AI ENGAGE FALL SUMMIT

ONLINE EVENT

The Workforce Won't Wait: How Technology Is Redefining the Role of Higher Education

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Element451

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The challenge is no longer keeping up with technology.

The challenge is building an institution that can keep up with change.

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The Workforce Moves Faster Than the College

- Technology can change in months.
- Employers can change their processes almost overnight.
- Job requirements can change within a year.
- Traditional curriculum development can take months or years.
- Faculty expertise may lag behind emerging technologies.
- Institutional systems often make it difficult to respond quickly.

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The LCCC Story:

From Programs to Responsiveness

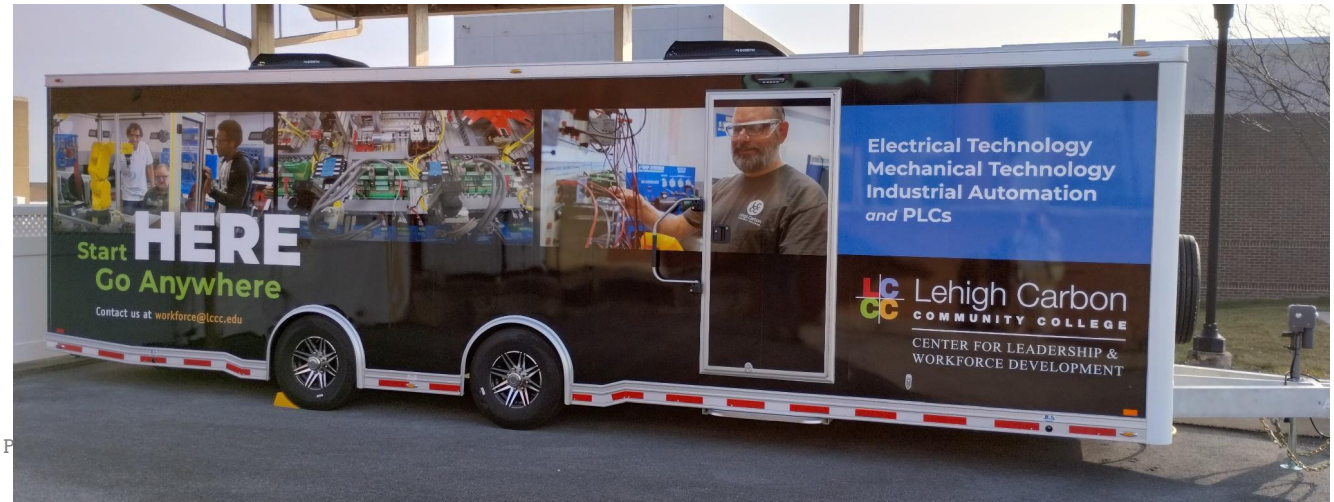
Technology is changing WHAT we teach

- Advanced manufacturing
- Robotics
- Mechatronics
- Fiber optics
- AI
- Biotechnology
- Electrician training
- Digital skills
- Industry-specific credentials
- Amazon MRA

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Technology is changing HOW we teach

- Online learning
- Hybrid learning
- AI-enabled teaching
- Faculty development
- Simulation/VR
- Digital credentials
- Flexible scheduling
- Mobile training



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Technology is changing WHO we serve

Today's learner might be:

- An incumbent worker
- A displaced worker
- An employer-sponsored employee
- A parent
- A person changing careers
- Someone who needs one specific skill
- Someone pursuing a short-term credential
- Someone learning remotely
- Someone who needs training at an employer's location

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The Most Important Shift:

From Program-Centric to Employer-Responsive





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Case Studies

Amazon Mechatronics Robotics Program

Case Study #1

- Partnership since 2020
- 12-week program to 9 weeks
- Updated skills
- Stackable!!!

amazon rme



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Electrician Certificate

Case Study #2

- New partnership
- Aligned to IBEW training
- Completers recognized for 1st year apprenticeship
- Stackable!!!

14-week 200-hour program → 6 credits to 30 Credit Certificate → Associate Degree

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Advanced Manufacturing / Robotics

Case Study #3



The REAL Story:
How do you continuously update curriculum, equipment, faculty expertise and employer partnerships as manufacturing technology changes?

Biotechnology / Eli Lilly

Case Study #4

- Economic Development
- Credit track – Workforce Track



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Workforce Pell

Case Study #5

- Each program is evaluated
- Alignment with industry
- High-skill, high-wage, in demand
- Stackable, portable across employers
- Academic credit
- Value added learning > tuition

Program	Hours	Weeks	Articulation
Electrician Certificate	200	14	6 credits
Dental Assistant	180	14	6 credits
CNA	150	10	3 credits
EMT	189	14	6 credits

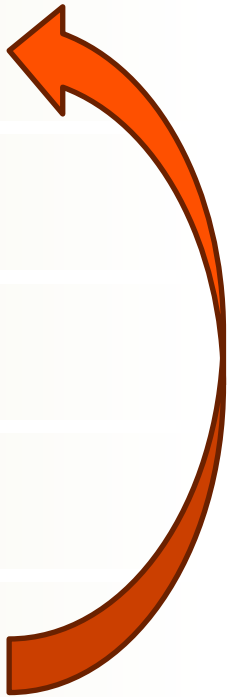
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The Responsive College Framework

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The Responsive College Framework

Listen	**Question:** What is changing?
Learn	**Question:** What skills are emerging?
Build	**Question:** How do we turn the need into learning?
Deliver	**Question:** How do learners actually access it?
Adapt	**Question:** What did we learn, and what needs to change?



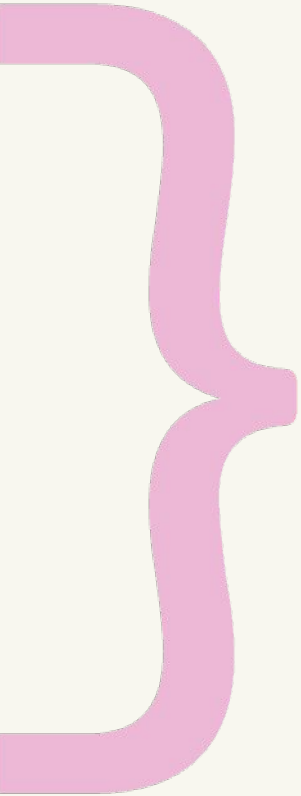
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Institutional Barriers

- **What prevents your institution from moving faster?**



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Technology isn't necessarily the barrier.

Institutional structure may be the barrier.

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The New Role of Higher Education

The New Role of Higher Education

Timeline



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Challenge and Discussion



New Credential?

How quickly can your institution create a new workforce credential?



Prepare Faculty?

How quickly can you prepare faculty to teach an emerging technology?



Deliver Training?

How quickly can you move from an employer identifying a workforce problem to actually delivering training?

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