ADD NJ PATHYAAYS TO CAREER OPPORTUNITIES Aligning Education to Build an Innovative Workforce

SUMMIT

June 7 & 8, 2023

Bally's Atlantic City Hotel & Casino





TODAY'S AGENDA Day 1

The Importance of Pathways and the NJ Pathways to Career Opportunities Initiative

Aaron Fichtner, Ph.D. (President, New Jersey Council of County Colleges)

America's Hidden Economic Engines

Rachel Lipson (Co-Author, America's Hidden Economic Engines and Co-Founder, Former Director, The Project on Workforce at Harvard) Moderated by Dr. Aaron Fichtner (President, New Jersey Council of County Colleges)

Pathways in a Changing World: Session I Stackable Credentials

Dr. Holly Zanville (Co-Lead, Credentials As You Go and Research Professor and Co-Director, Program on Skills, Credentials & Workforce Policy, George Washington University) Moderated by Catherine Starghill, Esq. (Executive Director, NJ Community College Consortium for Workforce & Economic Development)

Pathways in a Changing World: Session 2 Work-Based Learning and Apprenticeships

Dr. Annelies Goger (Fellow, The Brookings Institution) Moderated by Maria Heidkamp (Chief, Innovation and Partnerships, New Jersey Council of County Colleges)

Reception & Dinner





WELCOMING REMARKS

Dr. Michael McDonough

President *Raritan Valley Community College*





WELCOMING REMARKS

Michele Siekerka, Esq.

President and CEO

New Jersey Business & Industry Association





THE IMPORTANCE OF PATHWAYS AND THE NJ PATHWAYS TO CAREER OPPORTUNITIES INITIATIVE

Aaron Fichtner, Ph.D.

President

New Jersey Council of County Colleges



This vision is focused both on increasing the attainment of post-secondary industry credentials and degrees to meet the state's **credential attainment** goal of 65x25 and addressing persistent and troubling **equity gaps** in the state's economy. The ultimate goal is to help more individuals achieve a family-supporting career.

Ultimately, we want to ensure that more New Jerseyans are prepared to:

- Have family supporting careers
- Be prepared to thrive and contribute in a diverse society and democracy
- Have fulfilling lives



Foundation & Vision

1. Build strong partnerships with businesses and labor unions

2. Ensure that high school students have a clear path to a postsecondary credential or degree

3. Ensure that community college students have a path to further education

4. Ensure that credential programs are responsive to the changing needs of the economy

5. Create pathways to credentials and degrees for adults through partnerships with community based organizations and workforce development organizations 6. Create new on-ramps to community college degree programs through pathways from noncredit programs and PLA and partnerships with employers

7. Enhance our capacity to use data to inform the development of pathways



Foundation & Vision

STATEWIDE INCLUSIVE COLLABORATIVES				
HEALTH SERVICES	TECHNOLOGY & INNOVATION	INFRASTRUCTURE & ENERGY	MANUFACTURING & SUPPLY CHAIN MANAGEMENT	
CENTERS OF WORKFORCE INNOVATION				
Patient Care	Data Science	Renewable Energy	Manufacturing Production & Engineering	
Health Care Technology & Administration	Cybersecurity	Construction	Supply Chain Logistics	
	Programming & Software Development			
	Research & Development			

GIVE US YOUR FEED-BACK





AMERICA'S HIDDEN ECONOMIC ENGINES

Rachel Lipson

Co-Author America's Hidden Economic Engines Co-Founder, Former Director The Project on Workforce at Harvard

<u>Moderator</u> Aaron Fichtner, Ph.D.

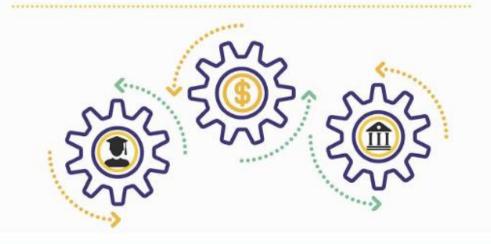
President

New Jersey Council of County Colleges



AMERICA'S HIDDEN ECONOMIC ENGINES

How COMMUNITY COLLEGES Can Drive SHARED PROSPERITY



VORKFORCE

Rachel Lipson

NJ Pathways to Career Opportunities Summit

June 7, 2023

HARVARD Kennedy School MALCOLM WIENER CENTER for Social Policy



Managing the Future of Work



Overview

Project background and motivation

Key takeaways

Discussion

About the project

Harvard's Project on Workforce was founded in 2019 as a collaboration between Harvard's Kennedy School of Government, Business School, and Graduate School of Education. Our mission is to build a research agenda for a postsecondary education system of the future with

- More and better pathways to economic mobility
- Smoother transitions between education and careers

America's Hidden Economic Engines project - flagship effort in our community college portfolio

- Project launched in Summer 2021
- Case writing Fall '21-Spring '22
- June 28, 2022 convening with College Presidents plus cross-sector teams from six states



Our goals

- **Practitioner-facing:** Focus not just on *"what"* colleges have done to support career goals of students and positioned themselves as key players in the regional economy, but also *how* they have done it
- **Multiple audiences:** Colleges, government, business, community partners. Book contains lessons for college leaders aiming to strengthen their economic development mission, but also for business and public policy stakeholders to understand what is required for community colleges to be engines of economic mobility
 - 1. Show what is possible when community colleges embrace their economic and workforce development mission.
 - 2. Provide actionable, detailed "how-to"s
 - 3. Guide future public policy and investment

College selection

Regional Characteristics	Student Characteristics	Performance data
U.S. region	Race/ethnicity	Graduation rates
Urban/Suburban/rural	Age	Economic mobility (moved up 2+ income quintiles)
Enrollment size	Full-time/part-time	Median earnings (2, 5, 10 years post graduation; compared to HS graduates in region)
Key industries	Credit/non-credit enrollment	Notable national recognition
Median income, educational attainment in county	% receiving Pell grants	

Case study institutions

College	Region	Metro Area	Enrollment* (2021-2022)
Lorain County Community College	Midwest	Cleveland-Elyria, OH	14,322
Mississippi Gulf Coast Community College	Southeast	Gulfport-Biloxi, MS	20,282
San Jacinto Community College	South	Houston-The Woodlands- Sugar Land, TX	44,947
Pima Community College	Southwest	Tucson, AZ	33,393
Northern Virginia Community College	Mid-Atlantic	Washington- Arlington- Alexandria, DC-VA-MD	72,798

*Enrollment data reflects counts of credit, noncredit, and dual enrollment students provided independently by the institutional research offices at each case college. Differing data definitions or collection methodologies across institutions could affect counts.



What will it take:

Igniting the Community College Engine

Building the Blueprint: Regional Kingmakers

Outward-facing leadership

Senior executive teams represented in all key economic decision-making entities

Picking the right industries and jobs

Mobilizing new capital

Building true talent supply chain relationships

Activating the entrepreneurial ecosystem

San Jacinto's Chancellor Advisory Councils: co-chaired by C-suite leaders from regional employers and the college's chancellors.

NOVA was a lead institution in Virginia's winning bid to secure Amazon HQ2

Lorain County Community College built a successful microelectronics program almost a decade before Intel announced it was coming to Ohio

Pima Community College participates in all economic development attraction meetings in Tucson area

Building the Blueprint: Institutional Transformation

Integrating Education and Career

Functional reorganizations

Non-credit as an incubator and blurring of credit and non-credit

Flexible on-ramps and off-ramps, including fast-track programs

Innovative career advising, including faculty and staff role, classroom-integrated models, cohort-based models

Universal work-based learning

In-house labor market data expertise

MGCC Schools Model: co-chaired by C-suite leaders from regional employers and the college's chancellors.

San Jacinto launched mandatory student success course and reduced share of general studies by almost half in five years

Pima guarantees that 100 percent of its learners will have a work-based experience, many of which are paid

NOVA and **Pima** created horizontal business development units that create single points of entry for employers

LCCC's new fast-track program is under 16 weeks, free for learners and attracted new types of learners

Building the Blueprint: The Next Frontier

If you build it, will they come?

Shifting demographics and reforms for working learners (scheduling, remote and hybrid learning, paid work experiences)

Equity agenda and tackling occupational segregation

Future of work implications: transferable and soft skills; changing geography of work

Fixing the funding model

Rethinking how we define community college success

Virginia's FastForward program funds high-wage, short-term programs in priority fields for the state

MGCC CTE Health Metrics system disaggregates all program success data by gender, race and ethnicity

Pima CC invested in a non credit registration system that integrates with their data warehouse so they can collect rich information on both credit and non credit learners

Ohio's Community College Acceleration Program is using SNAP E&T funds to scale the CUNY ASAP wraparound support model in the stage

https://youtu.be/JGAUxl5tcaE





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Managing the Future of Work





GIVE US YOUR FEED-BACK



NETWORKING BREAK





PATHWAYS IN A CHANGING WORLD: SESSION 1 STACKABLE CREDENTIALS

Dr. Holly Zanville

Co-Lead Credentials As You Go

Research Professor and Co-Director, Program on Skills, Credentials & Workforce Policy George Washington University

<u>Moderator</u> Catherine Starghill, Esq.

Executive Director

NJ Community College Consortium for Workforce & Economic Development





NJ Pathways to Career Opportunities Summit

Pathways in a Changing World: Session 1

June 7, 2023

Holly Zanville Credential As You Go / Learn & Work Ecosystem Library

Working to improve education and employment outcomes for all learners





The Journey

Where do you want to go?	To a fair learn-and-work ecosystem for all Americans		
Too many words. Try again.	To an incremental credentialing system		
Searching for location "Incremental Credentialing system" – found it. What is the starting location?	A system in which the primary focus is placed on traditional academic degrees as the main qualification for employment and career advancement. Emphasis is on acquiring a degree from an accredited educational institution such as a college or university, and using that degree as key credential for securing employment. Individuals typically follow a linear path where they pursue a degree in a specific field of study, accumulate knowledge and skills through academic coursework, and then enter the workforce with expectation that their degree will provide them with better job prospects and advancement opportunities. Employers often prioritize candidates with higher educational qualifications. Advancement within an organization may be tied to obtaining further degrees or higher-level qualifications. System tends to place strong emphasis on theoretical aspects of learning, focusing on academic subjects and disciplines. It often assumes a degree is a reliable indicator of an individual's knowledge, skills, and competence in a particular field.		
Too many words. Try again.	From a degree-centric system		
Searching for start location "degree-centric system" to plan the trajectory - found it.	The journey: Go from a degree-centric system to an incremental credentialing system. Push "start" for directions		





Four Drivers of Change

- Degree-Centric System
- Equity
- Credential Expansion
- 21st Century Workforce Needs



National Student Clearinghouse Some College, No Credential Student Outcomes

Some College, No Credential (SCNC) population reached 40.4 million. This total was up 1.4 million from 39.0 million the prior year.

Lack of re-enrollment + 2.3 million more recent stop-outs drove this large growth.

All 50 states and D.C. experienced growth in SCNC population.

~2.9 million (7.3%) are "potential completers" who already made at least2 years' worth of academic progress up until their last enrollment.

Annual Progress Report – Academic Year 2021/22 -- April 25, 2023

Why don't we recognize learning acquired along the education and career journey?

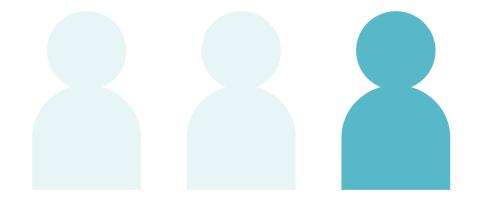
Is the only valuable learning a college degree or certificate?

It is in a degree-centric system.

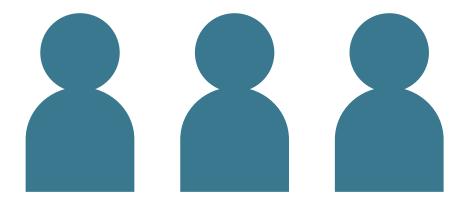
It is not so in an incremental credential system.



Postsecondary Attainment in the U.S.



2 out of 6 Upper secondary or below 1 out of 6 some college/ no credential



3 out of 6 have a college credential

White – 71% Black – 10% LatinX - 10% Asian – 9%



Source: Data based on 224.5M adults 25 years and older (Acquired from U.S. Census Bureau 2021)



Counting U.S. Postsecondary and Secondary Credentials



1,076,358 Unique Credentials in U.S.

18 detailed credential categories across 4 types of credential providers:

POSTSECONDARY EDUCATIONAL INSTITUTIONS 350,412 degrees, certificates

MASSIVE OPEN ONLINE COURSE (MOOC) PROVIDERS

13,014 course completion certificates, microcredentials, online degrees from foreign universities

NON-ACADEMIC PROVIDERS

656,505 badges, course completion certificates, licenses, certifications, apprenticeships

SECONDARY SCHOOLS

56,179 diplomas from public and private secondary schools, alternative certificates from secondary schools, high school equivalency diplomas



21st Century Skills & Competencies

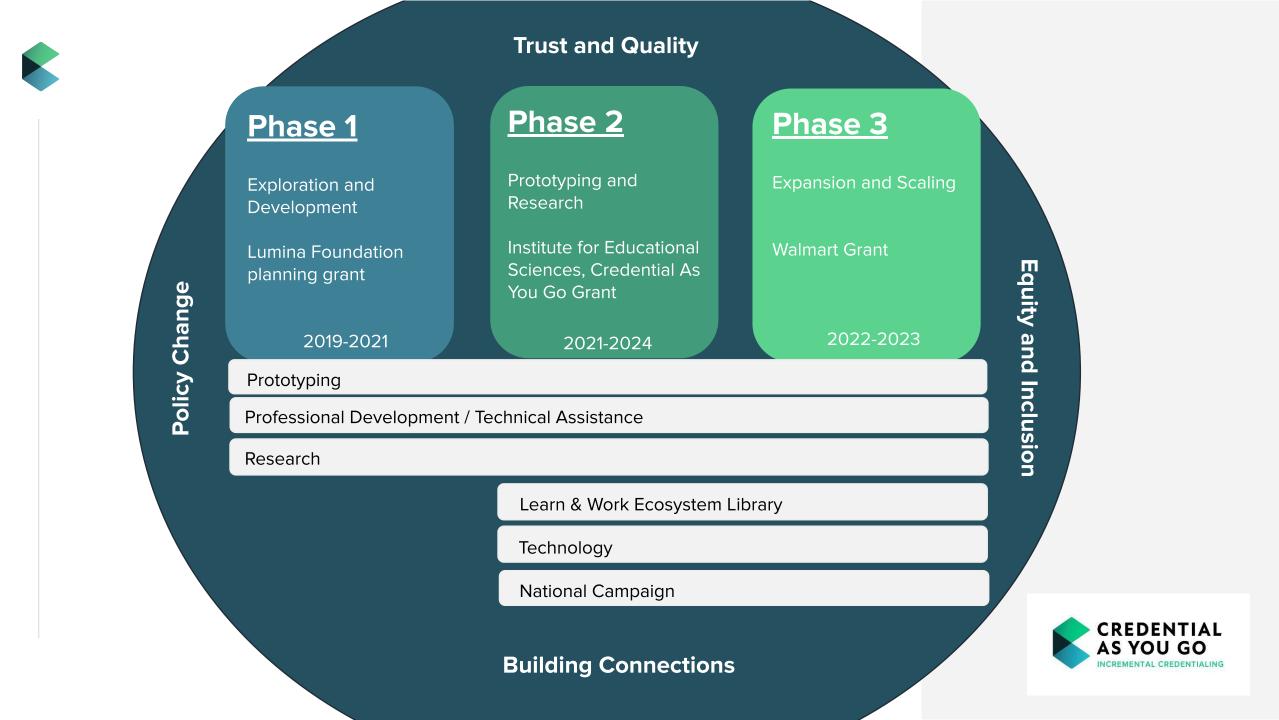
- ALIMAN -





A movement to develop a nationally adopted incremental credentialing system that improves education and employment outcomes for all learners.







Nine Bodies of Work

Incremental Credentialing Ŀ Increase the availability of incremental credentials for learners 1 National Campaign Ð Increase awareness of and value for Bodies of Work incremental credentials Research (I) Inform implementation and outcomes through research

Professional Development

Assistance to provide expert advising, tools, and resources



Equity + Inclusion

Ensure equity of incremental credentials

Policy Change

Develop policy and practice reforms to support incremental credentialing

Technology

Guidance on infrastructure to support incremental credentials

Trust

Ensure trust, quality, and integrity of incremental credentials

Building Connections

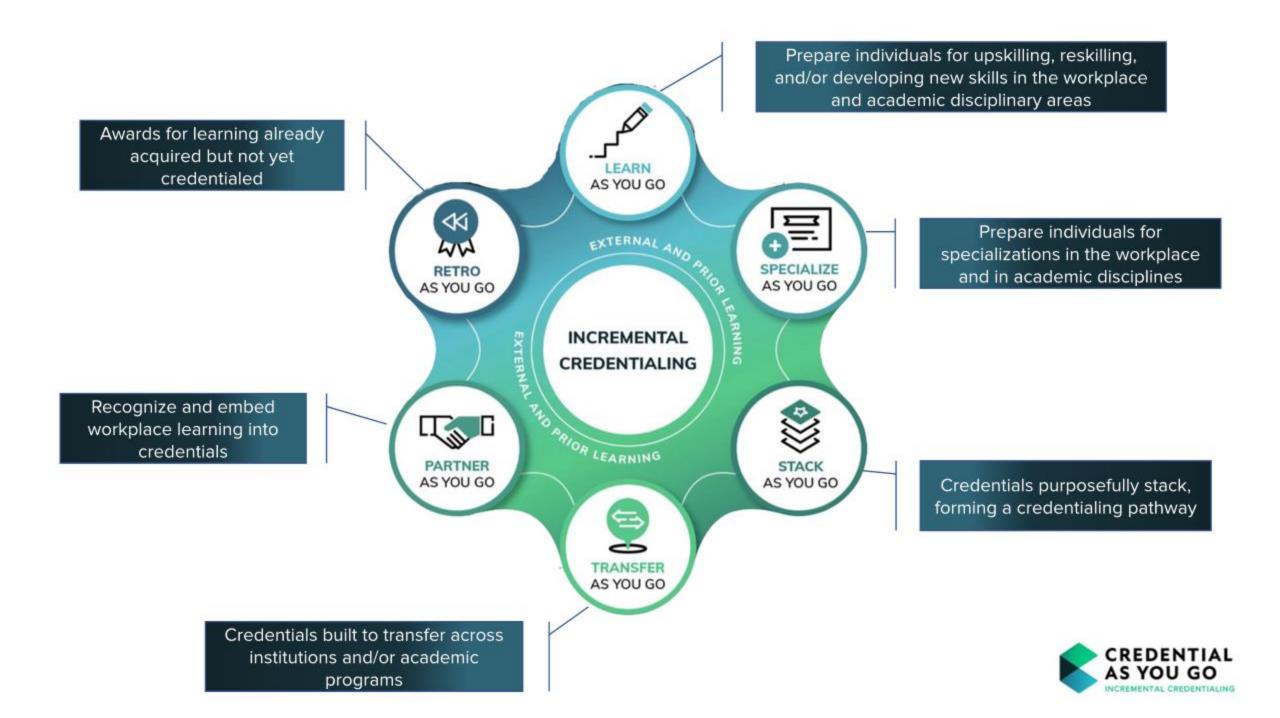
Connect this work with related initiatives across learn and work ecosystem

Incremental Credentialing Framework

The incremental credentialing process formally credentials learning that individuals acquire along the way so that they can be recognized for employment and further education. The framework provides six approaches to developing and implementing incremental credentials.



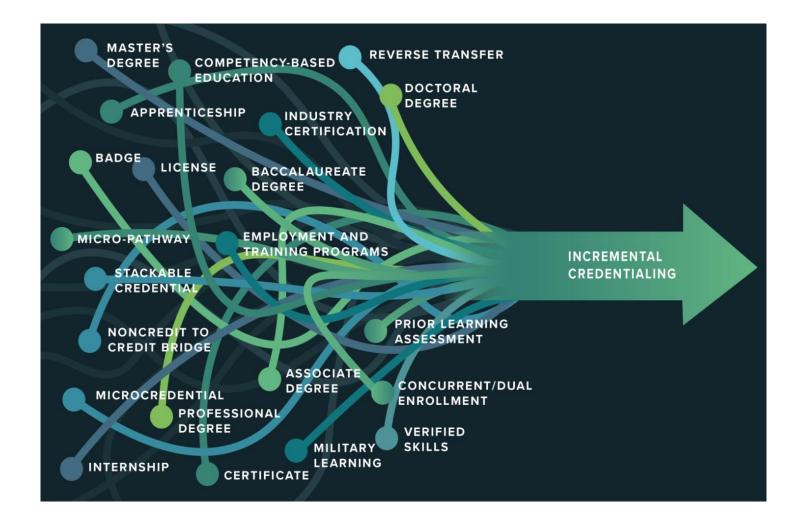




What are Incremental Credentials?

Incremental Credentials capture learning as it is acquired along the learning pathway and formally recognizes and connects that learning to a larger context of education and work.

The purpose of incremental credentials is to ensure learners are recognized for what they know and can do as they acquire the learning — and not leave learners without formal documentation of that learning.



Did you miss the Feb. 1 Summit on Higher Ed Quality Assurance & Incremental Credentialing? Click here! Learn More



CONNECT

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Incremental credentialing Improving Education and Employment Outcomes For All Learners

Moving to a nationally adopted incremental credentialing ecosystem that improves education and employment outcomes through an array of credentials, including degrees, that document what learners know and can do

LEARN MORE

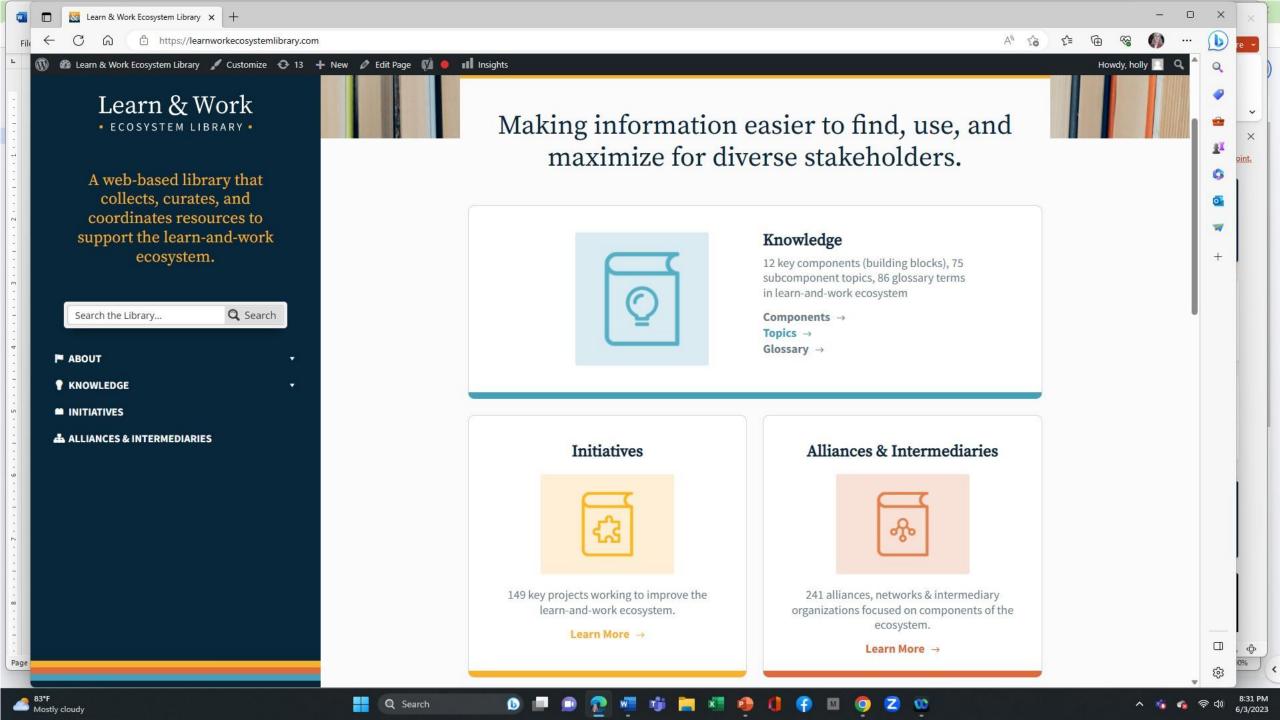
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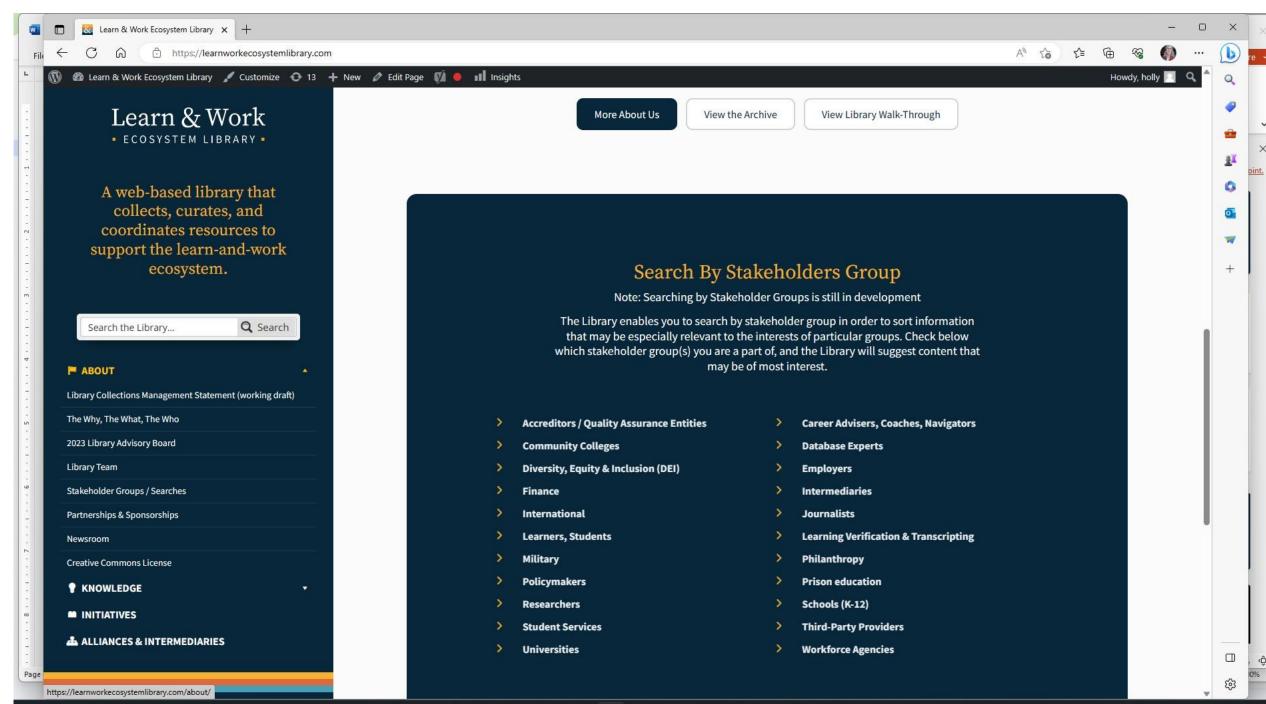
https://credentialasyougo.org



Playbooks at Credential As You Go Website - More Soon

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Learn & Work

A web-based library that collects, curates, and coordinates resources to support the learn-and-work ecosystem.

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KEY INITIATIVE

New Jersey Pathways to Career Opportunities Initiative



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New Jersey's Community Colleges and the New Jersey Business & Industry Association (NJBIA) launched the <u>New</u> <u>Jersey Pathways to Career Opportunities program</u> in December 2021. The initiative is aligning employers, industry associations, labor unions, educational institutions, and workforce development partners to provide students and workers with structured pathways to find career opportunities—and to ensure that employers have access to a highly skilled workforce to meet critical labor market needs.

The Pathways initiative is led by Collaboratives that are focusing on four industries that are the foundation of the state's economy: (1) Health Services; (2) Technology and Innovation; (3) Infrastructure and Energy; and (4) Manufacturing and Supply Chain Management. Each Collaborative is working to obtain high-quality, timely labor market information about the changing needs of employers, and to build an ecosystem of education and training partners that encourage collaboration and information sharing.

Ten Centers of Workforce Innovation are supporting the Collaboratives. All 18 of New Jersey's Community College partners, as well as high schools, four-year colleges and universities, and community-based training providers across the state are involved. Their common goal is to align and improve existing curricula, prioritize industry-valued <u>credentials</u>, and develop transfer agreements.

Deliverables for the Pathways initiative include:

- · development of a state strategic workforce plan for each of the four industries
- · identification of labor market demand and industry-valued credentials for each industry
- · development of detailed career pathway maps to guide the work
- · dissemination of the career pathway maps to students and workers at all levels.

Resources

- Video featuring education, business and legislative leaders
- org
- Partners

Q Search

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Learn & Work ecosystem library

Library Walk-Through 4-Minute Video

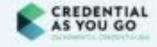
https://youtu.be/PVL6QVuz-lk

Learn & Work ECOSYSTEM LIBRARY



Credential As You Go Dictionary

Definitions & Use of Key Terms & Concepts in Incremental Credentialing



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A web-based library that collects, curates, and					0
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ecosystem.	Academic advising is the collaborative process by which students engage with a member of their institution (professor, mentor, or advisor) to receive direction or advice on academic or personal decisions. The purpose of this process is to counsel or inform students, so they get the most of their college experience. Advising includes establishing educational goals or milestones based on the student's interests and intentions.				+
ABOUT	Accreditation				
KNOWLEDGE •	According to the U.S. Department of Education, accreditation is the process of assessment meant to improve academic quality and institutional accountability by an established set of standards to ensure a basic level of quality. Accreditation				
INITIATIVES	covers both the initial and ongoing approval of an educational institution or program. Entire schools or institutions can be accredited (referred to as institutional accreditation), as can individual schools, programs, or departments (referred				
ALLIANCES & INTERMEDIARIES	to as specialized or programmatic accreditation). Accreditation can be conducted on the national, state, or private organizational levels. The accrediting agency establishes an agreed-on set of standards, evaluates organizations or institutions, and then re-evaluates the provider on a set schedule—typically, every five or ten years.				
	Adult learners				
	Adult learners are known by a variety of names: nontraditional students, adult students, returning adults, adult returners, mature learners, comebackers. Common characteristics: usually 25 or older; delayed entering college for at				
	least one year following high school; usually employed full-time; often have a family and dependents to support; may				
	have started college as a traditional student but needed to take time off to address other responsibilities; looking to enhance their professional lives or may be switching careers; have more experience than traditional students, having characterized of the start				
	already started a career or served in the military; more mature, independent, and motivated than traditional students.				
	Alternative Credential Platforms				
	Nontraditional and digital credentials are offered through a higher education institution's partnerships with approved				6

Resources on Terminology

CREDENTIAL AS YOU GO



2022 Cohort

- 1. Appalachian State University Boone, NC
- 2. Caldwell Community College Hudson, NC
- 3. Colorado Department of Higher Education - Denver, CO
- 4. Colorado State University Global Campus - Aurora, CO
- 5. Colorado State University, Fort Collins -Fort Collins, CO
- 6. Colorado State University, Pueblo -Pueblo, CO
- 7. East Carolina University Greenville, NC
- 8. Fayetteville Technical Community College - Fayetteville, NC
- 9. North Carolina Community College System - Raleigh, NC
- 10. Pitt Community College Greenville, NC

- 11. Red Rocks Community College Lakewood, CO
- 12. SUNY Empire State University -Saratoga Springs, NY
- 13. SUNY Mohawk Valley Community College - Utica, NY
- 14. SUNY Rockland Community College Suffern, NY
- 15. SUNY Schenectady Community College - Schenectady, NY
- 16. SUNY State University of New York System -Albany, NY
- 17. SUNY Ulster Community College Stone Ridge, NY
- 18. SUNY University at Albany Albany, NY
- 19. SUNY University at Buffalo Buffalo, NY
- 20. University of North Carolina at Pembroke -Pembroke, NC
- 21. University of North Carolina System Raleigh, NC
- 22. Wake Technical Community College Raleigh, NC

2023 Cohort

- 1. American Health Information Management Association (AHIMA) - Chicago, IL
- 2. Bay Path University Longmeadow, MA
- 3. Bryan University Tempe, AZ
- 4. Central Christian College of Kansas -McPherson, KS
- 5. Cleveland State University Cleveland, OH
- 7. Colorado School of Mines Golden, CO
- 8. Credit for Prior Learning Assessment Network (C-PLAN), Minnesota State Colleges & Universities - St. Paul, MN
- 9. D'Youville University Buffalo, NY
- 10. Elon University Elon, NC

- 11. Florida Gulf Coast University Fort Myers, FL
- 12. Harford Community College Bel Air, MD
- 13. Houston Community College Houston, TX
- 14. Huntington Junior College Huntington, WV
- 15. Kennesaw State University Kennesaw, GA
- 16. Louisiana State University (LSU) Online & Continuing EducationBaton - Rouge, LA
- 6. The College of Westchester White Plains, NY 17. Miami University Regionals Middletown, OH
 - 18. Minneapolis College Minneapolis, MN
 - 19. Montgomery County Community College -Blue Bell, PA
 - 20. National Writing Project Berkeley, CA

- 21. Purdue University Global Indianapolis, IN
- 22. SUNY Onondaga Community College -Syracuse, NY
- 23. SUNY Westchester Community College -Valhalla, NY
- 24. Unity College New Gloucester, ME
- 25. University of Hawaii System Honolulu, HI
- 26. University of Missouri St. Louis, MO
- 27. University of Wisconsin Milwaukee, WI
- 28. Western Colorado Community College -Grand Junction, CO



Key Research Questions

- 1. What does it take to implement incremental credentials at institutions and change the national credentialing system?
- 2. What are the student outcomes from engaging in/completing incremental credentials?
 - Access
 - Enrollment
 - Persistence
 - Completion
 - Next Steps



Incremental Credentialing Outcomes

- So far, 101 incremental credentials have been identified to study:
 - □ 66% are launched.

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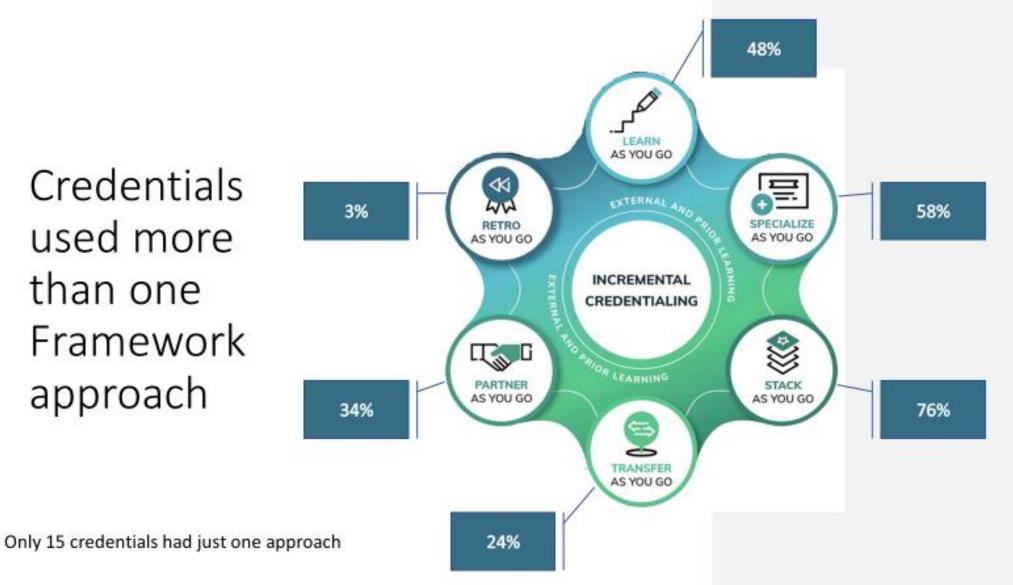
- 49% are credit-bearing, 37% are noncredit, and 15% are a combination often including industry credentials or credit for prior learning (CPL).
- For credit credentials, the most common range is 10-12 credits within the first two years of undergraduate studies.
- The titling of these credentials (e.g., microcredential, badge, certificate, degree) varies. Microcredential are the most commonly used title. (41%)



Credentialing Areas Across CO, NC, NY



Credentials used more than one Framework approach





WWW.CREDENTIALASYOUGO.ORG



Info@credentialasyougo.org



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https://learnworkecosystemlibrary.com/



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NETWORKING BREAK





PATHWAYS IN A CHANGING WORLD: SESSION 2

WORK-BASED LEARNING AND APPRENTICESHIPS

Dr. Annelies Goger

Fellow

The Brookings Institution

<u>Moderator</u> Maria Heidkamp

Chief, Innovation and Partnerships New Jersey Council of County Colleges



The role of Educators in Scaling Earn-and-Learn Opportunities

Annelies Goger, Brookings Metro

@Innelies_goger

New Jersey Pathways to Career Opportunities Summit, 2023

BROOKINGS

Why expand earn-and-learn?



Evidence that work-

based learning is

effective



Businesses need workers with technical skills and industry experience



Attractive to learners

who are left out



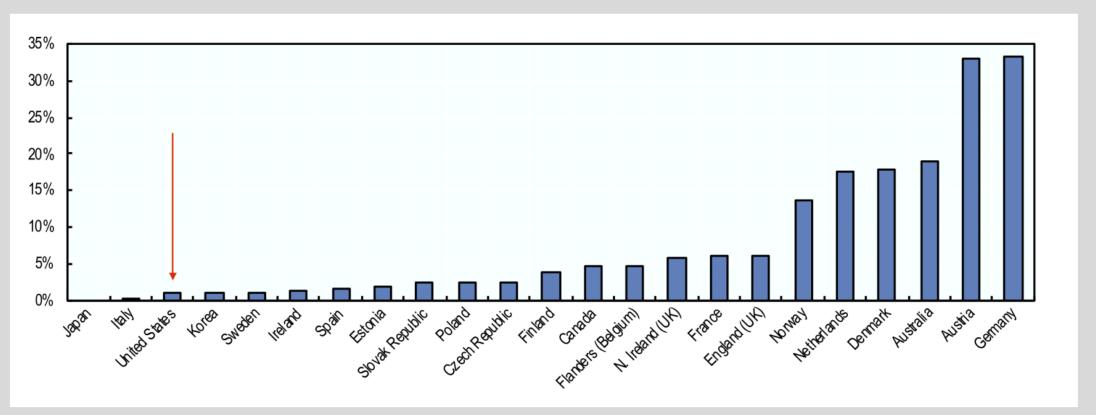
Options multiplier:

no dead ends



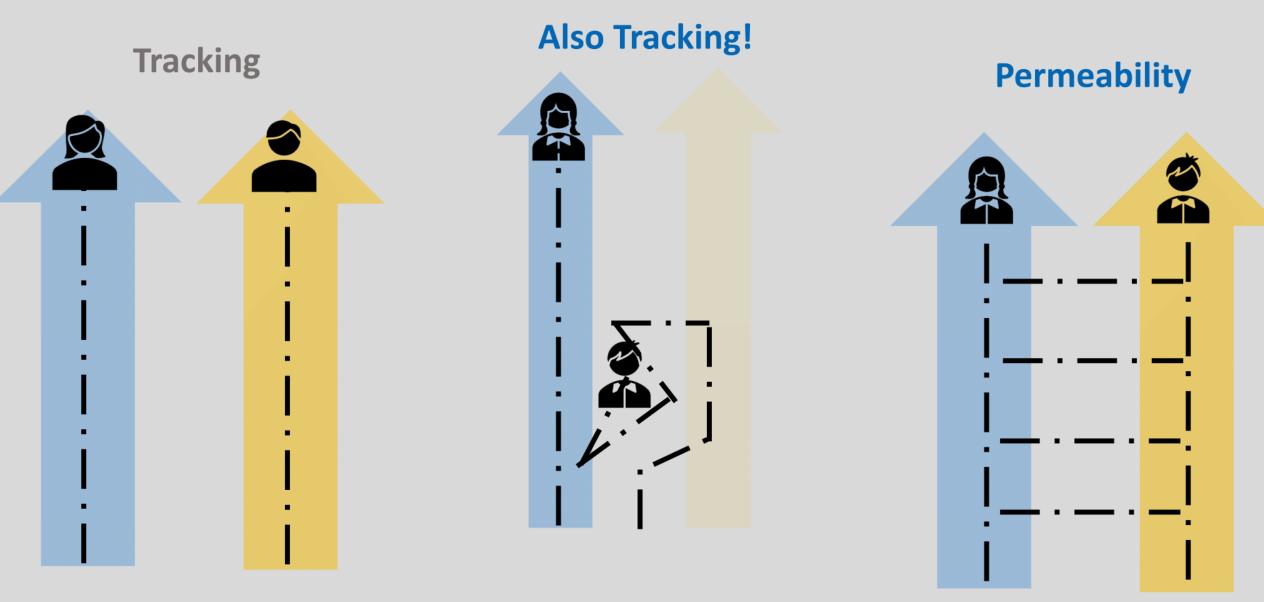
U.S. apprenticeships are siloed, limited in scale

Current apprentices as a share of all students enrolled in upper-secondary and short postsecondary education



Source: Kuczera, M. (2017), "Striking the right balance: Costs and benefits of apprenticeship", OECD Education Working Papers, No. 153, OECD Publishing, Paris, http://dx.doi.org/10.1787/995fff01-en.

BROOKINGS



Tracking versus permeability

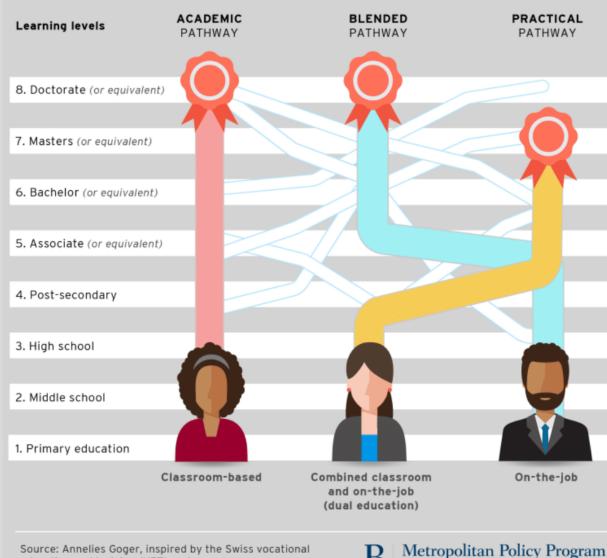


Key elements

- Applied, experiential pathways ٠
- Demand-driven, engaged employers ۲
- Learner-centered ۲
- Education-employment linkage ٠

MULTIPLE PATHWAYS to OPPORTUNITY

The changing nature of work will require a sophisticated vision for making our talent development ecosystem more equitable and functional for employers and workers



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at BROOKINGS

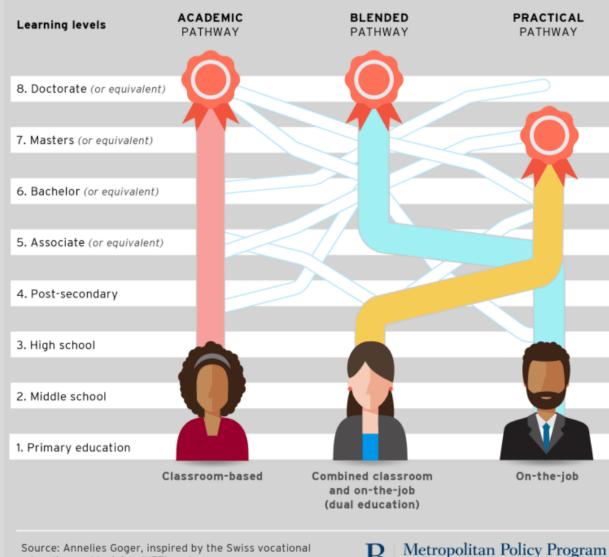
Source: Annelies Goger, inspired by the Swiss vocational education and training (VET) system.

Key elements (ctd.)

- Research and evaluation ٠
- Permeability no dead ends ٠
- Quality assurance and trust ٠
- Awareness and shared vision
- Funding, policy, & infrastructure ٠

MULTIPLE PATHWAYS to OPPORTUNITY

The changing nature of work will require a sophisticated vision for making our talent development ecosystem more equitable and functional for employers and workers



at BROOKINGS

Source: Annelies Goger, inspired by the Swiss vocational education and training (VET) system.

Barriers to scaling earn-and-learn pathways

- Outdated, bespoke setup & processes
- Narrow focus on the trades
- Limited funding
- Lack of employer engagement



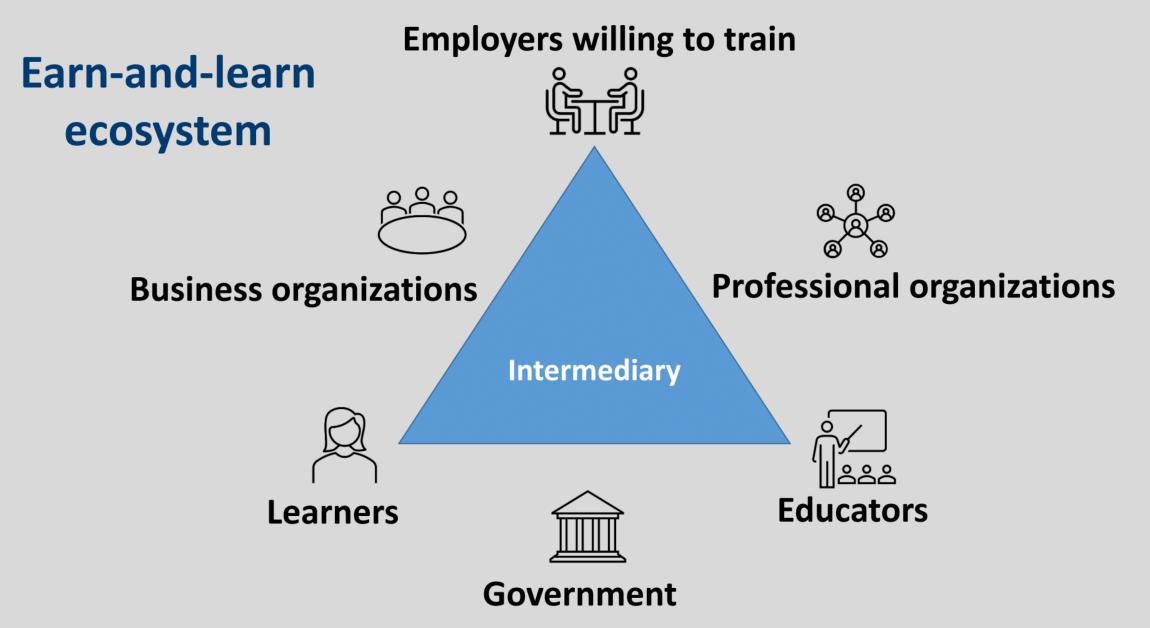


Barriers to scaling earn-and-learn pathways (ctd.)

- Low awareness & stigma
- Learning not recognized in education system
- Limited data & research
- Fragmentation, 10,000 pilots ecosystem







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Work Education and training

Source: Author.

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Sequential vs. applied learning

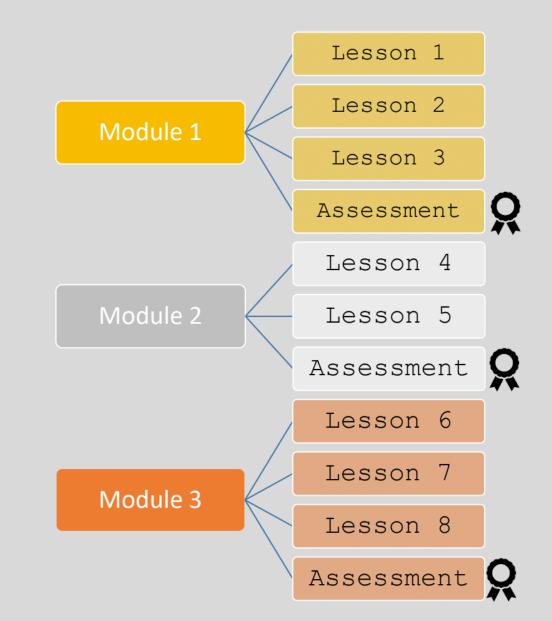
Figure 2. Switching from a one-and-done model of education to blended work and learning

Academic semester course

Course A

- Lesson 1
- Lesson 2
- Lesson 3
- Lesson 4
- Lesson 5
- Assessment
- Lesson 6
- Lesson 7
- Lesson 8
- Assessment

Modularized course



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Project overview

3 states: Alabama, Indiana, Colorado

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2 years: Fall 2021 - Fall 2023
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Goal: Build a community of practice of leading states to guide practitioners, policymakers, and stakeholders towards a shared vision for building systems to scale earn-and-learn opportunities

Activities

- Community of practice
- Convenings
- Policy briefings
- Papers, blog posts, forthcoming report



Degree apprenticeships

- Completion of an apprenticeship culminates in a degree / college credit
- Does not end at one degree progressions and permeability
- Complement to skills-based hiring
- Long-term: an applied degree system?

Addressing Childcare From the State Level to the Community Level

Moderator- Mary Kate Hillis, Governor's Office of Education and Workforce Transformation

Panelists-

Terri Collins, State Representative Meredith Smith, Alabama Office of Apprenticeship Margaret Morton, Sylacauga Alliance for Family Enhancement



Alabama leaders discuss degree apprenticeship in child care.

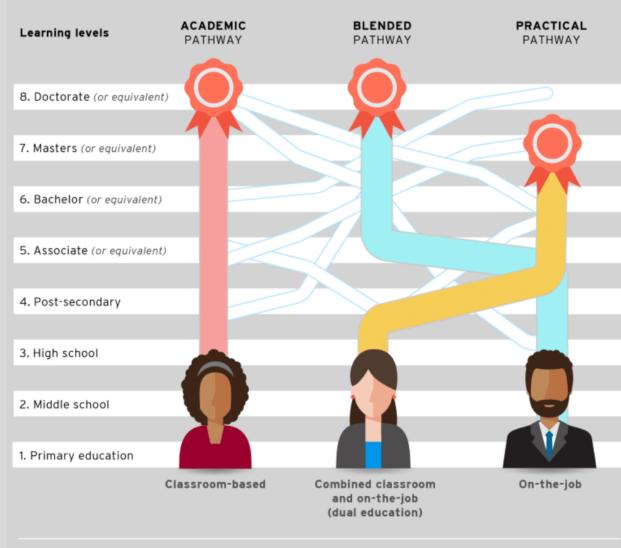
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Key elements

- Applied, experiential pathways
- Demand-driven, engaged employers
- Learner-centered
- Education-employment linkage
- Research and evaluation
- Permeability no dead ends
- Quality assurance and trust
- Awareness and shared vision
- Funding, policy, & infrastructure

MULTIPLE PATHWAYS to OPPORTUNITY

The changing nature of work will require a sophisticated vision for making our talent development ecosystem more equitable and functional for employers and workers



Source: Annelies Goger, inspired by the Swiss vocational education and training (VET) system.

B Metropolitan Policy Program

How could NJ be innovative?

Recognizing learning: Prior Learning, competency-based learning, qualifications framework

State policy: Formula funding for intermediaries, related instruction, career exploration and counseling, outreach

Focus on student journey: K-12, CTE, community college, university

Reduce legal barriers: completers can sit for licensing exam, earn degree without retaking coursework



How could NJ be innovative?

Connect pathways to data systems: skills data; outcomes at each learning level, not for a single short-term program

Prioritize inclusion: reach people younger, career exploration and navigation, learner voice, transportation, peers & mentors

Streamline employer engagement: Connect to sector strategies, reduce duplication in employer engagement, partner with employers to approve applied curricula

Build capacity: develop a shared vision and roadmap with key stakeholders, learn from promising practices, go after federal funding



Further reading

Whose learning counts? State actions to value skills from outside the classroom

Apprenticeships for office jobs can prepare downtowns for the future of work

Desegregating work and learning through earn-and-learn models

Apprenticeships are an overlooked solution for creating more access to quality jobs

An apprenticeship FAQ: what employers need to know about talent development

State-level policies to incentivize workplace learning

Forthcoming:

- Improving employer engagement
- Messaging and outreach



GIVE US YOUR FEED-BACK





BREAK

5 PM

RECEPTION & DINNER

VIP LOUNGE