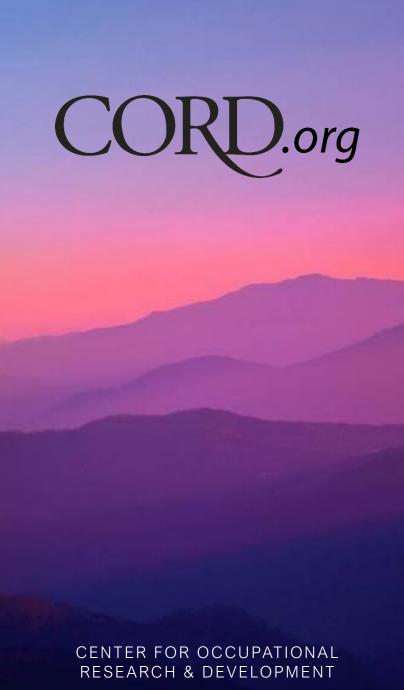
Leading Career Pathways

Bossier City, LA February 1-2, 2024





Introduction Activity

About CORD

A national nonprofit organization founded in 1979

Core tenets:

- 1. Contextual teaching in STEM disciplines
- 2. Seamless transitions from secondary to postsecondary education
- 3. Training solutions to help America's technicians remain globally competitive



Providing innovative changes in education to prepare students for greater success in careers and higher education

CENTER FOR OCCUPATIONAL RESEARCH & DEVELOPMENT

Workshop Agenda and Format



Components

- o Check-up
- Content
- Activities
- Examples, Tools & Resources
- Action Plan
- Table discussion

Local Action Plan

Goal, Objective, Priority: What do we want to achieve?	Action Steps: How will we achieve it?	Lead: Who is responsible?	Intended Results: Measurable outcomes?	Timeline: By when?	Notes:
Partnerships					
Gaps and Opportunities					
Employer Engagement					
Gaps and Opportunities					
Stackable Credentials/Car	eer Pathways Program D	esign			
Gaps and Opportunities					
Supporting Completion					
Gaps and Opportunities					

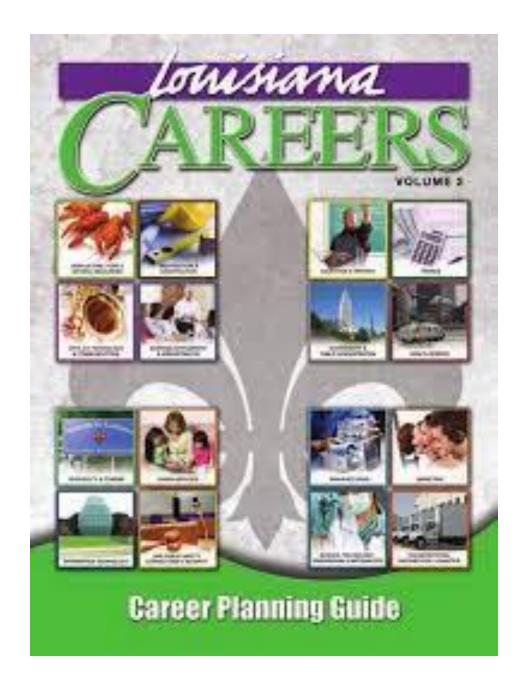


Laying the Groundwork



What do you currently have?

How can you use those resources?



https://www.laworks.net/downloads/LMI/LouisianaCareerPlanningGuide.pdf



Louisiana Career Education Model

Marketing, Sales, Agriculture, Food, and Natural Resources Arts, A/V Technology. & Services & Communication Veterinarian Assistant **Customer Service** Landscape Contractor Graphic Design Sales Associate Equine Care & Training Audio-Video Operations Entrepreneurship Poultry Manager Printing Technology Aquaculturalist Business, Management, Forestry Information Technology & Administration Systems Network Technician Help Desk Technician Office Administration Administrative Assistant Database Maintenance **Game Programming Technician** Data Entry Specialist **Hospitality & Tourism** Tour Assistant **Environmental** Front Desk Attendant Banquet Coordinator and Agriculture Systems Finance Microsoft Office Specialist Tax Preparer Foundation Knowledge and Skills Employability | Ethics Systems Teamwork | Career Development Problem Solving | Critical Thinking Information Technology Applications egal Responsibilities | Communication Safety, Health, & Environment Transportation, Distribution, Technical Skills **Human Services** & Logistics Child Development Associate **Automotive Technician** Cosmetologist Ship Building Health Diesel Engine Technician **Education and Training** Sciences **Architecture & Construction** Teacher's Aide (all levels) Child Development Associate Carpenter | Electrical Technician Welder | Pipefitter | Millwright Law, Public Safety, Instrument Technician & Security Heavy Equipment Operator Computer-Aided Drafter First Responder EMT-Basic Science, Technology. Forensic Science **Health Science Engineering, and Mathematics** Criminal Justice Certified Nursing Assistant Patient Care Technician Government & Certified Electronics Technician EMT-Basic **Public Administration** Pharmacy Technician Manufacturing EMT-Basic First Responder, Physical Therapy Aide Physical Fitness Aide Forensic Science Welder | Pipefitter | Millwright Home Health Aide Electrical | Marine Engineering Criminal Justice

Farmer Laboratory



Dual Enrollment in Louisiana



https://ladualenrollment.com/index.p
 hp/fields-of-study/

Workshop Resource Toolbox





https://www.cord.org/bossiercity-cpl1-feb2024/

It's a lot easier to start things than to stop them. Starting feels like growth and adventure, and things feel alive. Stopping can feel like loss and failure, but it shouldn't be.

David C. Baker punctuation.com

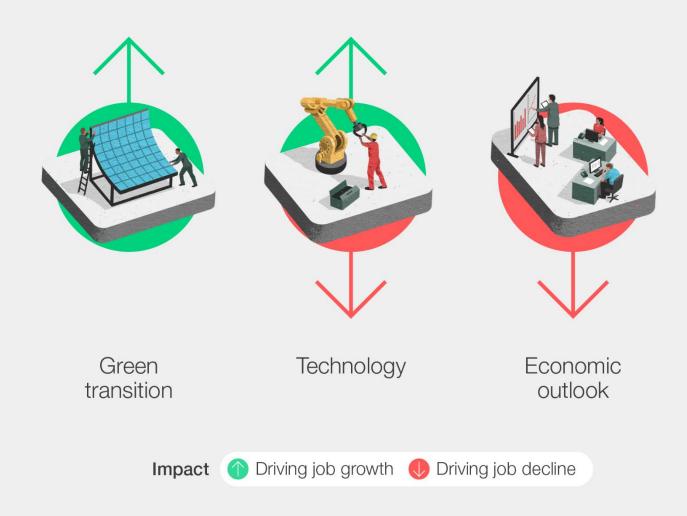
Current State - World of Work

- Nature of work changing at unprecedented speeds
- Technology advancements in machine learning, AI, IoT, and robotics eliminating some jobs, creating others
- Technicians sit at the center of much of this disruption
- Education must keep up
- Our students' career paths will evolve



Three key drivers of job change

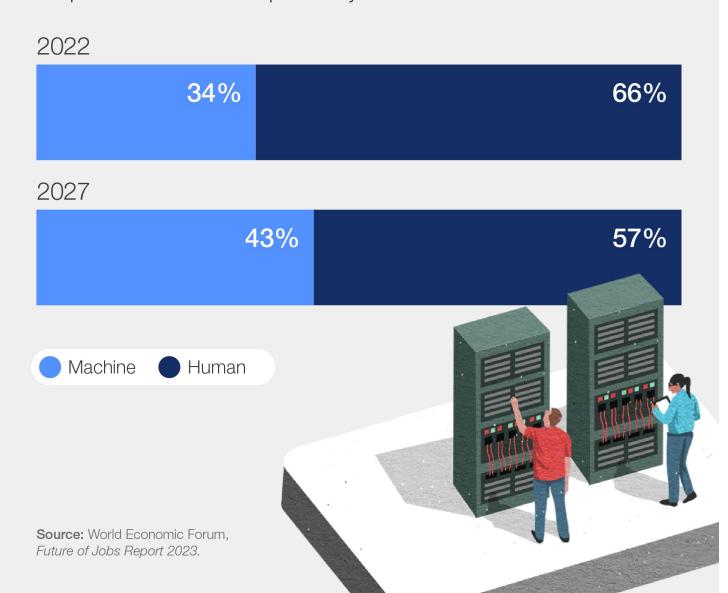




Human-machine frontier



Proportion of tasks completed by humans vs machines



Reskilling needs



4/4/9/0

of workers' core skills are expected to change in the next five years

Source: World Economic Forum, *Future of Jobs Report 2023.*

Top 10 skills of 2023



1. Analytical thinking	6. Technological literacy
2. Creative thinking	7. Dependability and attention to detail
3. Resilience, flexibility and agility	8. Empathy and active listening
4. Motivation and self-awareness	9. Leadership and social influence
5. Curiosity and lifelong learning	10. Quality control

Type of skill

■ Cognitive skills
■ Self-efficacy
■ Management skills
■ Technology skills
■ Working with others

Source

World Economic Forum, Future of Jobs Report 2023.

Note

The skills judged to be of greatest importance to workers at the time of the survey

Fastest growing vs. fastest declining jobs



Top 10 fastest growing jobs

Top 10 fastest declining jobs

1.	Al and Machine Learning Specialists	1.	Bank Tellers and Related Clerks
2.	Sustainability Specialists	2.	Postal Service Clerks
3.	Business Intelligence Analysts	3.	Cashiers and ticket Clerks
4.	Information Security Analysts	4.	Data Entry Clerks
5.	Fintech Engineers	5.	Administrative and Executive Secretaries
6.	Data Analysts and Scientists	6.	Material-Recording and Stock-Keeping Clerks
7.	Robotics Engineers	7.	Accounting, Bookkeeping and Payroll Clerks
8.	Electrotechnology Engineers	8.	Legislators and Officials
9.	Agricultural Equipment Operators	9.	Statistical, Finance and Insurance Clerks
10.	Digital Transformation Specialists	10.	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers

Source

World Economic Forum, Future of Jobs Report 2023.

Note

The jobs which survey respondents expect to grow most quickly from 2023 to 2027 as a fraction of present employment figures

Largest growth vs. largest declining jobs



Top 10 largest growth jobs

Top 10 largest decline jobs

1.	Agricultural Equipment Operators	1.	Data Entry Clerks
2.	Heavy Truck and Bus Drivers	2.	Administrative and Executive Secretaries
3.	Vocational Education Teachers	3.	Accounting, Bookkeeping and Payroll Clerks
4.	Mechanics and Machinery Repairers	4.	Security Guards
5.	Business Development Professionals	5.	Building Caretakers and Housekeepers
6.	Building Frame and Related Trades Workers	6.	Cashiers and Ticket Clerks
7.	University and Higher Education Teachers	7.	Material-Recording and Stock-Keeping Clerks
8.	Big Data Specialists	8.	Assembly and Factory Workers
9.	Sheet and Structural Metal Workers, Moulders and Welders	9.	Postal Service Clerks
10.	Special Education Teachers	10.	Bank Tellers and Related Clerks

Source

World Economic Forum, Future of Jobs Report 2023.

Note

The jobs for which employment figures are expected to increase or decrease most quickly in real terms from 2023 to 2027 when survey responses are normalized to labour-market statistics from the ILO.

54% of U.S. adults 16-74 years old (about 130 million people) lack proficiency in literacy, reading below the equivalent of a 6th grade level.

The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn and relearn.

Alvin Toffler writer, futurist and businessman

Common Vision

 Programs that match the economic development needs of your community

• Graduates that possess the skills to ensure a high-quality workforce

A community of lifelong learners

Self Check #1

Partnerships that Support Career Pathways



What is a Career Pathway?

- An overarching ecosystem
- Must be for all learners in your community

Advancing Credentials

THROUGH Career Pathways



Partnerships to Support Career Pathways

- Employer across sectors; collaborate as a team on everything from curriculum to work-based learning experiences; build your community's talent pipeline
- **Organizational** secondary and postsecondary/regional community; align, accelerate, advance; remove barriers
- **Instructional** academic, CTE, and Adult Education faculty as content development partners: interdisciplinary connections, real-world context, employability skills across curriculum
- Holistic Supports government and community organizations provide an array of supports to aid students in completion.

Ecosystem - Where are You?

- No matter where you are, you have a role to play in career pathways.
- You can lead and work towards implementation by bringing the framework to your community.



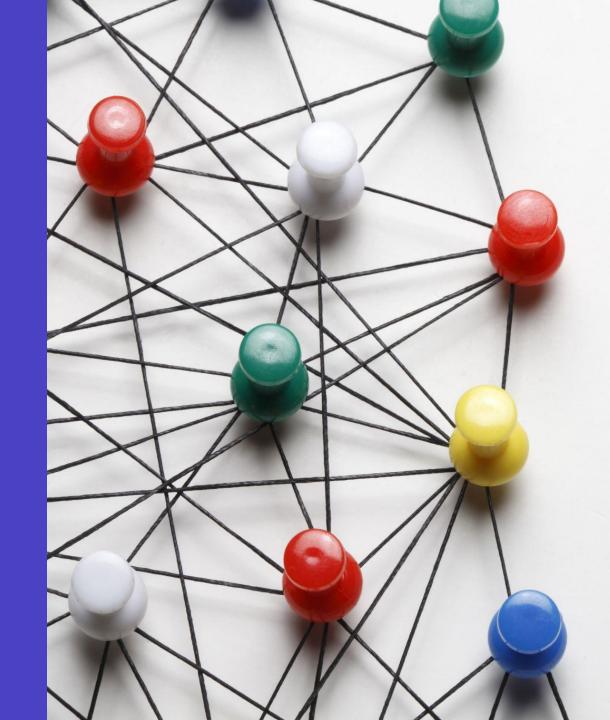
Across the Ecosystem

- We can't know it all.
- We can't do it all.
- We need partners across the community to collaborate in new ways...

to prepare us all for the journey ahead.

POSTER ACTIVITY

Connections & Contacts





Partnerships Will be Key

- Leverage each other's resources and knowledge
- Connect disconnected systems
- Strengthen/build partnerships to support *your* community

If you are not at the table, you are probably on the menu.

Congressman Glenn Thompson R-PA

If they don't give you a seat at the table, bring a folding chair.

Shirley Chisholm

Politician, educator, first Black woman elected to the US Congress



Build Cross-Agency Partnerships and Clarify Roles

Key Element Components:

- Engage inter-agency and cross-agency partners and employers.
- Establish a shared vision, mission, and set of goals.
- Define the roles and responsibilities of all partners.
- Develop a work plan and/or Memorandum of Understanding for the partnership.
- Maintain partnerships through frequent, scheduled interactions

Action Planning



	L	ocal Act	tion Plan								
Goal, Objective, Priority: What do we want to achieve?	Action Steps: How will we achieve it?		ho is responsible?	Intended Results: Measurable outcomes?	Timeline: By when?	Notes:					
Partnerships											
Internal Partnerships											
Gaps	_										
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Opportunities											
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External Partnerships					100	al Action Plan					
Gaps	_				LOC	ai Action Pian					
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		bjective, Pri		Action Steps: How will we achieve	un it2	Lead: Who is responsible?	Intended Results: Measurable	Timeline: By when?	Notes:		
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Opportunities	Empl	over Enga	gement								
	Employer Engagement										
	Gaps										
	Gaps										
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	Gaps	tunities				Local	Action Plan				
	Gaps	tunities	Cast Obion		Auto					Timeline	
	Gaps	tunities		tive, Priority: want to achieve?		Local Steps: Ill we achieve it?	Action Plan Lead: Who is responsible?	Intended Res Measurable outcomes?		Timeline: By when?	Notes:
	Gaps	tunities	What do we	want to achieve?	How w	Steps: ill we achieve it?	Lead:	Measurable			Notes:
	Gaps	tunities	What do we	want to achieve?	How w	Steps:	Lead:	Measurable			Notes:

Supporting Completion

Opportunities

✓ Use Action Plan Template at your table

or

✓ Download Action Plan Template from Workshop Toolbox

Share and Discuss



Paving a Seamless Pathway





Building Career Pathways That Support Innovation

- Strategic employer engagement based on BILT model to drive innovation
- Career pathway mapping to reveal barriers to seamless progression and alignment to industry needs
- Credit for prior learning to accelerate time to credential and support completion
- Action Plan to guide your efforts

Advancing Credentials

THROUGH Career Pathways



Self Check #2

Employer Engagement

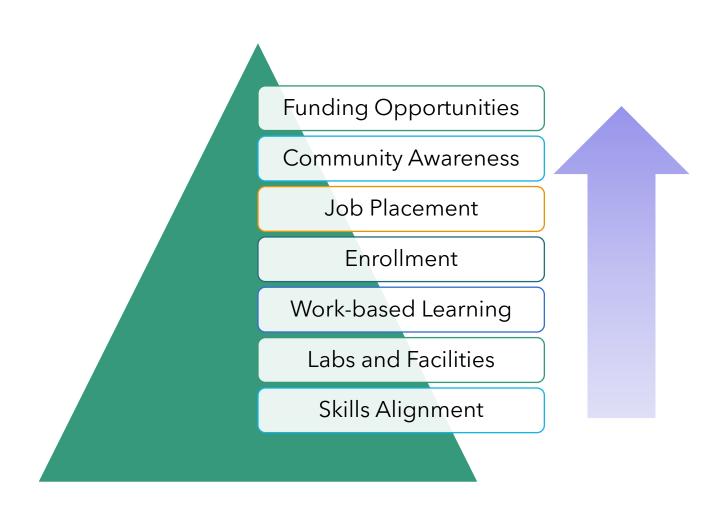


What is Employer Engagement?

- A **strategy** to identify and integrate employer input and feedback into your institution's programs and activities.
- A working **relationship** where employers and institutions view each other as strategic partners.
- A methodology to:
 - keep your programs fresh and relevant
 - place your career-ready graduates into jobs
 - increase your enrollment
 - garner financial and other support
 - join voices for program advocacy



Benefits of Strategic Employer Engagement

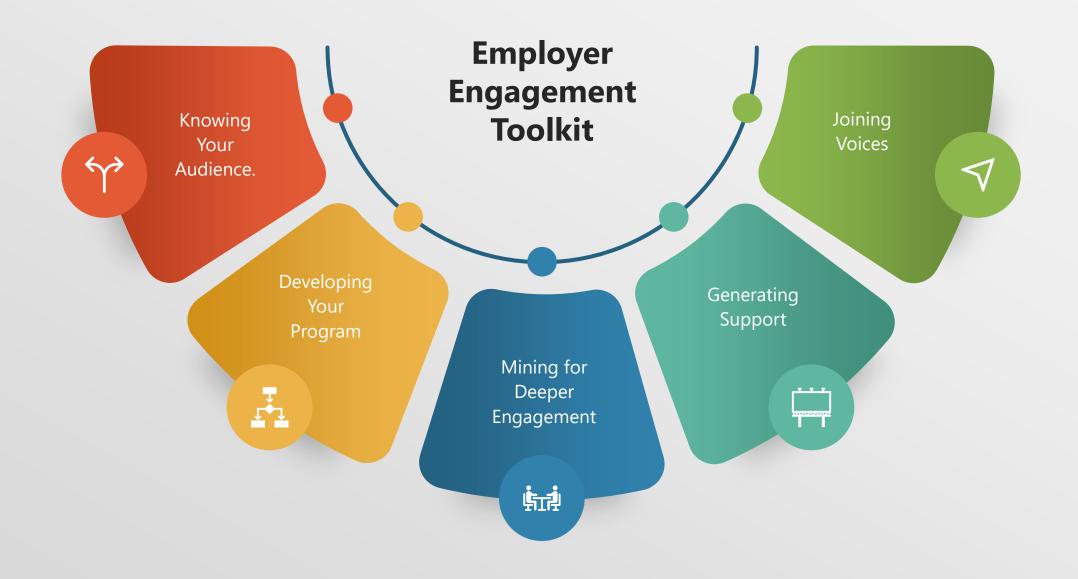


The Need for Strategic Thinking



Ways Businesses Can Help





The Process Starts Internally

Identify Your Goals Identify the Industry Sector **Identify Internal Connections** Create an Outreach Plan Continuing Outreach Find the Fit for Each Employer

Knowing Your Audience

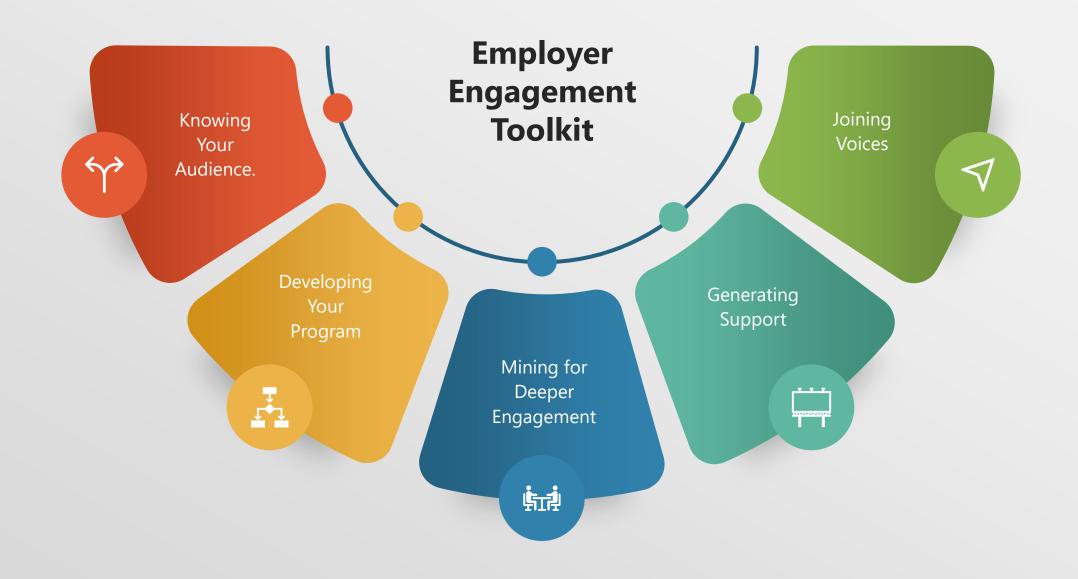
- Who hires the graduates/completers?
- Who provides intel on evolving needs of businesses in the region?
- Who assists in building industry-informed programs?
- Do you know who provides outreach to employers?
- Do you know how information from employer outreach is gathered and shared?



POSTER ACTIVITY

Employer Engagement Goals





Developing Your Program

- Skills Alignment to Market Demand
- Source for Future Industry Trends
- Composition of Advisory Council
- Benefits for All Stakeholders



BUSINESS & **INDUSTRY** LEADERSHIP TEAM M TO TO DO BILT INN VATION



Recruit BILT Members

BILT Annual Cycle

Once established, add 1-2 new members annually.

Expand Engagement

BILT members host internships, mock interviews, apprenticeships; serve as guest speakers/lecturers

Orientation

Welcome new members and set expectations. Explain BILT model and benefits.

Trends

Quarterly meetings focus on industry trends



BILT Annual Cycle



KSA Analysis Meeting

Prepare pro-forma KSAs and conduct KSA analysis for a single discipline.

Feedback Meeting

Faculty share results of cross-reference process





Cross-Reference KSAs

Program faculty cross reference prioritized KSAs to existing curriculum.



BILT in Action





Danielle Rose

Coordinator, Apprenticeships drose@forsythtech.edu

John Carstens

Dean, Engineering Technologies jcarstens@forsythtech.edu

David Dinkins

Department Chair, Advanced Manufacturing ddinkins@forsythtech.edu

Communicate the Why

- Approach potential partners with your value proposition
- Lead with the outcome and benefits for the community and the partner, not for you
- Golden Circle principle



Sample Elevator Pitch

The (name of program) helps to prepare graduates to be work-ready employees who are armed with relevant workplace skills. Our goal is to ensure our students are aware of companies like yours and the opportunities that can be provided for fulfilling careers.

With your engagement we can align our curriculum to the specific skills identified by local industry and provide real world opportunities to our learners. We value your willingness to be guest speakers, provide work-based learning options, coordinate tours of your company, provide scholarships, etc., and are asking for your help/support with XXXX (specific ask).

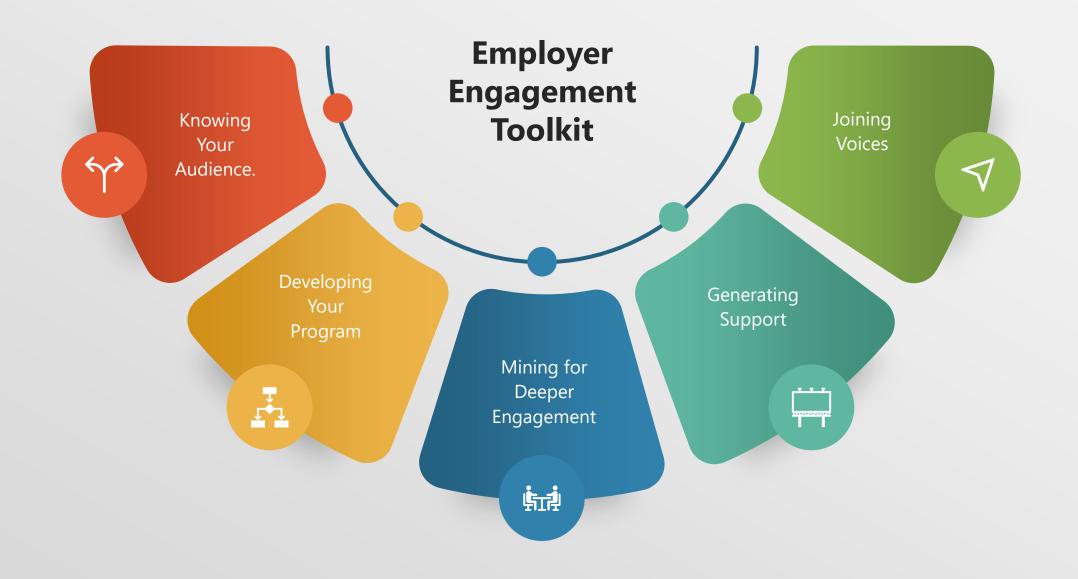
ACTIVITY

Writing Your Elevator Pitch Worksheet



Share and Discuss





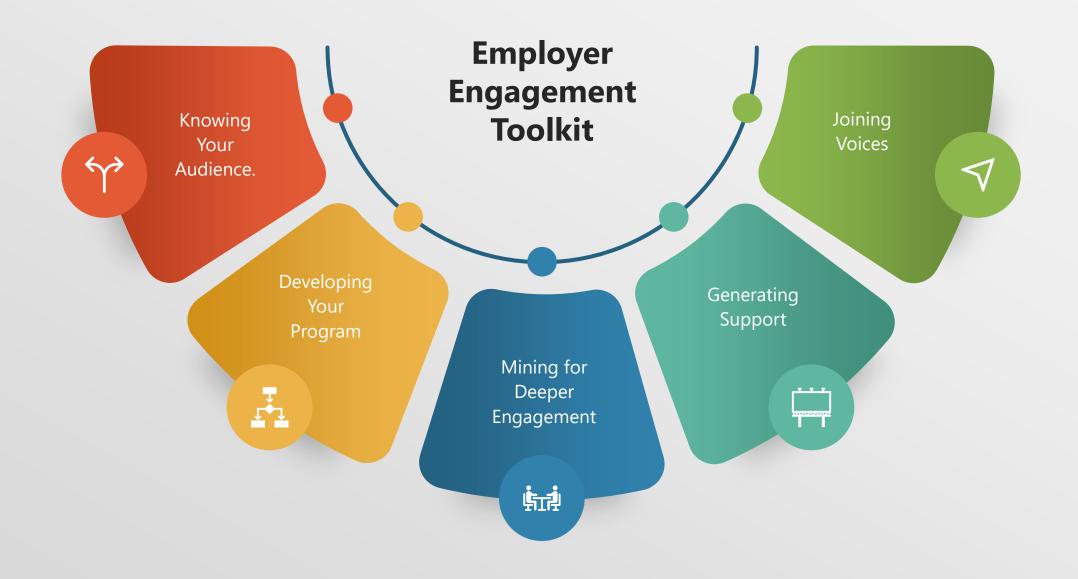
Deepening Engagement

- Tiered approach to employer engagement
- Strategies to increase breadth of engagement
- Testimonials
- Recognition



Employer Engagement Worksheet

EMPLOYER	EMPLOYER CONTACT	Advisory Committee	Career Fair Participant	Tours for Students	Hires Grads	Work- based Learning	Donates supplies / equip	Scholarship Donor	Non-Credit Incumbent Worker Training	Internships	Apprenti ce- ships	Other
Acme Tool & Die	John Smith		X		Χ			Χ				
Foremost Machining	William Jones	X			X						Χ	



Generating Support

Engaged employers may:

- identify areas where new or updated equipment is called for
- connect you to their suppliers for discounts
- consider donating equipment to help in preparing your students, their future employees
- be open to sponsorship of competitions, clubs, and camps
- cover the cost of industry-recognized credentials/assessments to alleviate the financial burden on students
- provide faculty externship opportunities



Maximizing Perkins V's Comprehensive Local Needs Assessment & Local Application to Drive CTE Program Quality and Equity

(acteonline.org)
Local Tool Needs Assessment FINAL 3.18.2019.pdf



Foundations of a Rigorous Needs Assessment Process 1. Determine local goals 2. Identify stakeholders and a leadership team 3. Make a plan for seeking feedback 4. Gather and develop materials

Comprehensive Local Needs Assessment (CLNA)



Maximizing Perkins V's Comprehensive Local Needs <u>Assessment & Local Application to Drive Quality and Equity in</u>

Size

- •The quantifiable evidence, physical parameters and limitations of each approved program (e.g., number of required programs or programs of study offered, required class size, availability of facilities and equipment, etc.) that relate to the ability of the program to address all student learning outcomes.
- Review this definition to make certain it aligns with the state's goals around quality, equity, access.

Scope

- •The curricular expectations of each program and/or program of study (e.g., such as the ability of a curriculum to cover the full breadth of its subject, number of required courses in a sequence, early postsecondary opportunities for learners, role of advisory committees, etc.)
- Review to make certain your state requires the scope of CTE offerings necessary to meet learners' needs and reinforces high-quality expectations.

Quality

- •The expected outcomes and impact of each program and/or program of study (e.g., ability of students to earn industry-recognized credentails, academic achievement, learner access to high-skill, high-wage and indemand programs, etc.)
- •This is potentially the most critical of the three definitions. A strong definition of quality will drive funds to programs that prepare students for current and future workforce needs and may help to transitions programs that are not meeting future needs.

ADVANCE CTE Approach

Another Example

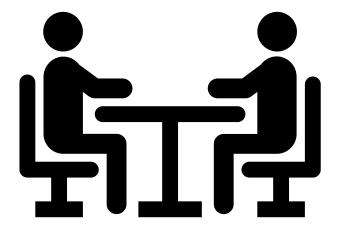
Its all about your state

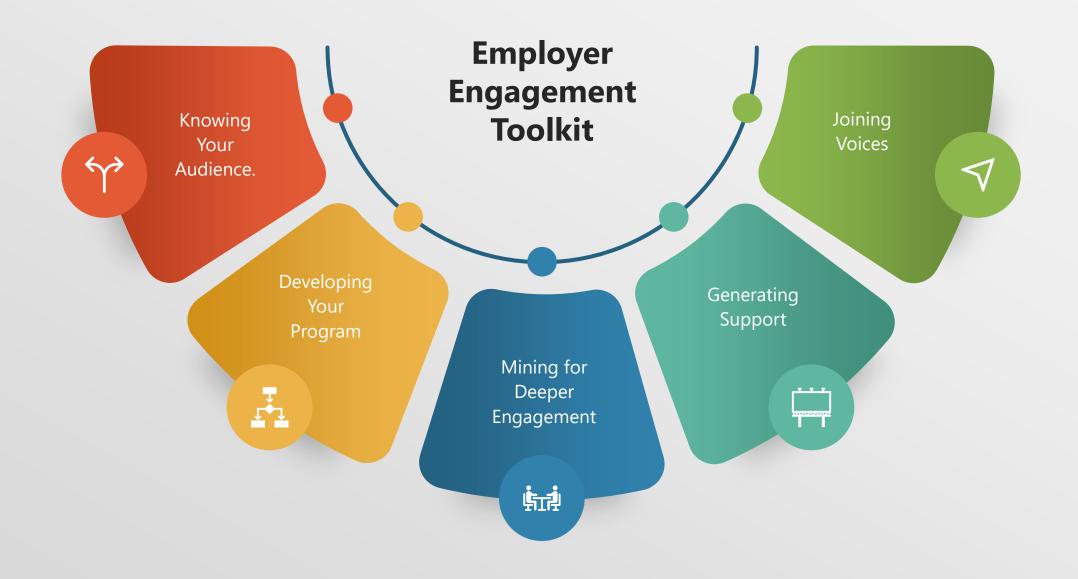
• Check in with your Perkins Lead, find out the approach your state is using.



Ways to Generate Support

- 1. Ask about employer 'pain points and brainstorm how those can be addressed.
- 2. Recognize employers who interact with your organization
- 3. Be ready to tell the story of increased company visibility gained through supporting programs with equipment, materials, scholarships, and sponsorship.





Joining Voices

Collaborating on Shared Issues

- Skills
- Training
- Technology
- Apprenticeship

Moving from Partner to Advocate

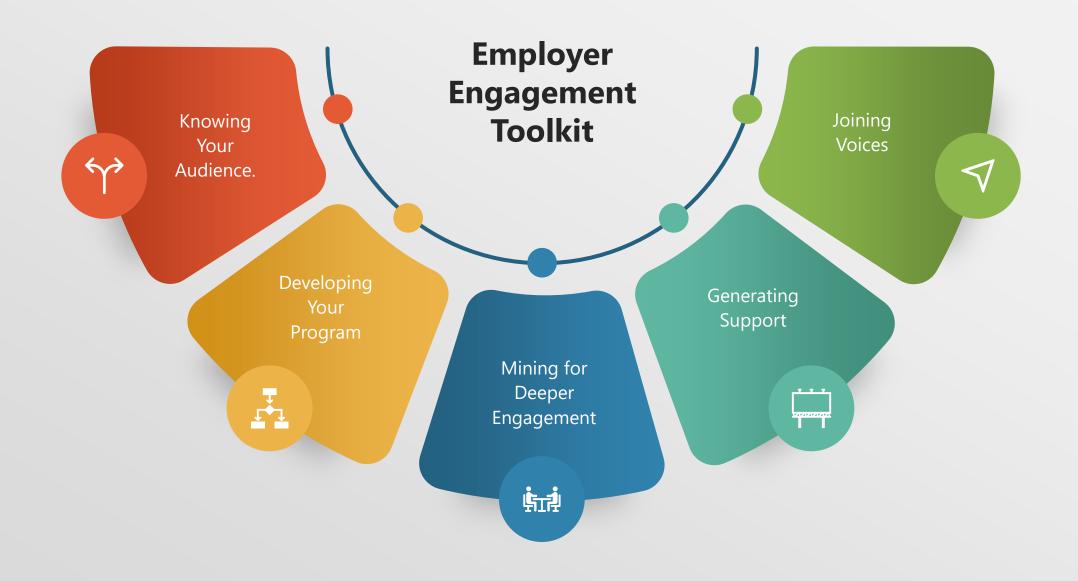
- Legislative events
- Economic Forums
- Local, State and National



Ways to Join Voices

- 1. Identify employers in your area who hold leadership positions in their industries.
- 2. Use the information gathered to initiate conversations at the CEO and community leader level.
- 3. Brainstorm the initiatives your employers are passionate about and determine whether there are intersections where you can assist them, and they can assist you.





Comprehensive Resource:



Home

Using This Toolkit

Knowing Your Audience

Developing Your Program

Mining for Deeper Engagement

Generating Support

Joining Voices

Contact Us

Introduction

In a time when information is critical to success and budgets are tied to outcomes, the need for strategic employer engagement with colleges has never been greater. No longer can programs thrive with limited input from local employers. All community and technical colleges must stay informed of—and respond to—industry-specific trends that impact skill sets, national standards, and credentials.

Action Planning



		Local A	ction Plan								
Goal, Objective, Priority: What do we want to achieve?	Action Steps: How will we act		Lead: Who is responsible?	Intended Results: Measurable outcomes?	Timeline: By when?	Notes:					
Partnerships											
Internal Partnerships											
Gaps	T				_						
Opportunities											
	 										
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External Partnerships Gaps					Loc	al Action Pl	an				
Caps					200	<i>ai i</i> i colo ii i i	0111				
		Goal, Objective, What do we want		Action Steps: How will we achie	ve it?	Lead: Who is respo	nsible? M	tended Results: easurable atcomes?	Timeline: By when?	Notes:	
Opportunities							00	itcomes:			
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				Goal, Objective, Priority: What do we want to achieve?		Steps: ill we achieve it?		ead: Who is responsible?	Intended Res Measurable outcomes?	ults: Timeline: By when?	Notes:
			Stackable Credentials/Career Pathways Program Design						1		
			Stackabl	e Credentials/Car	reer Pathw	avs Program De	esign				
			Stackable Gaps	e Credentials/Car	reer Pathw	ays Program De	esign				

Supporting Completion

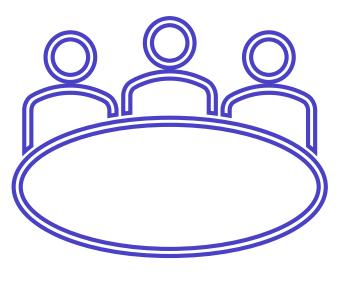
Opportunities

✓ Use Action Plan Template at your table

or

✓ Download Action Plan Template from Workshop Toolbox

Share and Discuss





Advancing Credentials

THROUGH Career Pathways



Self Check #3

Designing Career Pathways



Building Bridges Instead of Walls



Align	Prepare	Support	Educate/Train	Organize	Enable	Help
Align with the skills needed by industries in the state or regional economy;	Prepare individuals to succeed in a range of education options, including apprenticeships;	Include counseling to support an individual in achieving the individual's education and career goals;	Include, as appropriate, concurrent education and training opportunities for a specific occupation or occupational cluster;	Organize education, training, and support services to meet individual needs and accelerate educational and career advancement;	Enable individuals to attain a high school diploma or equivalent, and at least one recognized postsecondary credential;	Help individuals enter or advance within an occupation or occupational cluster.

Career Pathway Definition (WIOA/Perkins)

Pathways to Career Readiness and Advancement

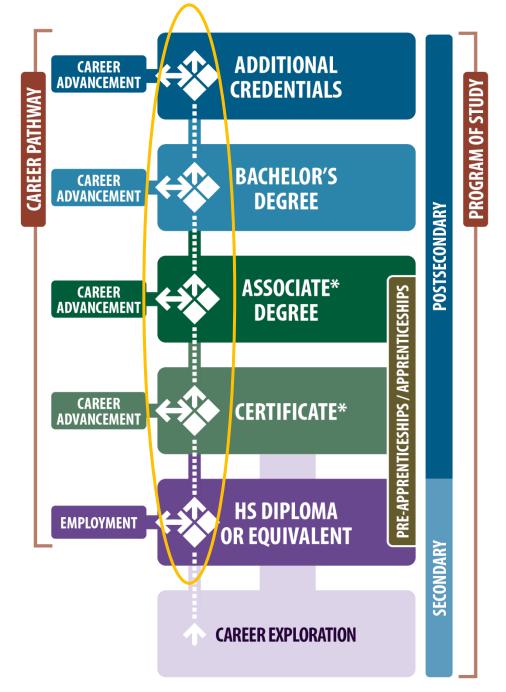
Programs of Study and Career Pathways share many of the same attributes. The two terms are used interchangeably in many state and local applications. Both are defined in Federal Law.

STACKABLE CREDENTIALS

At these milestones the learner may advance to the next-higher-skill job in the sector for which they have trained, and/or continue in or reenter the learning pathway to pursue additional credentials.

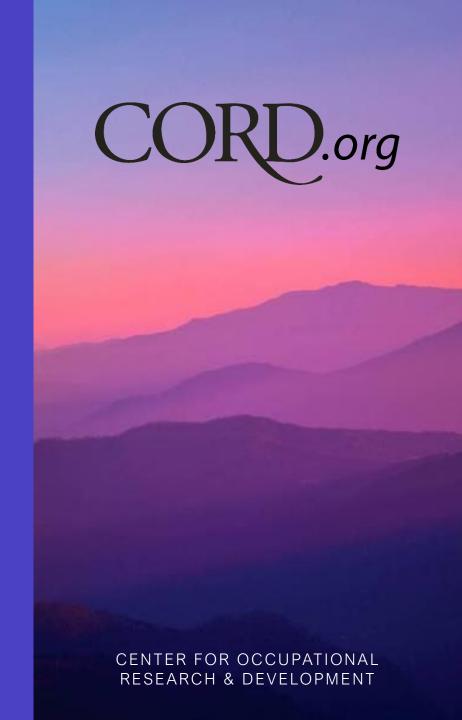
*These stackable credentials may:

- Include preparation for industry certifications.
- Articulate to bachelor's degree programs.
- Be obtainable by HS students through dual credit.

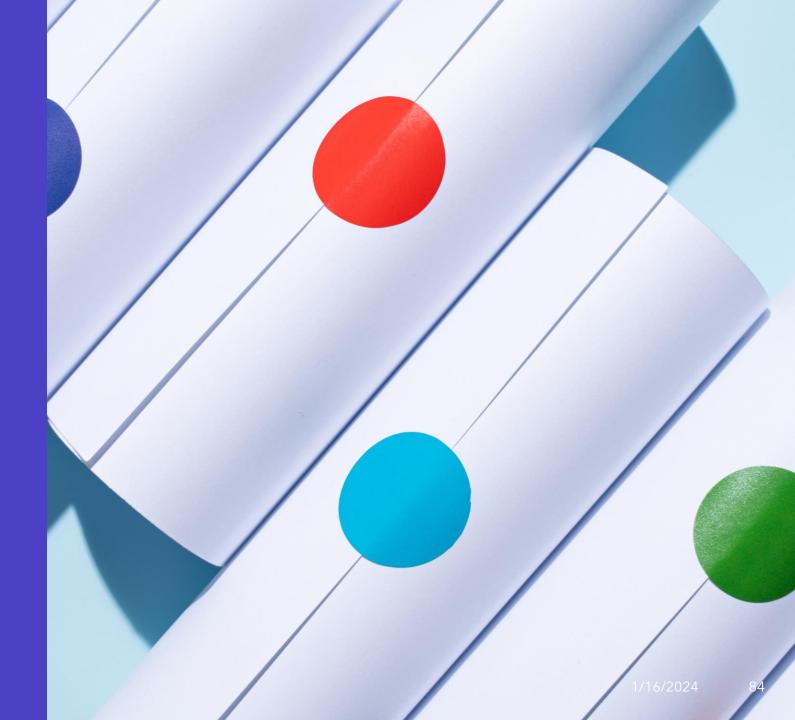


Leading Career Pathways

Day 2



Stackable Credentials



Stackable Credentials Initiative





Three Essential Components:

- Engaging employers in strategic and sustainable ways
- 2. Building career pathways based on industry-validated stackable credentials
- Supporting completion through non-credit/credit alignment

Pathways to Credentials

US ED OCTAE Initiative: Build capacity of colleges to improve CTE credential attainment rates by offering **stackable credentials**, a series of incremental milestones, on the path to degree completion. Stackable credentials are...

- Developed through active employer engagement
- Responsive to workforce needs of region
- Link educational certificates to industry certifications
- Support diverse groups of learners
- Provide multiple entry and exit points
- Support earn-and-learn models through flexible scheduling
- Provide credentials with labor market value on the path to a degree

Career Pathways Embedded with Stackable Credentials



Provide flexibility for **students**



Meet the evolving skill needs of **employers**



Improve the ability of educational institutions and communities to increase credential attainment



Give **educational institutions** tools for continuous upskilling

Why Pathway Maps?



- To help learners of all ages understand the opportunities available to them to learn, earn, and realize success in the career path of their choice
- To identify entry points and exit points aligned to credential attainment and advancing levels of employment
- To convey that a seamless pathway of stackable credits and credentials is not only possible, but critical to success in today's labor market

Mapping Career Opportunities & Economic Mobility



- You're creating a visual story depicting the pathway
- What career opportunities does it comprise?
- What postsecondary credentials can you earn?
- What industry certifications will the pathway prepare you for?

Who Benefits from Pathway Maps?

Students

- Provides information students need for guided learning pathways - on and off ramps
- Identifies program outcomes relative to potential employment opportunities and wages, as well as program duration and stackable credentials
- Depicts career growth alongside education path

Employers

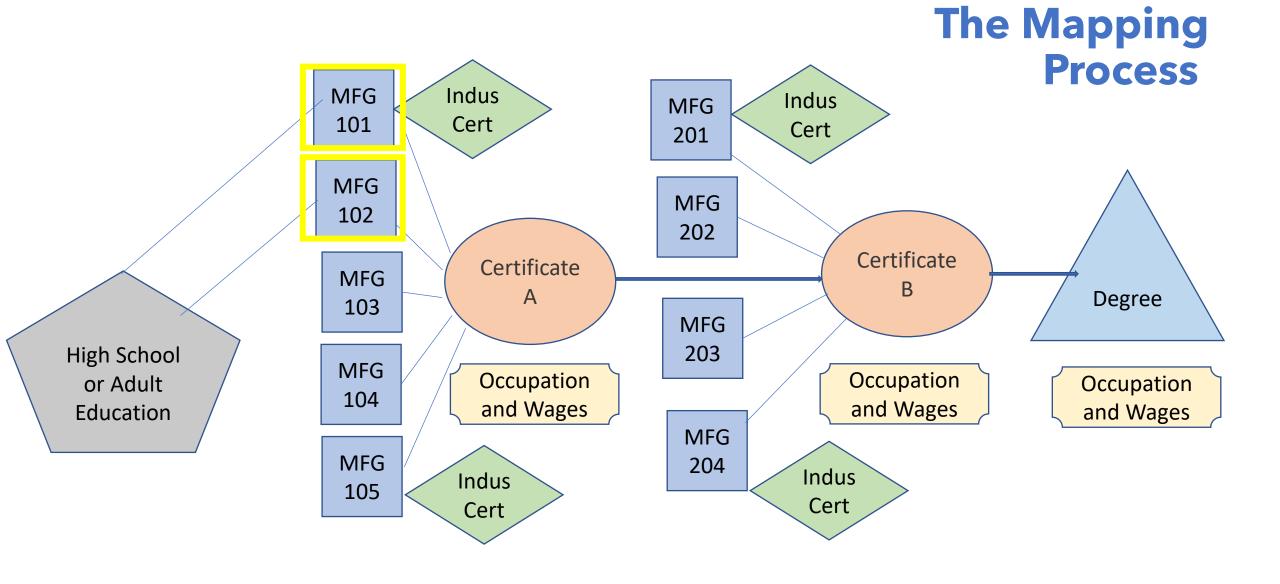
- Identifies multiple entry points for existing employees to upskill
- Validation of skills by industry means graduates are prepared to meet employer needs

Faculty

- Program and career information in one place at-a-glance
- Employer-validated pathways relative to occupations and wages
- Clear depiction of completion options (certificates, diplomas and degrees) within a pathway

Employer Engagement

- ➤ Work with employer partners to:
 - Define job requirements
 - Map the structure of jobs to certificates and degrees
 - Identify related industry certifications
 - Identify career advancement levels within the pathway
 (i.e. Certificate A = Job Title X, Certificate B = Job Title Y,
 - Degree = Job Title Z)
- ➤ Gather wage data for each job title
- ➤ Repeat process annually



Cybersecurity Pathway

Earn Credit for What You Already Know:

Through prior learning assessment (PLA), demonstrate mastery of core skills for college credit, or with industry certifications.

Basic Networking & Security Certificate

20 credits/aligns with Security+, Network+ certifications

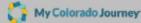
Core sidils: networking, information assurance, network security, cloud computing

See Program Details

Career Opportunities

Entry wages: \$18 perhour With experience: \$27 per hour Potential positions: Computer User Support Specialist Computer Network Support Specialist

Learn more at:



IT Tech & Support Certificate

22 credits/aligns with A+ certification

Core Sidlis: operating systems, project management, help desk skills, A+ technician skills

See Program Details

Career Opportunities

Entry wages: \$18 per hour With experience: \$27 per hour Potential positions: Computer User Support Specialist Help Desk Technician

Learn more at:



Cybersecurity A.A.S.

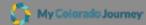
60 credits/aligns with Security+, Network+, Cloud+, Linux+ certifications Core Skills: networking, information assurance, network security, cloud computing

See Program Details

Career Opportunities

Entry wages: \$25 perhour With experience: \$35 per hour Potential positions: Computer Network/Systems Tech Support Engineer

Learn more at:



Computer Science/ Engineering with Cybersecurity concentration B.S.

128 credits

Core Skills: computer architecture, programming and system analysis, cryptography, security system design, risk and policy analysis, investigation techniques, troubleshooting

Career Opportunities

Entry wages: \$30 per hour With experience: \$50+ per hour Potential positions: Computer Network/Systems Architect Cybersecurity Engineer Business/Systems Analyst

Learn more at:



My Colorado Journey



What to Include

Academic Credentials
Within the Pathway
(certificate, diploma,
associate degree)
and # of Credits

Program Duration of Each Credential

Related Industry
Certifications

Employment
Opportunities at
Exit Points
Job Titles /
Wage Range

Credit for Prior Learning (all types)

Articulated 4-year Programs

Who Should Participate?

Employers

Advising and Counseling Staff

Registrar

Staff responsible for High School and University Articulation

Adult Educators

Program Faculty

Recruitment Office Workforce Development Staff

Marketing Department Staff



Inspiration from Sample Pathway Maps

1

Review pathway map examples from other programs/ institutions. 2

Determine best flow of info for your map's target audience(s) and identify visuals/ colors that enhance understanding of pathway components/ personal options. 3

Work with marketing /communication staff to design map graphics that can be used across disciplines.

4

Ask students, parents and employers to review for clarity.



Career Pathways

Health Service Management Associate in Science

Prior Credit

High School Career Pathways Certificate

> Administrative Office Specialist

> > Allied Health Assisting

Applied Cybersecurity

Applied Information Technology

Business Management & Analysis

Digital Design

International Business

Legal Administrative Specialist

Nursing Assistant

Web Development

Industry Certifications

Certified Medical Administrative Assistant (CMAA)

Certified Nursing Assistant (CNA)

Prior Credit

Technical College Certificate

Accounting Operations

Administrative Office Specialist

Medical Assisting

Practical Nursing

Industry Certifications

Certified Medical Administrative Assistant (CMAA)

Registered Medical Assistant (RMA)

College Credit Certificate

Medical Information Coder/Biller (37 credit hours)

Industry Certifications

CCA; CCS; CCS-P; CPC

Career

Average Cost of Program

\$4,100.00

Typical Starting Positions

Medical
Records/Health
Information Technicians,
Insurance/Billing
Specialist,
Coding Specialist,
Coder/Biller,
Insurance Specialist

Average Starting Salary

\$15.67 hourly

College Credit Certificate

Medical Office Management (34 credit hours)

Career

Average Cost of Program

\$3,750.00

Typical Starting Positions

Medical Secretary, Medical Receptionist, Insurance Clerk, Billing Clerk

> Average Starting Salary

\$15.67 hourly

Associate Degree

Health Services Management (60 credit hours)

Industry Certifications

CAHIMS: CMM

Career

Average Cost of Program

\$6,600.00

Typical Starting Positions

Medical Office Manager, Health Services Department Supervisor, Billing Supervisor, Revenue Cycle Analyst

> Average Starting Salary

\$18.00 hourly

Bachelor Degree

Strategic Leadership (120 credit hours)

Career

Average Cost of Program

\$7,200.00

Typical Starting Positions

Medical Practice
Manager,
Health Services
Department Manager,
Revenue Cycle
Supervisor/Manager,
Human Resouce
Specialist,
Entrepreneur

Average Starting Salary

\$25.66 hourly



Career Pathways

Health Service Management Associate in Science

Prior Credit Technical College Certificate

> Accounting Operations

Administrative Office Specialist

Medical Assisting

Practical Nursing

Industry Certifications

Certified Medical Administrative Assistant (CMAA)

Registered Medical Assistant (RMA) College Credit Certificate

Medical Information Coder/Biller (37 credit hours)

Industry Certifications

CCA; CCS; CCS-P; CPC

Career

Average Cost of Program

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\$15.67 hourly

College Credit Certificate

> Medical Office Management (34 credit hours)

> > Career

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Health Services
Department Manager,
Revenue Cycle
Supervisor/Manager,
Human Resouce
Specialist,
Entrepreneur

Average Starting Salary

\$25.66 hourly



Career Pathways

Health Service Management Associate in Science

Prior Credit

Experience/ Certificate

Prior Experience

Transfer College Credit

Competency Based Credit

Military Experiences

Industry Certifications

AHIMA - any AAPC - any CMM CMOM CAHIMS CMA/RMA

College Credit Certificate

Medical Information Coder/Biller (37 credit hours)

Industry Certifications

CCA; CCS; CCS-P; CPC

Career

Average Cost of Program

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Insurance/Billing
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Coding Specialist,
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Average Cost of Program

\$6,600.00

Typical Starting Positions

Medical Office Manager, Health Services Department Supervisor, Billing Supervisor, Revenue Cycle Analyst

> Average Starting Salary

\$18.00 hourly

33cr Coder/Biller 34cr Office Mgmt

Bachelor Degree

Strategic Leadership (120 credit hours)

Career

Average Cost of Program

\$7,200.00

Typical Starting Positions

Medical Practice
Manager,
Health Services
Department Manager,
Revenue Cycle
Supervisor/Manager,
Human Resouce
Specialist,
Entrepreneur

Average Starting Salary

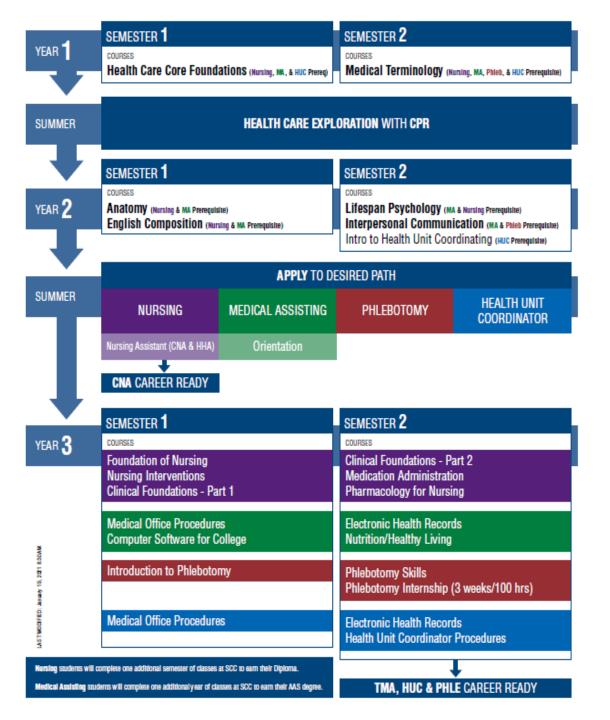
\$25.66 hourly

Academic Awards

- Phlebotomy Certificate
- Health Unit Coordinator (HUC)
 Certificate
- Practical Nursing (LPN) Diploma
- Medical Assisting (MA) AAS Degree

Industry Credentials

- CPR
- Nursing Assistant (CNA or HHA)
- Trained Medication Aid (TMA)











Program Benefits



Time & Cost Savings

Students may earn up to 36 college credits while in high school, which saves time & tuition. Can earn a degree in 1-2 semesters post-high school

Early Entry into Workforce

Students who complete Health Unit Coordinator, Phlebotomy, or CNA (with or without TMA) may enter the workforce

Year 1 Data

- 56 total students enrolled in Year 1 courses
- 22% are Students of Color
- 89% earned an "A" or "B" in the Year 1 Semester 1 course



IT - Computer Support Specialist

Previous Credit

There are many opportunities, both in high school and through previous college, work, and/or military experience, to earn credit at Gateway.

For more information about earning credit in high school and opportunities for credit for prior learning, please see reverse side.

Technical Diploma

IT-Computer Support Technician (32 Credits)

Potential Jobs:

- Personal Computer Technician
- Help Desk Tier 1

Median Income*: \$18.63 per hour \$38,750 annually *Based on locally reported wage data.

Students who complete this program are prepared to earn industry-recognized certifications, including:
- CompTIA A+

Associate Degree

IT-Computer Support Specialist (62 Credits)

Potential Jobs:

- Hardware Analyst
- Computer Support Specialist
- Help Desk Tier 2
- Computer User Support Analyst

Median Income*: \$22.00 per hour \$45,760 annually

*Based on locally reported wage data.

Students who complete this program are prepared to earn industry-recognized certifications, including:

- ITIL IT Infrastructure Library
- ITSM IT Service Management

Career

Students are prepared to enter their career field at any point along the pathway and advance as they complete higher-level credentials.

Bachelor's Degree

Transfer up to 62 credits via existing articulation agreements with colleges such as:

- -Cardinal Stritch University
- -Carthage College
- -Herzing University
- -Lakeland University
- -Ottawa University
- -UW-Parkside
- (A to B agreement)
- -UW-Stout





IT - Computer Support Specialist

GATEWAY TECHNICAL COLLEGE

Have questions or need assistance with getting started?

Gateway's New Student Specialists are ready to help. Call 1-800-247-7122 or stop into any Student Services Center to make an appointment or register for an upcoming new student event.

Elkhorn Campus

400 County Road H Elkhorn, WI 53121

Kenosha Campus

3520 30th Ave. Kenosha, WI 53144

Racine Campus

1001 S. Main St. Racine, WI 53403

Credit for Prior Learning

Experience Pays! You've been there . . . You've done that . . . Let us give you credit for it!

Gateway Technical College recognizes you have knowledge and skills gained through previous educational, life and work experiences. We want to help you receive credit for those experiences saving you time, money and helping you enter your new career more quickly.

There are various ways to earn credit including Degree Course Substitution, Prior Learning Assessment and Transfer Credit, Credit for Prior Learning opportunities for this program include:

107-011 IT in Business

107-193 IT Essentials

154-119 System Software Support

154-113 IT Apps Server & Support

Earn College Credit in **High School**

Get started at Gateway today! Visit gtc.edu to request information

Get an edge by earning college credit before you graduate and save money at the same time.

There are many ways to earn college credit while you're still in high school, including transcripted and advanced standing credit, Start College Now and youth apprenticeship. Suggested courses to take in high school for this program include:

107-011 IT in Business

107-193 IT Essentials

150-145 IT Scripting



OCC CAREER PATHWAY ENVIRONMENTAL SUSTAINABILITY & INDUSTRIAL HYGIENE

These OCC programs are designed to prepare students for careers in the field of environmental science, which is concerned with sustainability of environmental resources, monitoring humanity's impact on the Earth, and solving environmental problems. Students graduating from these programs might work in environmental education centers, public relations firms, testing labs, environmental research organizations, acotourism, food/beverage manufacturing, waste management companies, government agencies and consulting.

PROGRAM PRE-REQUISITES:

Students who have completed HS Chemistry and Algebra II and who do not need any remedial mathematics will be eligible to take CHEM 181 with no restrictions.

PRIOR LEARNING CREDIT:

There are opportunities both in high school and through previous college, work, military experience and achievement of industry certificates to earn credit at OCC

- Workers with OSHA cards receive credit for some lab components
- Students can also complete a college exam and performance component
- Standardized test such as CLEP, DSST, TECEP, AP

For additional detail contact Eileen Schilling at eschilling@ocean.edu.

Certificate

Industrial Hygiene/Hazardous Materials Management Certificate (22 Credits)

5 academic courses & short-term courses

Potential Jobs:

~ Occupational Health and Safety Technician, Environmental Field Technician, and Industrial Hygiene Technician

Students who complete this program are prepared to earn industry-recognized certifications, including NIOSH 582, OSHA 30 Construction or General Industry, OSHA Hazwhoper 40, Lead Inspector, Risk Assessor, and Asbestos Inspector.

Students will also obtain membership as a IHHM Student CHHM member.

Sustainability Certificate

(17 Credits)
5 academic courses

Potentail Jobs:

 Environmental Technician and Sustainability Auditor

Students who complete this program are prepared to earn industry-recognized certifications, including LEED Accredited Professional (AP) and GRI Professional Certification. These certifications require additional outside training and an exam.

Students will also obtain membership as a IHHM Student CHHM member.

Associate Degree

AAS Technical Studies: Industrial Hygiene/ Haz-Mat Option (60 credits)

AS Environmental Studies Industrial Hygiene/ Haz-Mat Option (60 credits)

AAS Environmental Studies: Sustainability Option (60 credits)

Careers

Students are prepared to enter their career field at any point along the pathway and advance as they complete higher level credentials (industry, certificate and degree programs).

Industrial Hygienist in New Jersey pay ranges from \$70.522 to \$131.420

See https://www.salary.com/tools/salarycalculator/industrial-hygienist/nj? edu=edlev3&drpt=DR01&rptto=RL03&yrs=0

https://www.bls.gov/ooh/healthcare/occupational-health-andsafety-specialists-and-technicians.htm

https://www.salary.com/research/salary/benchmark/industrialhygienist-salary/nj

Bachelor's Degree

Transfer up to xx credits via existing articulation agreements with other four-year colleges and universities. Visit https://www.ocean.edu/student-services/start-here-finish-there-transfer-agreements/ for further information on these agreements.

Students pursuing the Environmental Studies degree can transfer into majors such as Environmental Studies or Environmental Science. Many colleges offer opportunities for transfer both in and out of state. Students are encouraged to work closely with OCC faculty and Advising Transfer Services. Students planning to transfer to a four-year institution in NJ can explore the "Transfer Programs" feature on NJ Transfer www.njtransfer.org.



Electrical/Industrial Mechanics Career Pathway

Indusmechanics.nctc.edu

Career Overview

Opportunity exists working as an electrician, in manufacturing or in industrial mechanics. Each step in the pathway can lead to industry certifications and licensing. Student can work in many of these fields while attending classes and working toward additional certifications or a degree.

Other Credit

May be awarded from the following areas:

- · Non-credit training
- · Industry certifications
- College credit
- · Military service
- · Work experience
- · Technical schools
- · Study abroad
- Dual Credit

Short-term Certificates

Electrical Skills Course

- Self-paced online
- Potential starting wage is \$14+ per hour
- Potential 3 hrs credit toward Electrical or Industrial Mechanics Level 1 Certificate
- Industry certification through SACA C-201

Mechatronics and Industrial Automation Technician Course:

- · Self-paced online
- Potential starting wage is \$18+ per hour
- Potential 6 hrs credit toward Electrical or Industrial Mechanics Level 1 Certificate
- Industry certification through SpaceTEC® and CTS.

Questions?

ACE@nctc.edu

Level 1 Certificates

Electrical Certificate

- 15 credit hours
- Potential starting wage is \$14+ per hour
- Educational credit toward electrical journeyman licensing through TDLR
- Industry certification through NC3

Industrial Mechanics Certificate

- 30 credit hours
- · Includes Electrical certificate
- Potential starting wage is \$16+ per hour
- Educational credit toward electrical journeyman licensing through TDLR
- Industry certifications through NC3

Questions?

industech@nctc.edu

AAS Degree

AAS Industrial Mechanics

- 60 credit hours
- Potential starting income \$18 per hour
- Educational credit toward electrical journeyman licensing through TDLR
- OSHA certification
- Industry certifications through NC3

Bachelor's Degree

The AAS degree is part of the North Texas Community College Consortium Transfer Collaborative and can lead to BAAS programs at numerous universities.

Visit the site below and input the program title and college to check a pathway: NTXCCC

LEGEND OF TERMS

SACA Smart Automation
Certifications

CTS Credential Testing Services

TDLR Texas Department of Licensing & Regulation

NC3 National Coalition of Certification Centers

OSHA Occupational Safety & Health

Administration.

AAS Associate of Applied Science

BAAS Bachelor of Applied Arts &

Sciences

Questions?

industech@nctc.edu



Industrial Systems Career Pathway

	EDUCATION GOALS							
LEVEL	Associates in Applied Science Degree (AAS)							
PROGRAM	Industrial Systems Technology							

OCCUPATIONS INCLUDE...

- Instrument & Electrical (I&E) Technician
- · Maintenance Technician
- · Industrial Mechanic

MEDIAN ANNUAL SALARY RANGE IN NC

\$40,710 - \$58,460

Career & College Promise Credit: 13

PACE Credit: 3

		REQUIRED CO	URSE SEQUEN	CE C	REQUIRED	CTE CONCENTRATOR ELECTIVES	SUPPLEMENTAL CTE COURSES
GRADE	ENGLISH	MATHEMATICS	SCIENCE	SOCIAL STUDIES	ELECTIVES		
9	English I	Math I	Earth Science	World History	Health/PE		Career Management
10	English II	Math II	Biology	American History I			Microsoft Word and Powerpoint
11	English III	Math III	Physical Science OR Chemistry	American History II			Project Management I CTE Advanced Studies
12	English IV	Advanced Mathematics course where Math III is a prerequisite	Other Science Elective	Civics/Economics		FTCC High School Connections - Basic Mechanical Maintenance	CTE Internship CTE Apprenticeship

FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE PLAN – Industrial Systems Technology									
N PLAN	Fall 1	ACA120-Career Assessment OR ACA122-College Transfer Success	BPR111-Print Reading	CIS111-Basic PC Literacy	ELC112-DC/AC Electricity	MNT110-Intro to Maint Procedures	WLD112-Basic Welding Processes		
EDUCATION	Spring 1	ENG110-Freshman Composition OR ENG111-Writing and Inquiry	ELC128-Intro to PLC	MAC141-Machining Applications I	PHY121-Applied Physics I	PLU111-Intro to Basic Plumbing			
POST-SECONDARY	Summer 1	BPR115-Elc/Fluid Power Diagrams	HYD110-Hydraulics/ Pneumatics I	MNT111-Maintenance Practices					
	Fall 2	COM120-Intro Interpersonal Com OR COM231-Public Speaking	ELC228-PLC Applications	ISC110-Workplace Safety	WBL110-World of Work	WLD115-SMAW (Stick) Plate			
	Spring 2	ELC117-Motors and Controls	MNT220-Rigging and Moving	MNT230-Pumps & Piping Systems	Humanities/Fine Arts Elective	Social/Behav Science Elective			



Fayetteville, NC

i • TECH Isothermal Engineering & Technology Academy

Advanced Technology Certificate CCP Certificate Pathway (15 Credit Hours) DFT 151 CAD I EGR 110 Intro to Engineering Technology HYD 110 Hydraulics MAC 141 Machine Applications MEC 161 MFG Processes

Success & Study Skills

ACA 115

Second Year Advanced Technology Diploma CCP Diploma Pathway (37 Credit Hours combined with certificate) Intro to Computers CIS 110 DFT 154 Intro to Solid Modeling **ENG 111** Writing and Inquiry ISC 121 **Environmental Health & Safety** ISC 132 Quality Algebra/Trigonometry I **MAT 121** MEC 180 **Engineering Materials**

Full-Time College Year Manufacturing Technology -Machining Track Associates Degree Manufacturing Technology -M В Manufacturing Track Associates Degree P **Work-Based Learning** Н O G **Mechanical Engineering Technology** Associates Degree M Mechanical Engineering Ε R Technology -Mechatronics Track Ν S Associates Degree **Mechanical Engineering** Technology -Mechanical Drafting Track Associates Degree

Additional Credentials and Activities

"Portable" Industry Credentials
OSHA Card
FANUC Robotics Certification
Tooling-U Certifications
ACT Work Keys NCRC

Career Exploration
Career Research
Guest Speakers
Workplace Tours
Career-Related Projects
Community Service
Internship options in final year

Name of Career Pathway

<Program Hyperlink>

Prior Credit

Use this space to provide information about the opportunities your institution provides for students to earn college credits while in high school, or to earn credit for prior learning such as previous college, work, and/or military experiences.

Career

Provide details or links to external resources for further exploration on career opportunities in this pathway

Certificate

Use this space to identify certificates within this pathway that stack toward the degree.

For each, list:

- Name of certificate
- # of college credits
- Potential job and median income
- Aligned industry certification(s)

Additional Certificate or Diploma

Use this space to identify additional certificates and/or a diploma that stacks toward the degree.

For each, list:

- Name of certificate/diploma
- # of college credits
- Potential job and median income
- Aligned industry certification(s)

Associate Degree

Use this space to describe the remaining credits in the pathway sequence needed to earn an AS or AAS degree.

For the degree, list:

- # of college credits
- Potential job and median income
- Aligned industry certification(s)

Bachelors Degree

Bachelors Degree in _____ at _____ at ______

Example:



Name of Career Pathway

cprogram link>

Prior Credit

Use this space to provide information about the opportunities your institution provides for students to earn college credits while in high school, or to earn credit for prior learning such as previous college, work, and/or military experiences.

Career

Any additional details about career opportunities aligned to stackable credentials along the pathway

Adult Education

Use this space to identify concurrent education within this pathway that stack toward the first post-secondary credential.

For each, list:

- · Name of course or program
- Duration
- Concurrent or Pre-requisite

Certificate

Use this space to identify additional certificates and/or a diploma that stacks toward the degree.

For each, list:

- Name of certificate/diploma
- # of college credits
- Potential job and median income
- Aligned industry certification(s)

Associate Degree

Use this space to describe the remaining credits in the pathway sequence needed to earn an AS or AAS degree.

For the degree, list:

- # of college credits
- Potential job and median income
- Aligned industry certification(s)

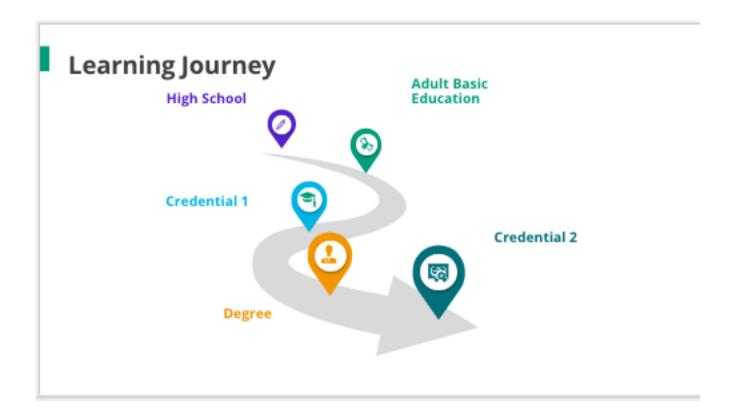
Bachelors Degree

Bachelors Degree in ______
University

Example:

ACTIVITY

Creating a Career Pathway Map



Using the Map Template



 Download "Generic Template" from the Workshop Toolbox (PPTX file)

or

Use paper template at your table

Mapping Activity for Secondary Partners

Pick a program offered at your high school

How does it align with your postsecondary partner institution?

What is the next step a student can take after the first postsecondary credential in that career field?

Look up the program for the next step - what is the name of the program and where is it offered?

Where can you find reliable wage and occupation info?

Mapping Activity for PostSecondary Partners

Pick a program offered at your college.

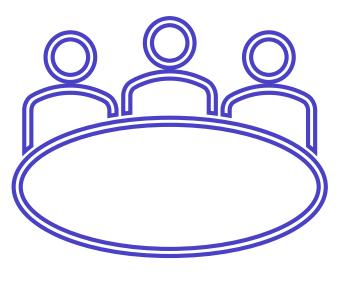
Are dual enrollment and/or concurrent enrollment opportunities for students?

What is the next step a student can take after the first postsecondary credential in the career field?

Do the first credential and all subsequent credentials stack up the next credential?

Where can you find reliable wage and occupation info?

Share and Discuss



How Will We Get There?

Consider the gaps moving from one credential or institution to the next:

- What needs to be done to address the gap?
- Is it a barrier related to process or policy?
- Who needs to be at the table to discuss the gap?
- What are the opportunities that haven't been mapped yet?



Action Planning



		Local A	ction Plan								
Goal, Objective, Priority: What do we want to achieve?	Action Steps: How will we achieve it?		Lead: Who is responsible?	Intended Results: Measurable outcomes?	Timeline: By when?	Notes:					
Partnerships											
Internal Partnerships											
Gaps	T			I	_						
Opportunities											
	 										
5											
External Partnerships Gaps					Loc	al Action	Plan				
Caps					200	ur riction	7 70177				
		Goal, Objective, Priority: What do we want to achieve?		Action Steps: How will we achie	Action Steps: Lead: How will we achieve it? Who is respon		responsible?	ntended Results: Measurable outcomes?	Timeline: By when?		
Opportunities								utcomesr			
		Employer En	gagement								
	_	Gaps									
	 										
			-	I		I	ı		1	ı	I
		Opportunities									
			- -	Local Action Plan							
				ctive, Priority: want to achieve?		Steps: ill we achieve it?		Lead: Who is responsible?	Intended Res Measurable outcomes?	ults: Timeline: By when?	Notes:
			Stackabl	e Credentials/Car	reer Pathw	avs Program	n Design				
			Stackable Gaps	e Credentials/Car	reer Pathw	ays Program	n Design				

Supporting Completion

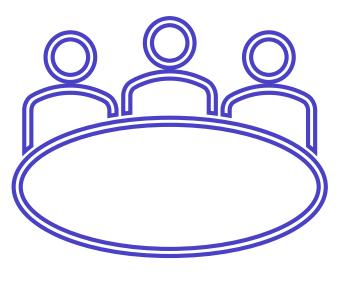
Opportunities

✓ Use Action Plan Template at your table

or

✓ Download Action Plan Template from Workshop Toolbox

Share and Discuss



Advancing Credentials

THROUGH Career Pathways





Self Check #4

Supporting Student Completion

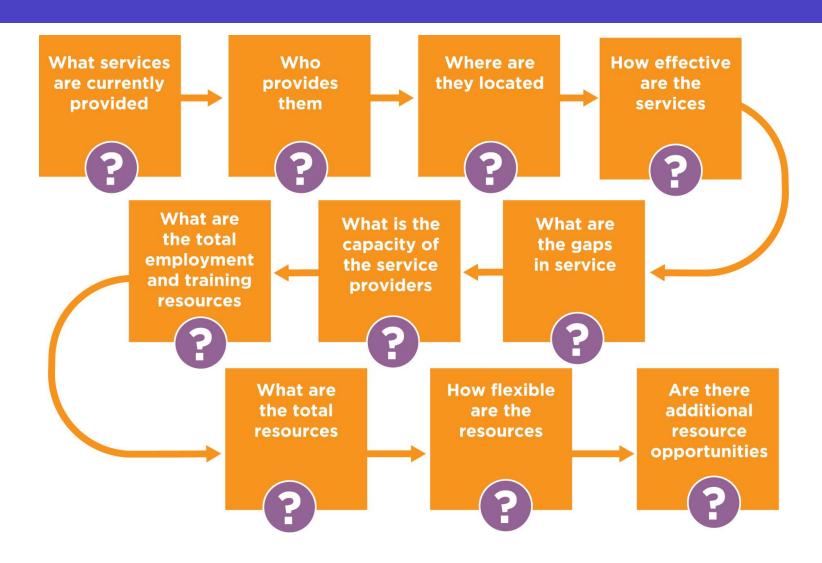


Types of Holistic Support

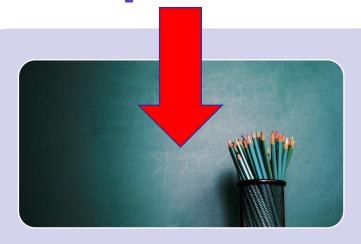
- **Academic** help learners successfully complete the program and transition to a job or postsecondary education.
- Financial address barriers such as tuition, textbooks and materials that may impact learner ability to afford the training
- **Personal** focus on individual needs such as mental and physical health, childcare, and transportation.



Holistic Support Journey



Examples of Holistic Services







Academic

Aligned to local needs
Industry credentials
Credit for Prior learning
(CPL)
Flexible class offerings

Tutoring

Cohort Learning

Financial

Grants (Pell)

Scholarships

Book/Materials

Industry Certification fees

Basic needs assistance

Personal

Student-centered success coaching

Childcare

Transportation

Mental Health services

Aligned to local needs

- Associate Accelerated Program (ASAP) helps qualified high school graduates earn a two-year associate degree in just 11 months
- Flexible, fast-track program for **working** adults. Earn a certificate in two semesters (one year) or an associate degree in four semesters (two years).
- The IT Academy allows students to rapidly get in-demand IT training and skills and earn accelerated noncredit certificates of completion through the Academy's regular classes and intense summer boot camps—some as quick as a few days or weeks.



Ivy Tech Community College

Indiana Industry Certification

- Statewide community college system with over 40 locations in Indiana
- Developed a certification crosswalk lists amount of credit awarded for industry-based certifications
- Crosswalk includes over 100 industry-recognized certifications
 - Aligned to credit for students wishing to pursue degree programs
 - Incorporate a stackable credential model that starts with 18credit hour certificates that stack into 30-hr technical certificates and then into the Associate's degree



Ivy Tech Industry Certification Crosswalk

ADVANCED MANUFACTURING	
Society of Manufacturing Engineers - Certified Manufacturing Technologist	ADMF 115 Materials and Processes for Manufacturing
MSSC (Manufacturing Skills Standards Council) Production Technician Certification	ADMF 101 Key Principles of Advanced Manufacturing AND ADMF 102 Technology in Advanced Manufacturing
MSSC (Manufacturing Skills Standards Council) Safety and Quality Practices & Measurement	ADMF 101 Key Principles of Advanced Manufacturing
MSSC (Manufacturing Skills Standards Council) Manufacturing Processes & Production and Maintenance Awareness	ADMF 102 Technology in Advanced Manufacturing
Fanuc HandlingPro and Programming or NOCTI Certification (FCR-01)	ADMF 116 Automation and Robotics I & ADMF 206 ADMF Automation and Robotics II
Motoman Basic, Accelerated, or Advanced Robotic Programming (Yaskawa)	ADMF 117 Motoman Robotic Programming
NIMS Duty Area 1 - Maintenance Operations	ADMF 102 Technology in Advanced Manufacturing
NIMS Duty Area 2 - Basic Mechanical Systems	INDT 203 Machine Maintenance and Installation
NIMS Duty Area 3 - Basic Hydraulic Systems	INDT 104 Fluid Power Basics
NIMS Duty Area 4 - Basic Pneumatic Systems	ADMF 222 Mechatronics Pressurized Systems

Credit for Prior Learning



Credit for prior learning, or CPL, is a term for various methods that colleges, universities, and other education or training providers use to evaluate learning that has occurred outside of the traditional academic environment. It's also sometimes called prior learning assessment (PLA).



It is used to grant college credit, certification, or advanced standing toward further education or training. Other common terms for this process include prior learning assessment (PLA), recognition of prior learning, and recognition of learning.

Source: Council for Adult and Experiential Learning (CAEL)



Types of Credit for Prior Learning

- Registered Apprenticeships
- Industry Certifications and Licensures
- High School to Community College Articulation Agreement
- Military Education and Training
- Standardized Examinations
- Challenge Examinations/Proficiency
- Portfolio Assessment
- Internal Articulation of Non-credit to Credit

Benefits of Credit for Prior Learning

STUDENT PERSPECTIVE	INSTITUTIONAL PERSPECTIVE	EMPLOYER PERSPECTIVE
 Accelerates Completion 	Attracts New StudentsIncreased Enrollments	Clarifies Pathway
 Reduces Duplication of Learning 	 Promotes Retention and Higher Persistence Levels with CPL Students 	 Recognized Industry Credentials
 Lowers Education Costs 	 Results in More Institutional Credits 	 Reduces Employee Time to Degree
 Reduces Student Debt 	 Strengthens Employer Partnerships 	 Lowers Investment of Business and Higher ROI
 Increases Likelihood of Graduation 	 Enhances the Ability to Stay Competitive with Higher Education Institutions 	

Source: Credit for Prior Learning Guide: A Practical Guide for Community Colleges

CPL Promising Practices/Key Takeaways

Organizational Culture & Faculty Development

- Assess organizational culture & faculty
- Single point of contact at institution or group of champions
- Ongoing professional development for faculty and administrators
- Administration and Faculty support of noncredit to credit integration

Student-Friendly Policies

- Application of credits to degree/major requirements
- Number of credits a student can earn/residency requirements
- Credits appear on the student transcript
- No fees charged to students

Source: CPL_Implementation_Guide.pdf (southcentral.edu)

CPL Promising Practices/Key Takeaways

Create CPL Crosswalks

- Related industry recognized certifications
- Continuing education/workforce development courses
- Standardized crosswalk tool

Marketing & Awareness

- Create web portal—list all PLA opportunities in one place
- Create program-specific career pathway maps that illustrate CPL options
- Support student success with trained student and faculty advisors to guide students

ACTIVITY

Non-credit to Credit Integration Worksheet



Examples of Holistic Services







Academic

Aligned to local needs
Industry credentials
Credit for Prior learning
(CPL)

Flexible class offerings

Tutoring

Cohort Learning

Financial

Grants (Pell)

Scholarships

Book/Materials

Industry Certification fees

Basic needs assistance

Personal

Student-centered success coaching

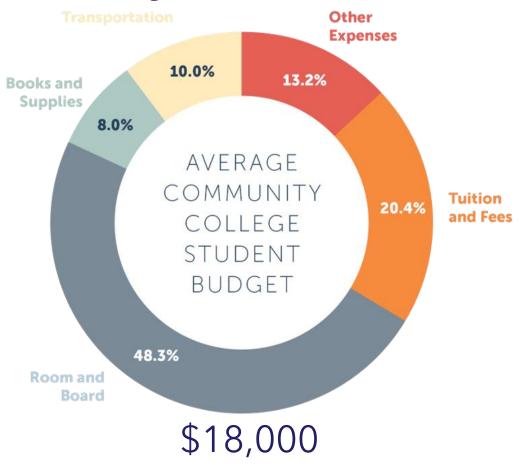
Childcare

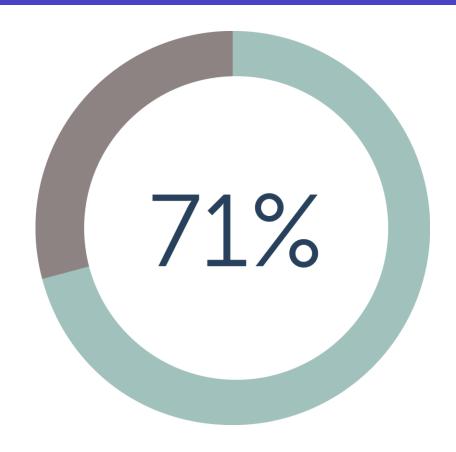
Transportation

Mental Health services

Unmet Need

Average total budget for a community college student in 2019

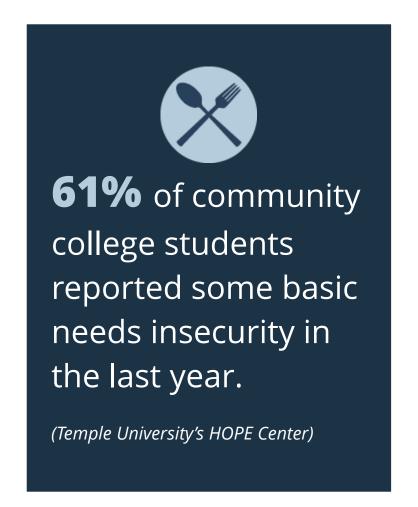




public year students with unmet financial need ¹

Basic Needs Insecurity

#REALCOLLEGE Survey	2-year Colleges (2020)	4-year Colleges (2020)
Food Insecurity	39%	29%
Housing Insecurity	52%	43%
Homelessness	14%	14%



THE HOPE CENTER SURVEY 2021: BASIC NEEDS INSECURITY DURING THE ONGOING PANDEMIC

Basic Needs Insecurity

#REALCOLLEGE Survey	Portland Community College (2019)	Oregon's Community Colleges (2019)
Food Insecurity	41%	41%
Housing Insecurity	53%	52%
Homelessness	19%	52%

63% of community college students reported some basic needs insecurity in the last year. (Temple University's HOPE Center)

The Hope Center: #RealCollege 2020: Five Years of Evidence on Campus Basic Needs Insecurity and Oregon Community Colleges #RealCollege Survey

Access to Benefits

UNEMPLOYMENT INSURANCE

VETERANS BENEFITS

CHILD TAX CREDIT

SNAP FOOD STAMPS

AMERICAN OPPORTUNITY TAX CREDIT

CHIP

EARNED INCOME TAX CREDIT

HOUSING VOUCHERS

VETERANS BENEFITS

CHILD CARE SUBSIDIES

SOCIAL SECURITY

WIC

TRADE ACT

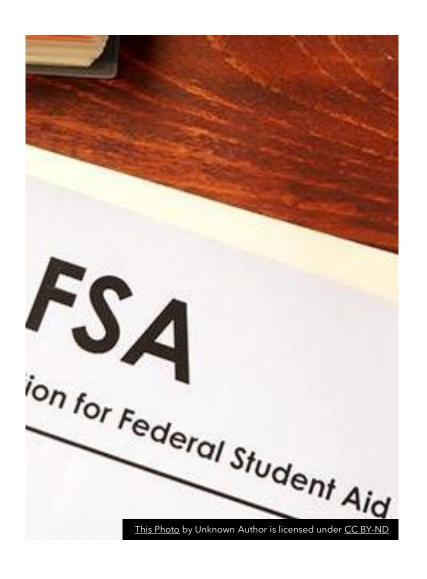
SSI

SNAP

50/50 STUDENT SUPPORT SERVICES

BENEFIT ACCESS = COLLEGE ACCESS

State-level Financial Support



- Nearly 30 states offer tuition-free associate degrees, but the fine print varies widely.
- Eligibility considerations include residency, income, age, even field of study.
- All programs require applicants to complete the <u>Free</u> <u>Application for Federal Student Aid</u> (FAFSA).
- Most provide "last-dollar" grants, which pay remaining college fees after other aid is applied.
- Others are "first-dollar" grants, providing students with college funds upfront, regardless of what other funding they may be eligible to receive.

Source: <u>Is Community College Free? Yes, in These 31 States</u>, BestColleges, 2022

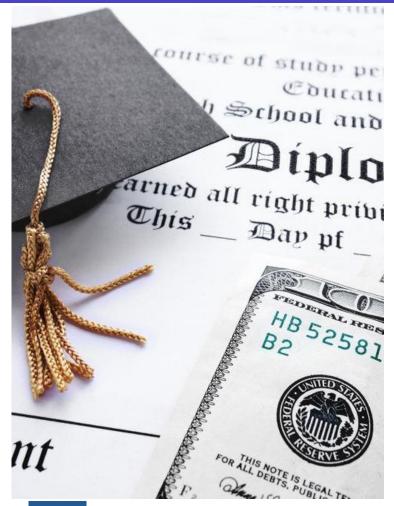
Federal Financial Support

Pell Grant

- Must have already received a high school diploma or (G.E.D.) certificate
- Capped at \$6,895 per year
- Cannot be used for more than 12 full-time or equivalent terms over an individual's lifetime

Ability to Benefit

- Available to adult education students without a high school diploma or equivalent
- Students must prove their "ability to benefit," such as by passing a test





State-level Financial Support

• <u>Is Community College Free? Yes, in</u> <u>These 31 States | BestColleges</u>





Make college more affordable

Strategies at RCCC

- Map coursework to industry recognized professional certifications.
- Update course content where needed to better address student learning outcomes from those professional certifications.
- Formalize a process for paying for/funding certifications.
- Use Credit by Professional Certification in NC to award credit when possible.
- Have multiple entry and exit points for students interested in Information Technology



Test Fest at RCCC

To increase student participation in certification testing, RCCC organized an Annual Event called "Test Fest"

- Faculty Proctor exams for 1 day each year.
- Tests are provided free of charge for students.
- Students can take as many exams as they like in the 8-hour period.
- Credit by Professional Certification is awarded as appropriate.

Test Fest Certification Exams

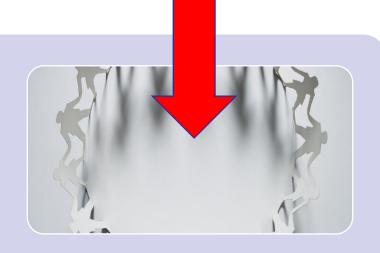
Rowan-Cabarrus Community College

Course	Exam Type	Exam Name
CIS-110	IC3	IC3 Exam (Global Standard 5)
CIS-115	MTA	Introduction to Programming Using Python - Exam 98-381
CSC-139	MTA	Software Development Fundamentals (VB Version)- Exam 98-361
CSC-151	MTA	Introduction to Programming Using Java - Exam 98-388
CSC-153	MTA	Software Development Fundamentals (C# Version) - Exam 98-361
CTI-120	MTA	Networking Fundamentals - Exam 98-366 AND Security Fundamentals - Exam 98-367
CTS-130	MOS	Microsoft Office Specialist – Excel Core
CTS-230	MOS	Microsoft Office Specialist – Excel Expert
DBA-110	MOS	Microsoft Office Specialist - Access
DBA-120	MTA	Database Administration Fundamentals - Exam 98-364
NOS-130	MTA	Windows Operating System Fundamentals- Exam 98-349
NOS-230	MTA	Windows Server Administration Fundamentals - Exam 98-365
OST-136	MOS	Microsoft Office Specialist – Word Core
OST-236	MOS	Microsoft Office Specialist – Word Expert
WEB-110	MTA	Introduction to Programming Using HTML and CSS - Exam 98-383

Examples of Holistic Services







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- Student-centered success coaching
- Mental Health services
- Childcare
- Transportation
- Employment assistance

Adult Learner Centered & Equity Framework (ALCEF)

ALCEF led by Council for Adult and Experiential Learning (CAEL) and funded with Federal funds from the U.S. Department of Agriculture.



Three-year initiative to increase access to education and training opportunities that improve SNAP program efficiency

Build and foster holistic collaboration among community colleges, workforce development boards, employers, workforce and human service providers, and other components

Partners:

- <u>Seattle Jobs Initiative</u>
- Grant Associates
- <u>American Public Human Services Association</u> (APSHA)



Monroe Community College

- Monroe Community College Schools@MCC
- <u>Guided Pathways at Monroe Community College</u> <u>Guided Pathways (monroecc.edu)</u>
- The model:
 - connects students to an academic home and the people who will support their personal success at the College.
 - provides distinct community of inspiring faculty, helpful staff, and like-minded students connected through similar academic interests and professional aspirations

Colorado Health Care Careers Academy

- Open Access: Free to anyone who is 16 or older and interested in healthcare
- **Academic:** Curriculum includes post-secondary certification pathways focused on some of the fastest-growing health occupations in Colorado
- **Career:** Students who complete the academy gain support from navigators to get hired into entry-level positions with healthcare partners and navigating higher education
- **Financial:** Eligible students can participate free of charge students who complete the academies receive \$500 deposited into their College Invest account.
- **Personal:** Students gain knowledge on health career opportunities, become self-aware of their aptitudes and interests, and obtain direct experience in the industry through virtual and in-person formats



Colorado Health Careers Collaborative (CHCC) | Arapahoe Community College

CHCC Partnerships: A Key Component

- A/D Works!
- Arrupe Jesuit High School
- Aurora Public Schools
- Boys & Girls Club Metro Denver
- Cherry Creek School District
- Colorado Early Colleges Aurora
- Colorado Early Colleges Douglas County
- Denver Public Schools
- Douglas County School District
- DPS Family and Community Engagement

- Emily Griffith Technical College
- Englewood School District
- ▶ Elbert School District
- ► Elizabeth School District
- ▶ Jefferson County Public Schools
- Kiowa School District
- Littleton School District
- Sheridan School District No. 2
- ▶ STEM School Highlands Ranch
- Zero Dropouts

AND some of the largest health employers in Colorado

- Centura Health
- DaVita
- HealthONE
- Kaiser Permanente



POSTER ACTIVITY

Holistic Supports Inventory



Action Planning



	L	ocal Act	tion Plan								
Goal, Objective, Priority: What do we want to achieve?	Action Steps: How will we achieve it?		ho is responsible?	Intended Results: Measurable outcomes?	Timeline: By when?	Notes:					
Partnerships											
Internal Partnerships											
Gaps	_										
	1										
Opportunities											
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External Partnerships					100	al Action Plan					
Gaps	_				LOC	ai Action Pian					
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		bjective, Pri		Action Steps: How will we achieve	un it2	Lead: Who is responsible?	Intended Results: Measurable	Timeline: By when?	Notes:		
	- What a	o we want to	demeve:	now will we define	ie it:	willo is responsible:	outcomes?	by when:			
Opportunities	Empl	oyer Enga	gement								
		oyer Eliga	Bennenie								
	Gaps										
	Gaps										
	Gaps	tunities									
	Gaps	tunities									
	Gaps	tunities				Local	Action Plan				
	Gaps	tunities	Cast Obion		Auto					Timeline	
	Gaps	tunities		tive, Priority: want to achieve?		Local Steps: Ill we achieve it?	Action Plan Lead: Who is responsible?	Intended Res Measurable outcomes?		Timeline: By when?	Notes:
	Gaps	tunities	What do we	want to achieve?	How w	Steps: ill we achieve it?	Lead:	Measurable			Notes:
	Gaps	tunities	What do we	want to achieve?	How w	Steps:	Lead:	Measurable			Notes:

Supporting Completion

Opportunities

✓ Use Action Plan Template at your table

or

✓ Download Action Plan Template from Workshop Toolbox

Share and Discuss





Refocus Our Perspective

- Industry Informed
- Viewed through Student Lens

Contact Us

Thank you for spending these two days with us!

Facilitators:

Claudia Maness, NCPN Director cdmaness@cord.org

Ann Westrich, NCPN Committee Chair aw.westy@outlook.com