



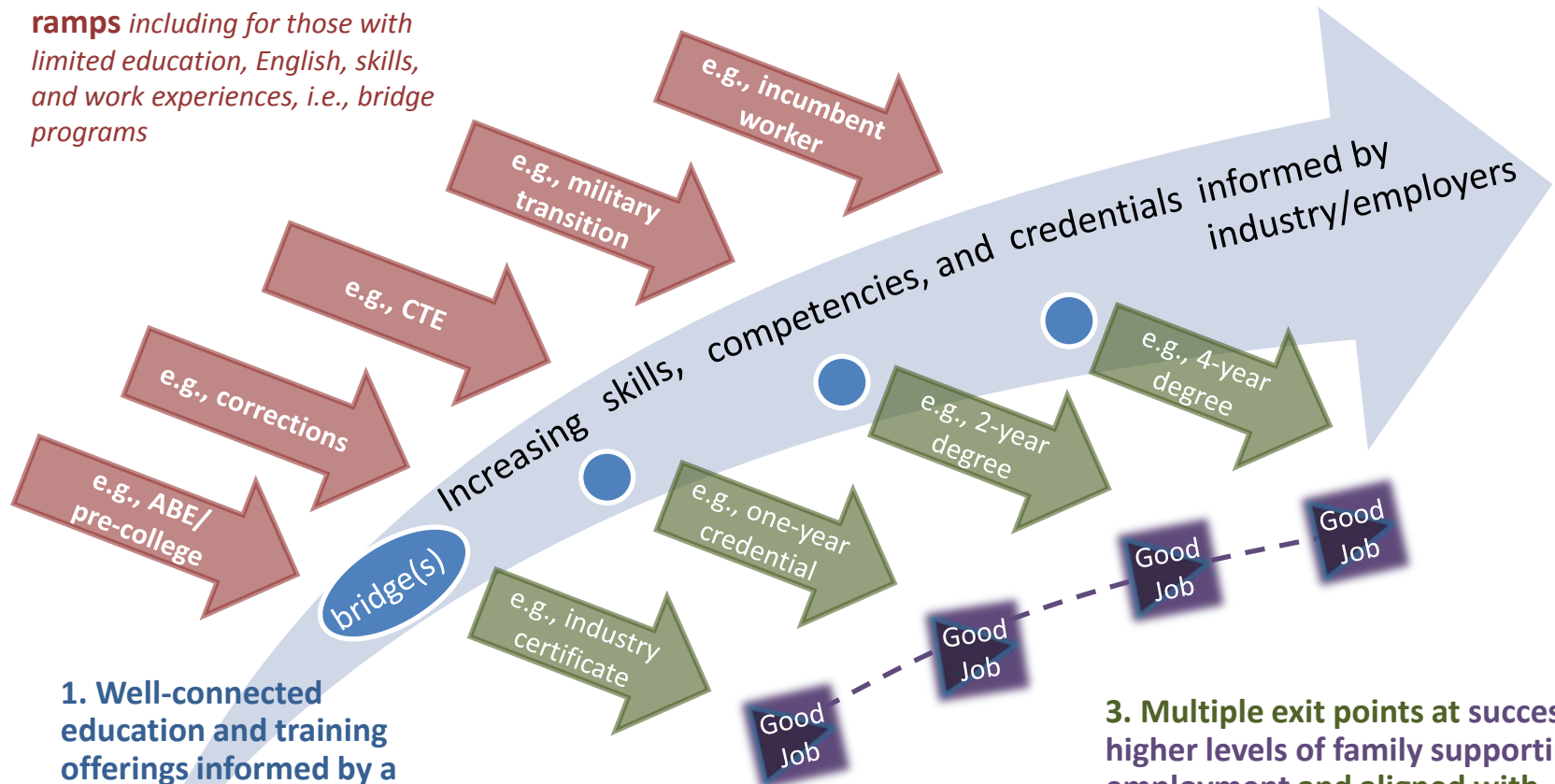
# National Academies' Committee on the Supply Chain for Middle-Skill Jobs: CTE and Middle Skills

Kate Blosveren  
Associate Executive Director  
NASDCTE<sub>c</sub>

# Career Pathways

## LOCAL CAREER PATHWAYS AND PROGRAMS

**2. Multiple entry points/on-ramps** including for those with limited education, English, skills, and work experiences, i.e., bridge programs



**1. Well-connected education and training offerings informed by a sector partnership;** often delivered via multiple linked and aligned programs

**3. Multiple exit points at successively higher levels of family supporting employment and aligned with subsequent entry points**

# Programs of Study

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- Minimum requirement of Perkins IV
- A coordinated, non-duplicative progression of courses that align secondary education with postsecondary education
- Progress from broader, foundational knowledge and skills to more occupationally-specific competencies over time.

*Career/Industry  
Exploration Course  
(Industry, Cluster Specific)*

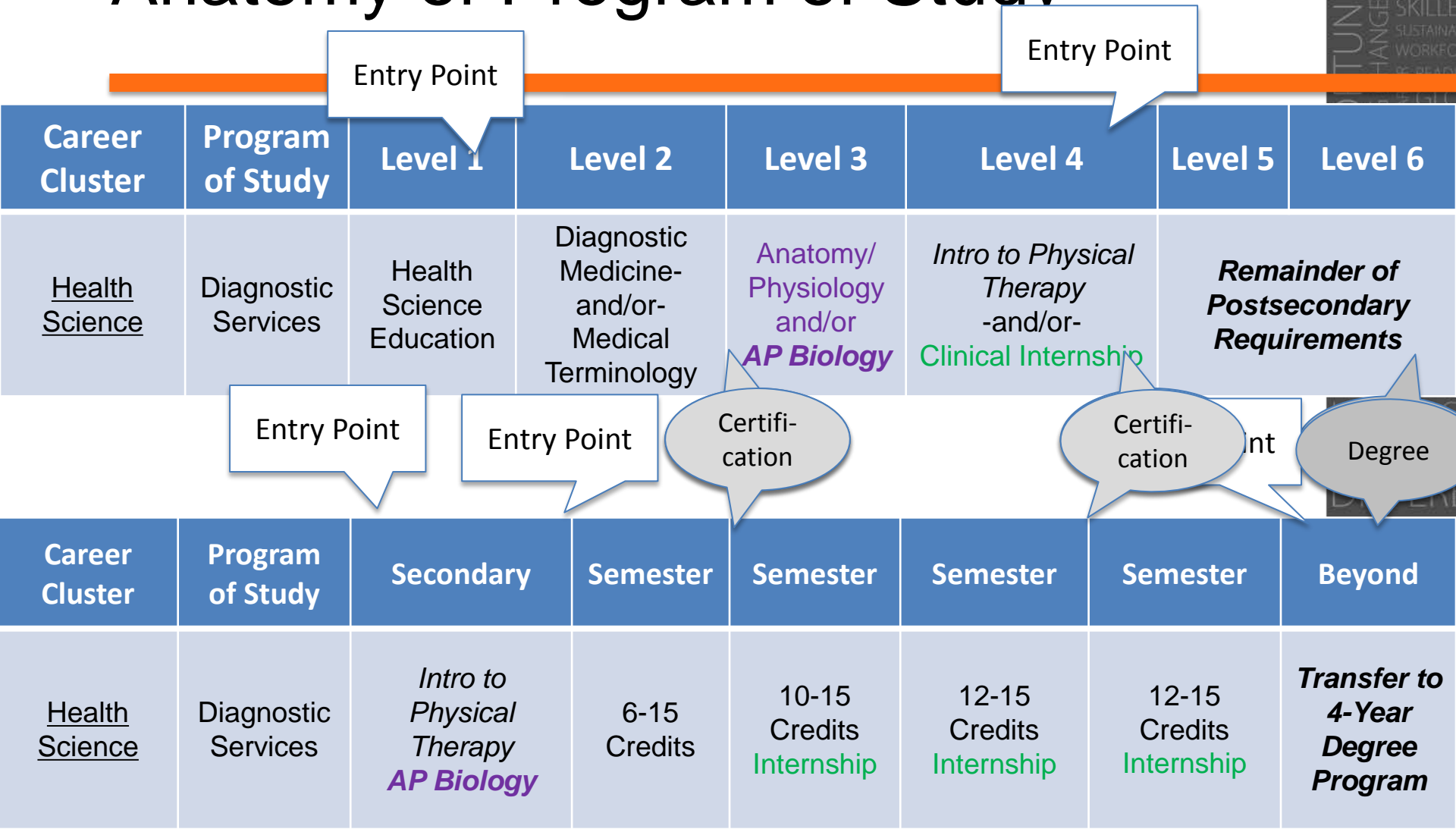
*Intro-Level Course (Industry,  
Pathway Specific)*

*Specialized Course  
(Pathway, Career Specific)*

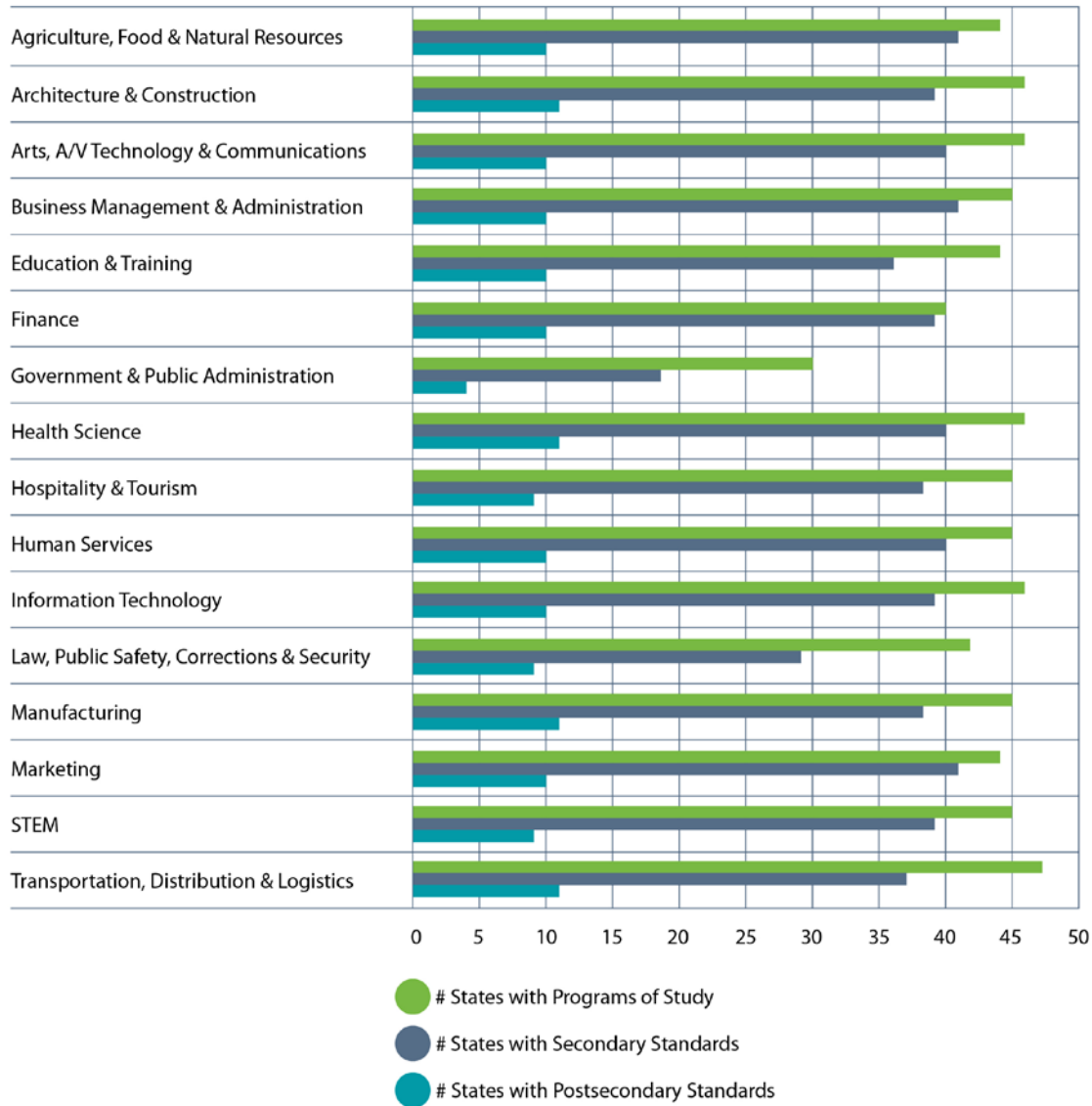
*Capstone Course (Career,  
Occupation Specific)*

GLOBAL  
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LEARNING  
SKILLS  
SUSTAINABLE  
WORKFORCE

# Anatomy of Program of Study



**Figure 1: State Programs of Study, by Career Cluster**



# State Examples

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- Minnesota's Consortia
- Nebraska's reVISION
- Pathways Tennessee

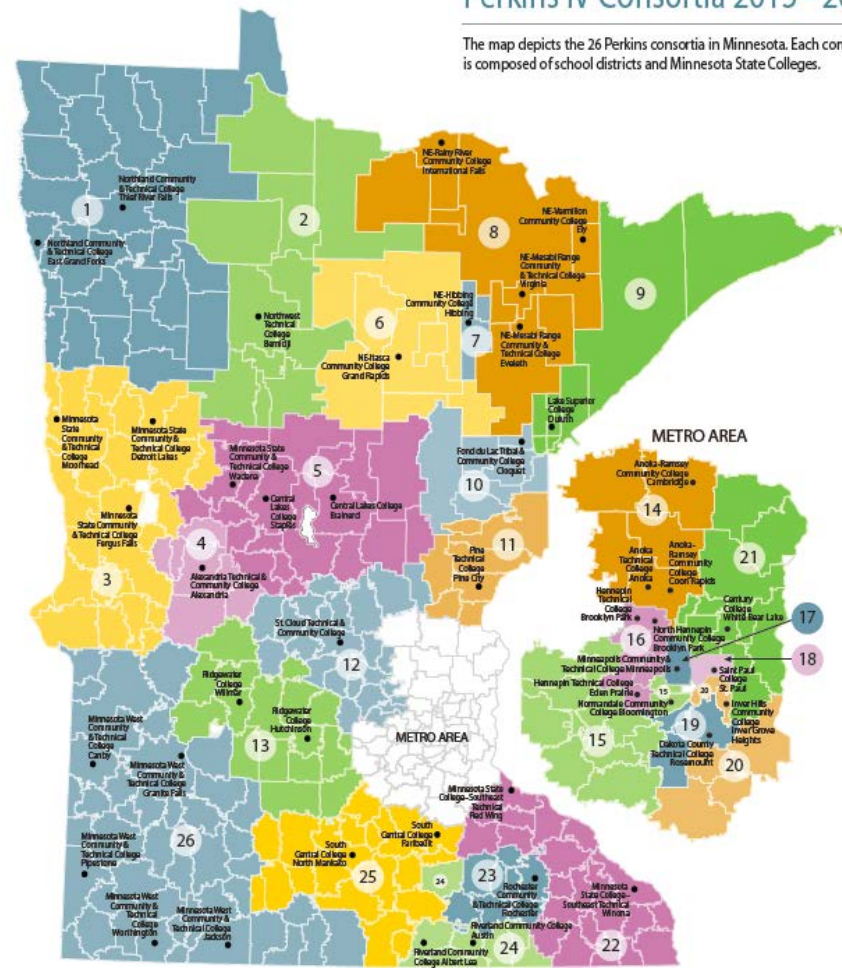
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# State Example: Minnesota

- **Minnesota** funds CTE through 26 secondary-postsecondary consortia.
- School district and two-year community or technical college(s).
- Agreement among superintendent and college president(s)

## Perkins IV Consortia 2015 - 2016

The map depicts the 26 Perkins consortia in Minnesota. Each consortium is composed of school districts and Minnesota State Colleges.



# State Example: Minnesota

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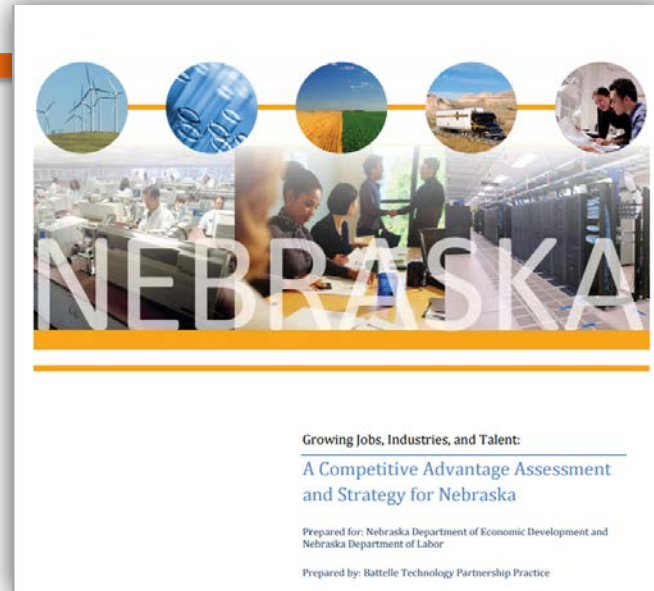
- Joint annual plan to guide the planning and implementation of CTE programs (not just those supported with Perkins funds) for the region
- Submit at least seven POS to the state for approval
- Established common core competencies, blueprints, and technical skill assessments for over 60 pathways, validated by business/industry.

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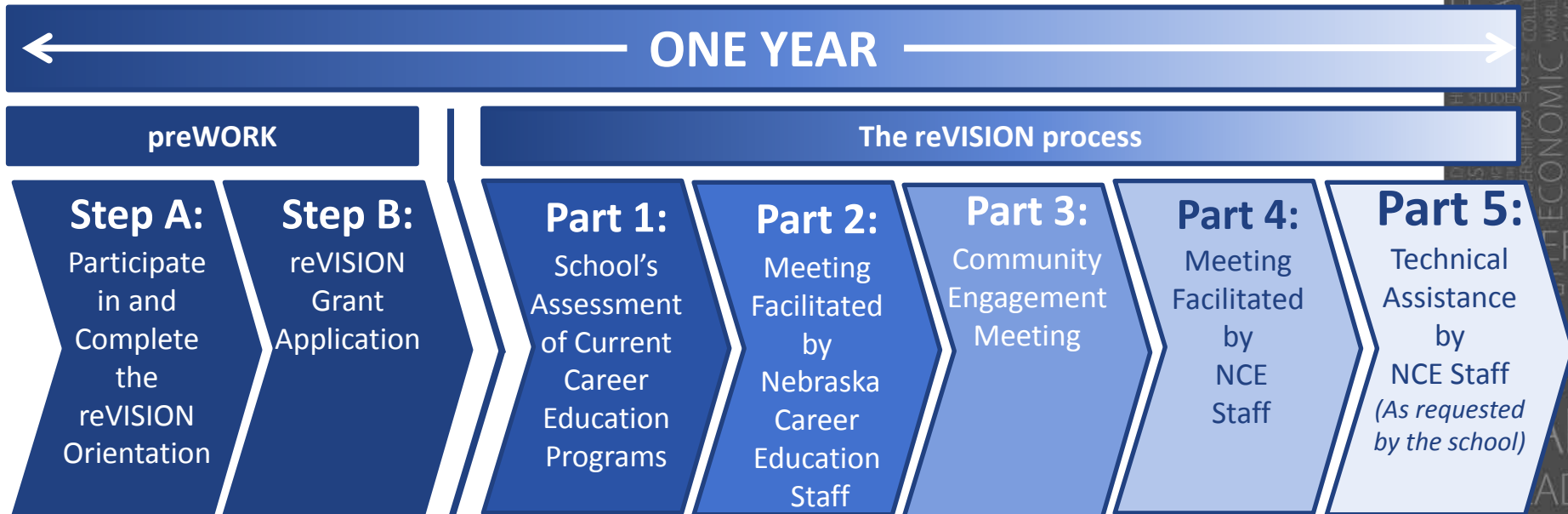


# State Example: Nebraska

- 2010 Battelle Study
- reVISION
  - Align CTE with labor market needs and economic initiatives
  - Develop talent pipelines for economic growth and workforce development
  - Align secondary CTE with postsecondary entrance expectations
  - Create a common language between employers and education



# reVISION Process



# reVISION Impact

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- ✓ 49 schools; 70+% of student population
- ✓ \$923,950 awarded (\$400,000 state appropriation)
- ✓ Examples:
  - ✓ New programs of study in Agriculture, Food & Nutrition Science, Business, Health Science, IT, Biomedical Engineering, Manufacturing, Marketing, TDL, STEM
  - ✓ Dual-credit welding career academy for grades 10-12
  - ✓ Partnership with Nebraska College of Technical Agriculture to offer more dual credit courses
  - ✓ Career development program for ELL students
  - ✓ Expanding career guidance in grades 6-8

# Tennessee's Pathways

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## Pathways Tennessee (9-14) framework:

- Active industry involvement in student learning
- Student supports, interventions, and counseling
- Utilization of early warning indicators and remediation strategies
- Postsecondary credits and/or industry certifications in high school
- Seamless transition from secondary to postsecondary
- Multiple entry and exit points through grades 13-16
- Fastest growing sectors

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ECONOMIC RECOVERY  
REPRESENTING  
MAKING DIFFERENCES  
STUDENT SUCCESS  
TRANSPARENCY  
EXPERIENCE

# Tennessee's Programs of Study Revision

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TRANSPARENCY  
EXPERIENCE

Phase	Goal	
Phase I	Streamline existing courses and programs of study	2013-2014 SY
Phase II	Add relevant new courses and new programs of study, revise courses to align to higher student expectations	2014-2015 SY
Phase III	Measure success of students with rigorous assessment options for all courses	2015-2017 SY

- ~200 new courses
- 100+ courses retired
- Work-based learning guidelines & practicum course
- 7 statewide dual credit courses
- CTE early postsecondary pilot



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