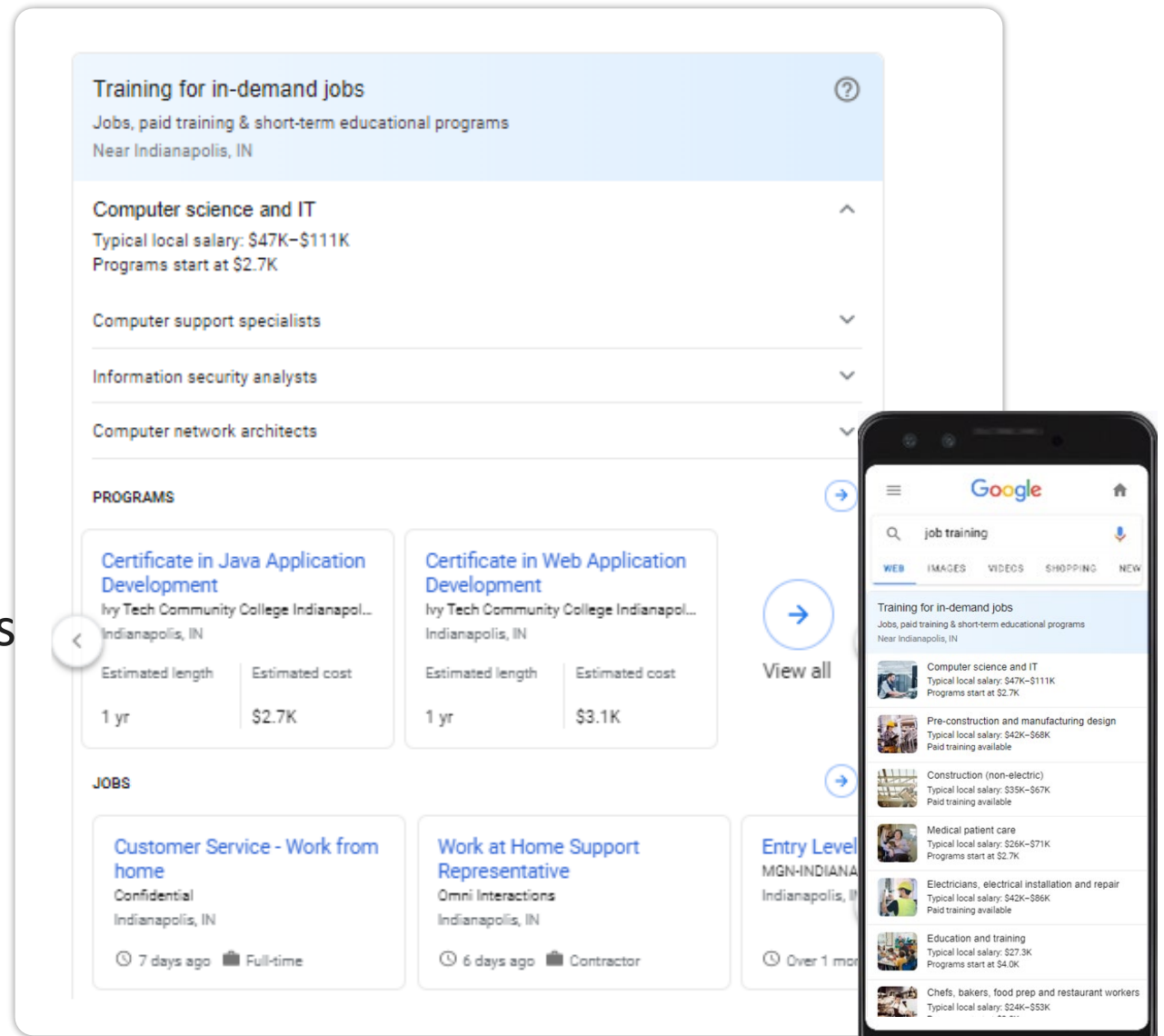


The screenshot shows the TransferIn.net website interface. At the top, there is a navigation bar with the TransferIn logo, a search bar labeled "Search TransferIn", and menu items for "EARNED CREDITS?", "TRANSFER RESOURCES", "ADVISORS & COUNSELORS", and "MILITARY STUDENTS". Below the navigation is a large banner image of a smiling man in a denim shirt looking at a laptop. The banner text reads "SEARCH AND COMPARE CERTIFICATE AND DEGREE PROGRAMS IN INDIANA".

Below the banner, there is a "Search Programs" section with a search bar and filters. The search results are displayed as a list of programs. The first result is "A.A. in Liberal Arts" from Ivy Tech Community College of Indiana, with a description: "Our Liberal Arts programs focus on areas such as communication, scientific inquiry, quantitative reasoning and ethical decision making. Classroom lectures focus on critical thinking, creative expression, and scientific reasoning. Students have the chance to select from a variety of courses to create a unique and personal academic pathway. The programs are taught on a more personal level than bigger colleges. They are taught in smaller groups by highly qualified instructors. The Associate of Arts". It also shows "4 Quality Assurance", "1 Instructional Program", and "2 Learning Delivery Types". The second result is "A.A. in Liberal Studies" from the University of Saint Francis, with a description: "Do you know exactly what you want to do when you graduate? Are you not finding a degree program for it? A degree in Liberal Studies allows you to completely customize your education, so you can craft the exact skill set you want to start the job of your dreams. With the help of a personal faculty advisor, you'll develop a customized two-year curricular plan. The USF liberal arts tradition and emphasis on Franciscan Values provide a strong foundation of support for this kind of flexible".

GOOGLE PATHWAYS APP

- ▶ Launched in Indiana in Dec 2019
- ▶ Three pilot sites
- ▶ In-demand information
- ▶ Alignment with credential descriptors



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Questions



Submit
questions in
the questions
box.

Next Webinars

Series 2:

Technology services for a connected learn-and-work ecosystem: Results from the Midwest Credential Transparency Survey

Thursday, June 4, at Noon CDT

<http://mhec.org/events>

Contact

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