

Credentialing the American Workforce



JENNIFER MCNELLY
SENIOR VICE PRESIDENT

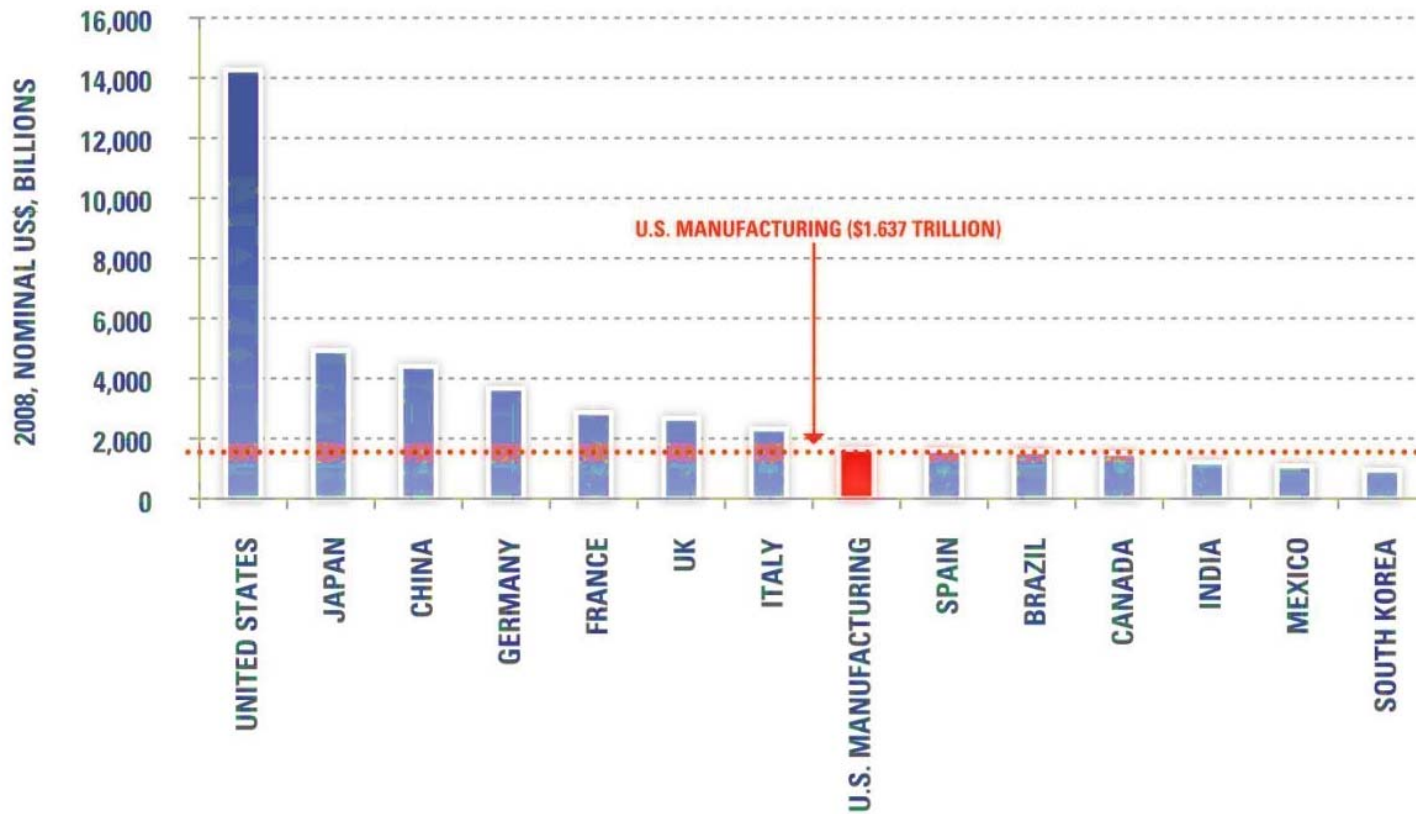
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Prepared For: ANSI

U.S. Manufacturing Is Strong

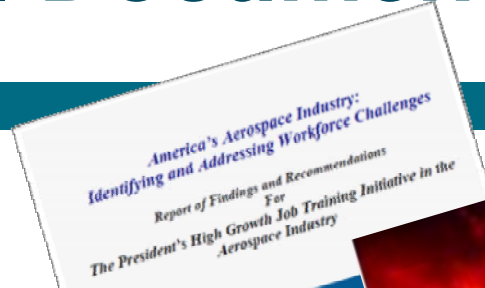
FIGURE 1.

U.S Manufacturing Is 8th Largest Economy

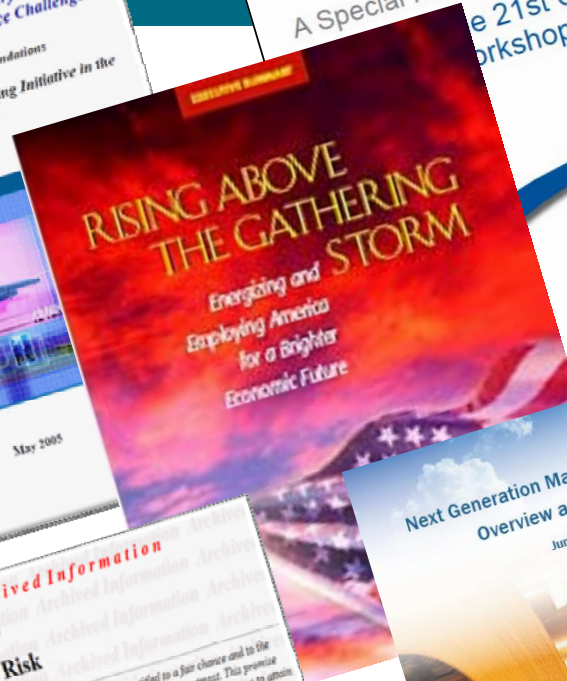
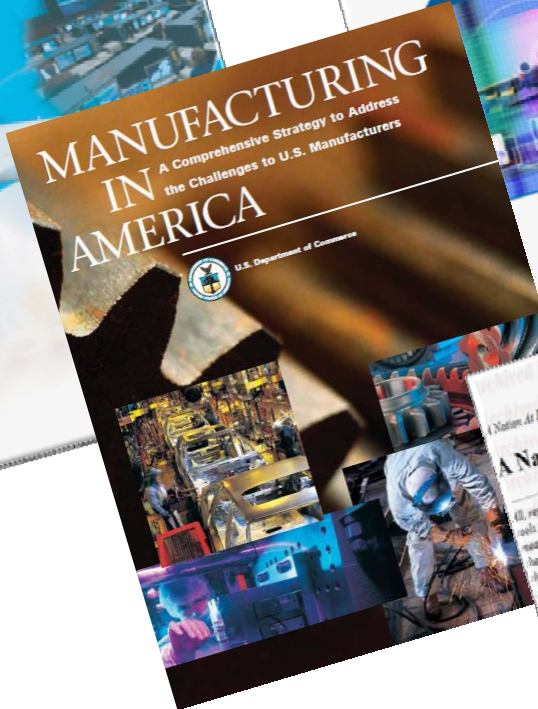


Sources: International Monetary Fund and U.S. Bureau of Economic Analysis

Well Documented Problem



A Special Report
The 21st Century
Workshop



A Million-Dollar Investment

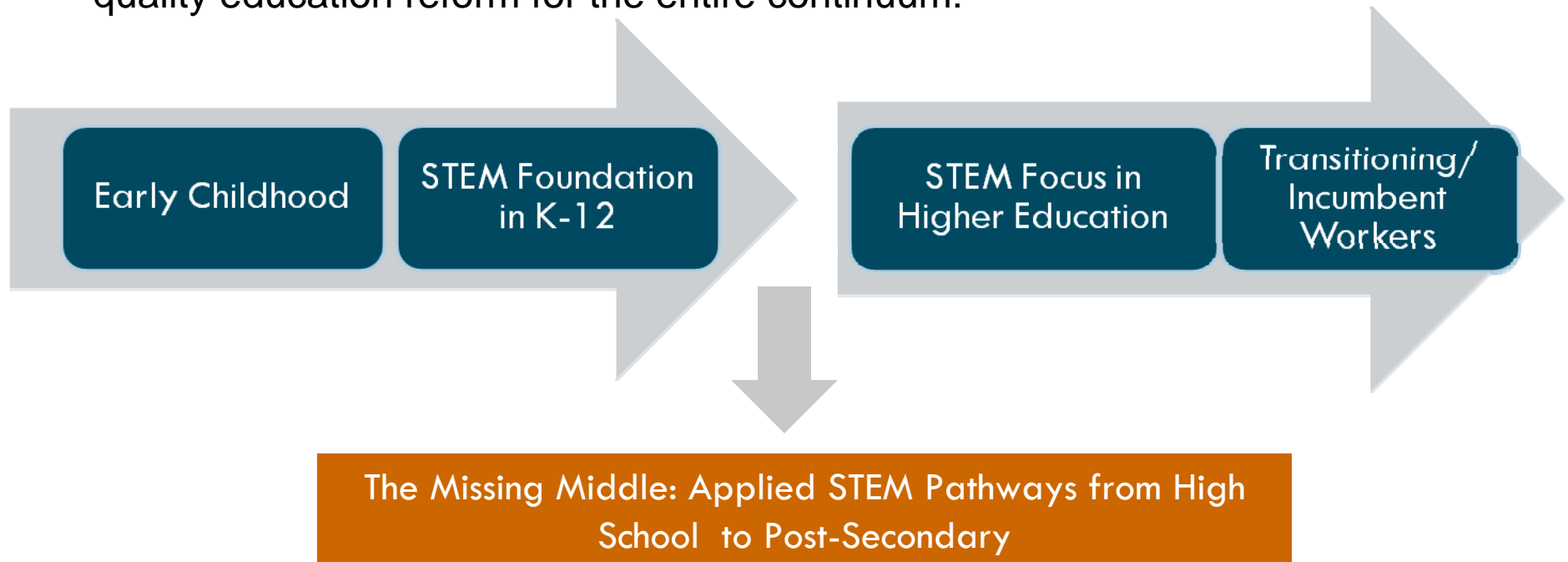
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“I advise each of my staff that every worker hired is a million-dollar investment for this company. I’m calculating that most hires are under 45 years old; we intend to keep them for at least 20 years, and our average annual salary/benefits package is \$55,000. In other words, we can’t afford to make a mistake—to hire someone without the right skills. Verifiable skills certification programs can make the difference between a good investment and a high-risk.”

*Dennis Rohrs,
Human Resource Manager
Fort Wayne Metals, Inc.*

National Dialogue and Dilemma

Our Education and Workforce Development agenda focuses on implementing quality education reform for the entire continuum:



Foundational skills in English language communication, reading, applied STEM, and workplace competencies such as teamwork, work ethic, integrity, and creativity are **necessary** for **all** individuals to pursue **any** career in manufacturing.



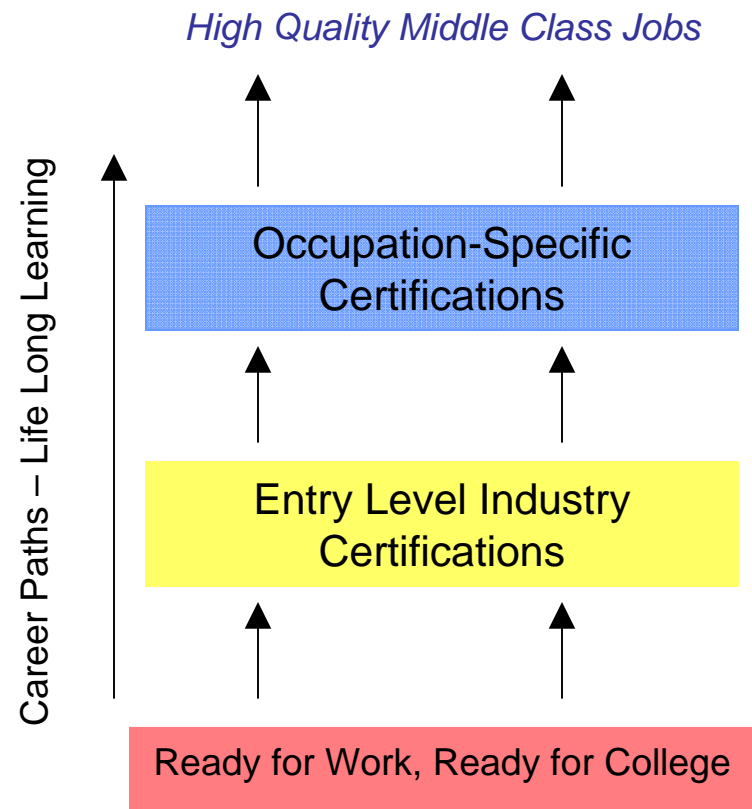
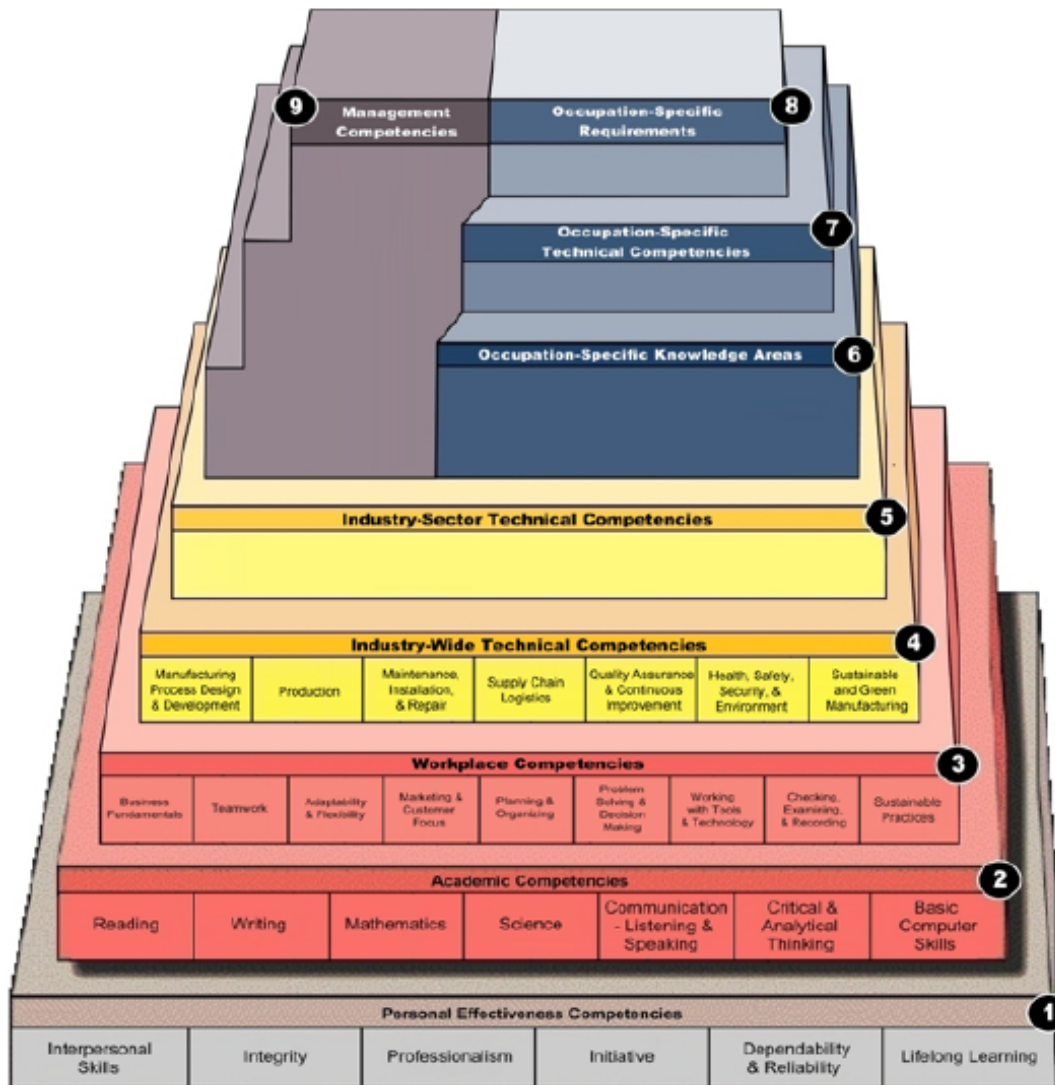
MANUFACTURERS'

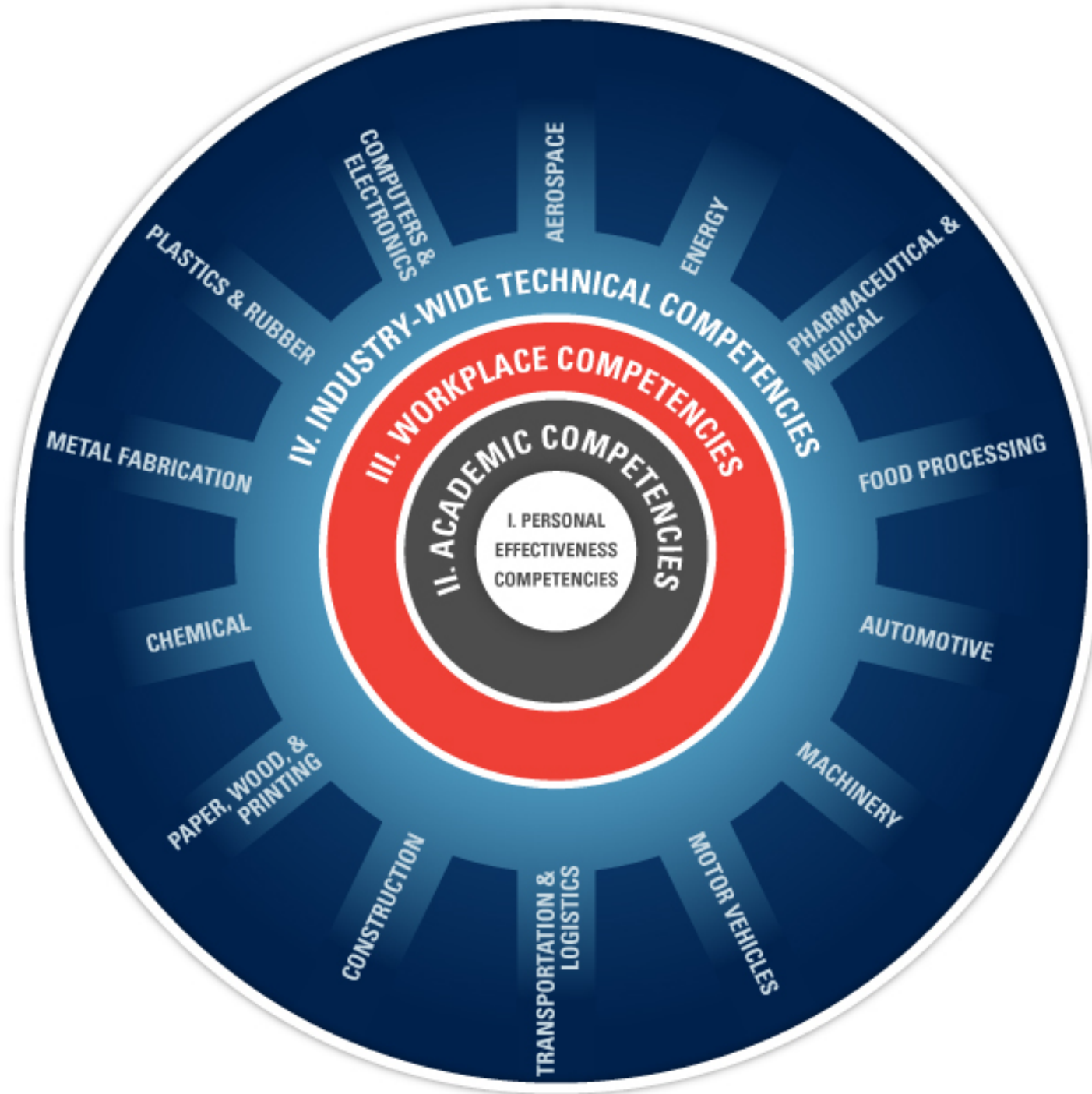
Skills Certification System

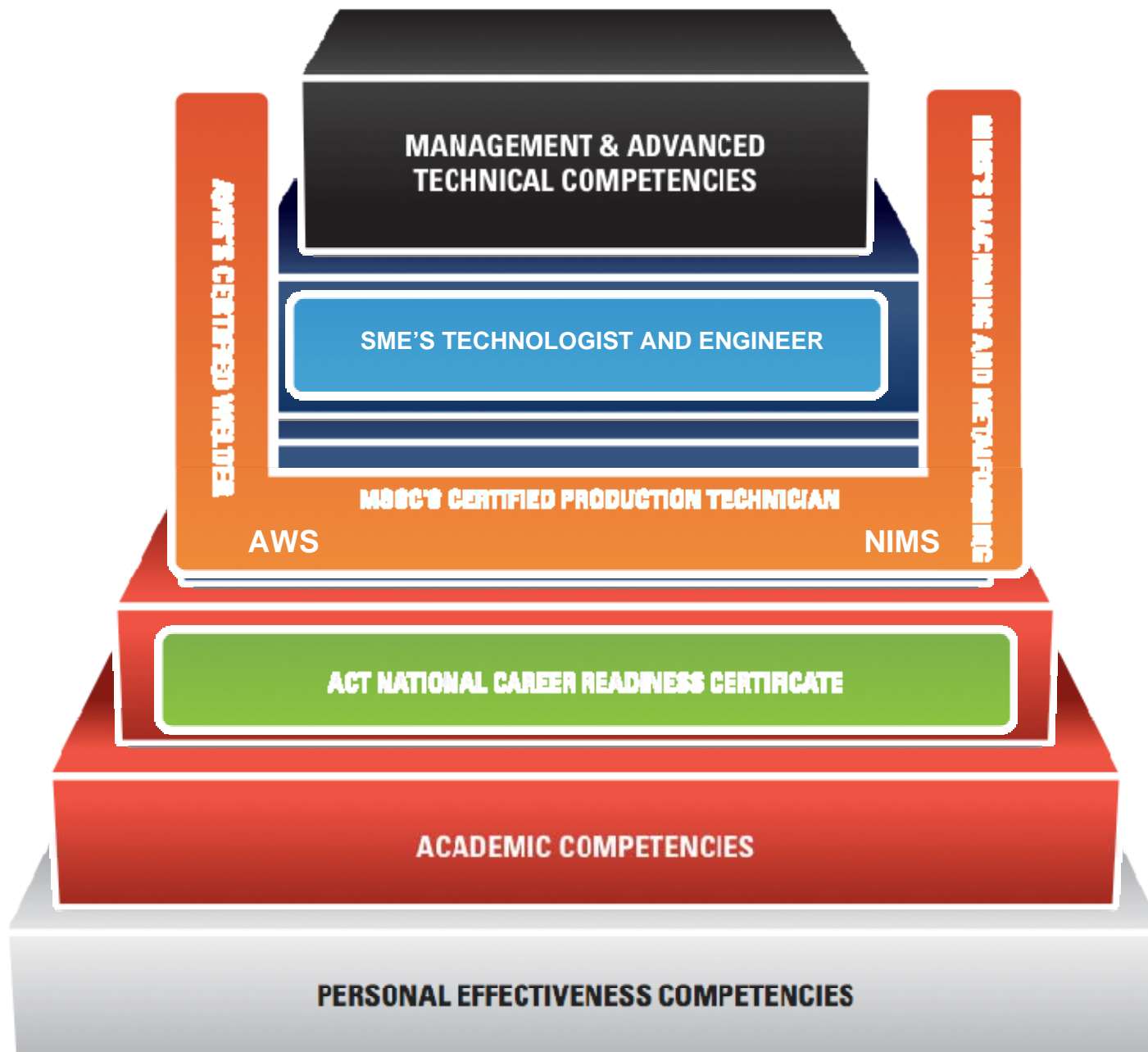
Producing a High-Performance Manufacturing Workforce

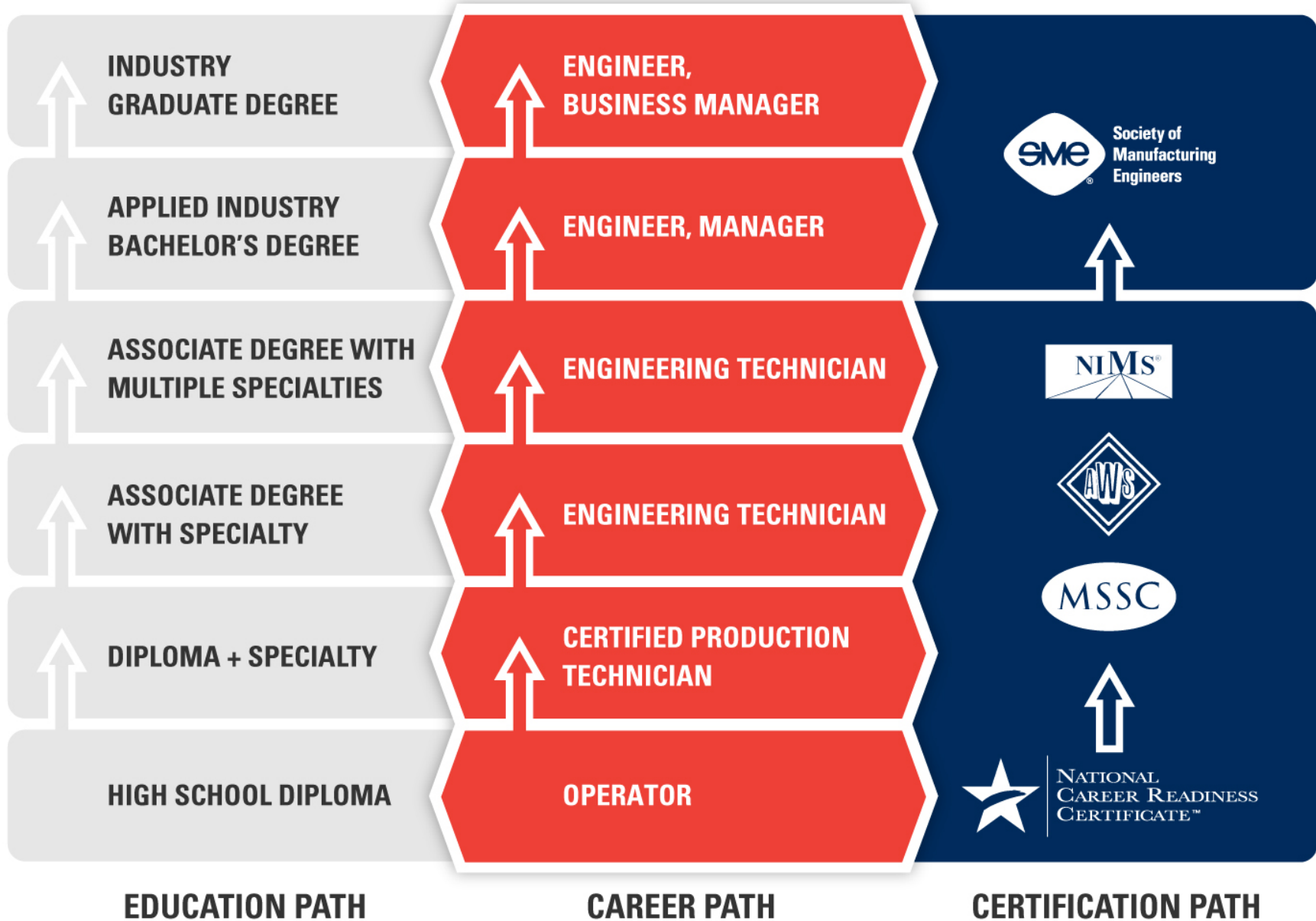
Providing competency-based, customized education and training for the manufacturing workforce...today and tomorrow

Advanced Manufacturing Competency Model

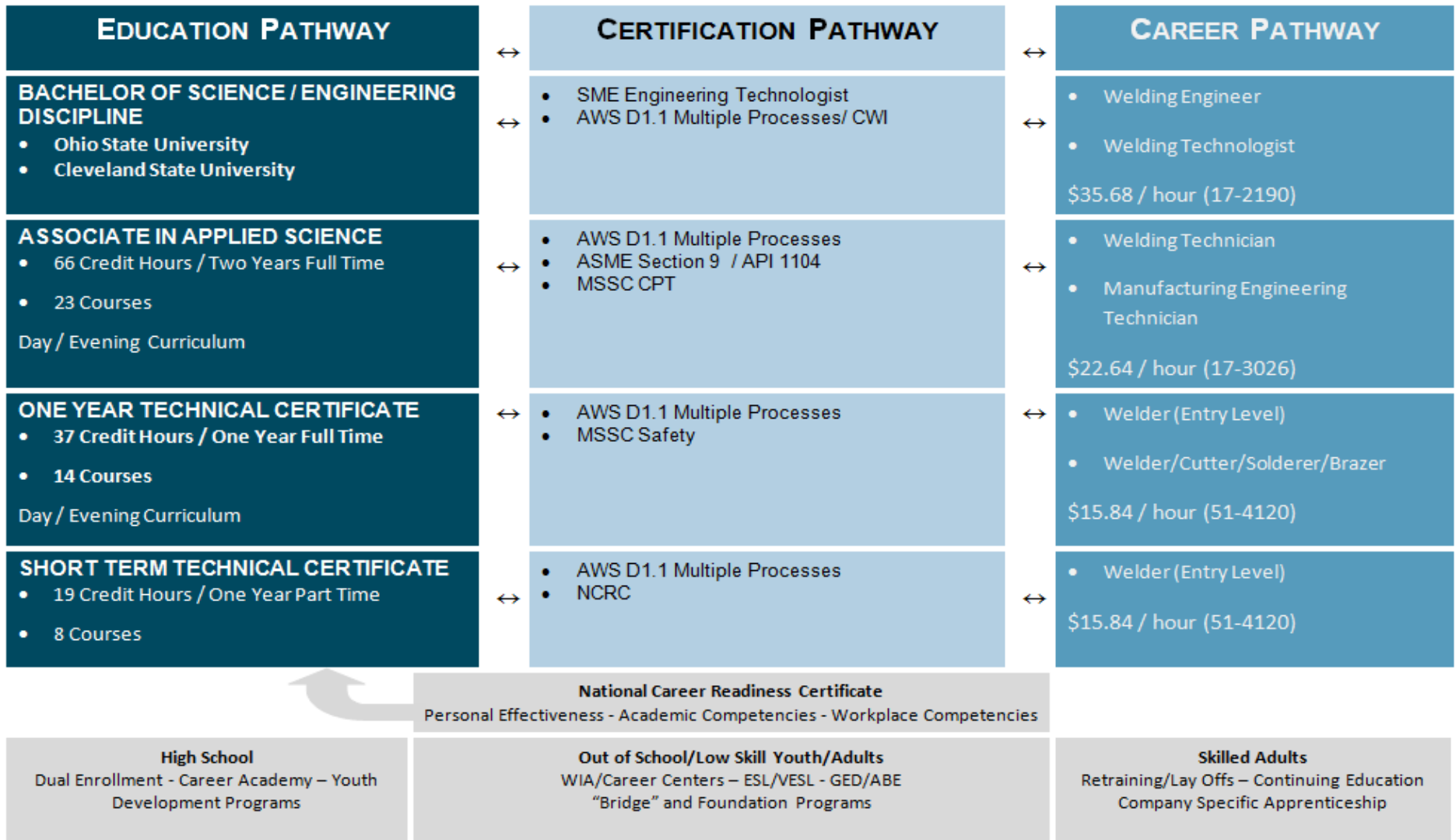








ALIGNING EDUCATION, CERTIFICATION, AND CAREER PATHWAYS *For the Welding Industry at Lorain County Community College*



Recruiting Students Into STEM Careers

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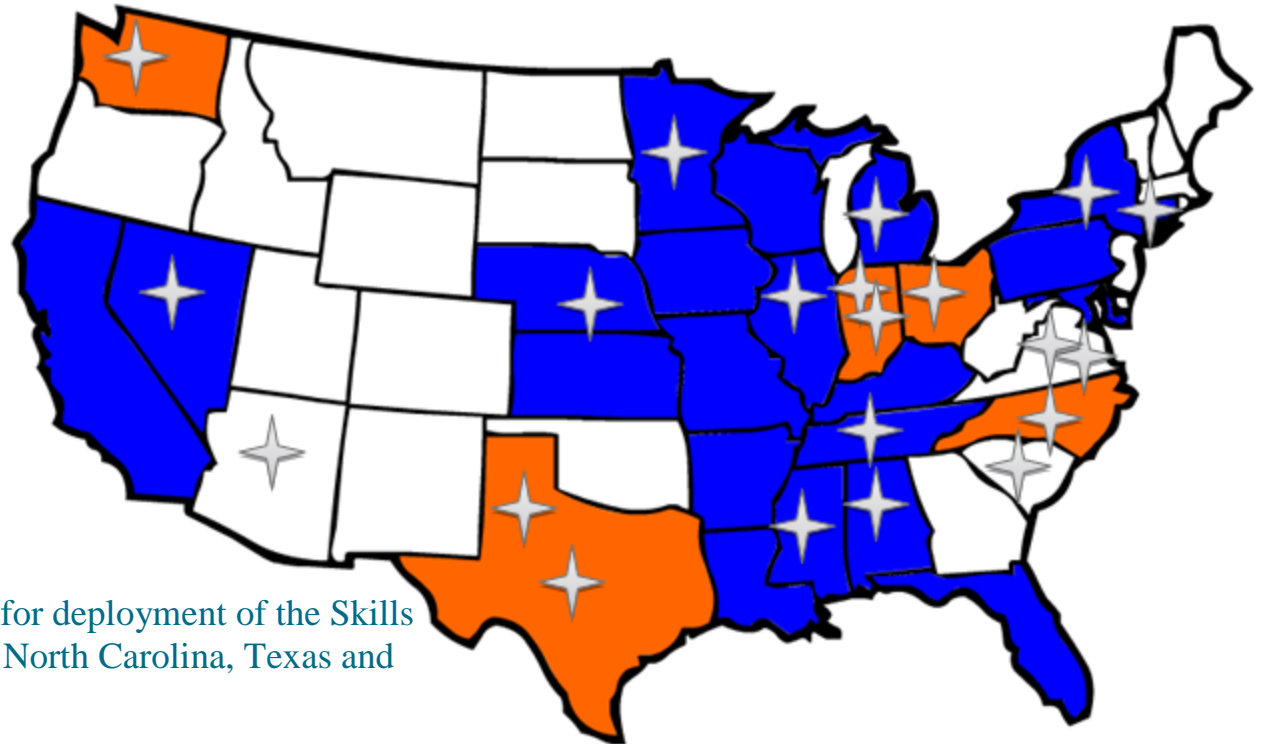
Dream!t Do!t[®]





- Promotes understanding of advanced, high-tech manufacturing and its contribution to innovation
- Promotes a modern image of manufacturing
- Promotes strong regional, cluster-oriented, pro-manufacturing partnerships
- Serves as an initial channel into aligned educational pathways in post-secondary education and career pathways

Deployment and National Scope

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 States funded by foundation support for deployment of the Skills Certification System (Indiana, Ohio, North Carolina, Texas and Washington)

 States with grassroots efforts advocating for deployment of the Skills Certification System (Alabama, Arkansas, California, Connecticut, Florida, Illinois, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New York, Pennsylvania, Tennessee, Wisconsin)

 Sites part of the Dream It! Do It! network

Expanding the Model

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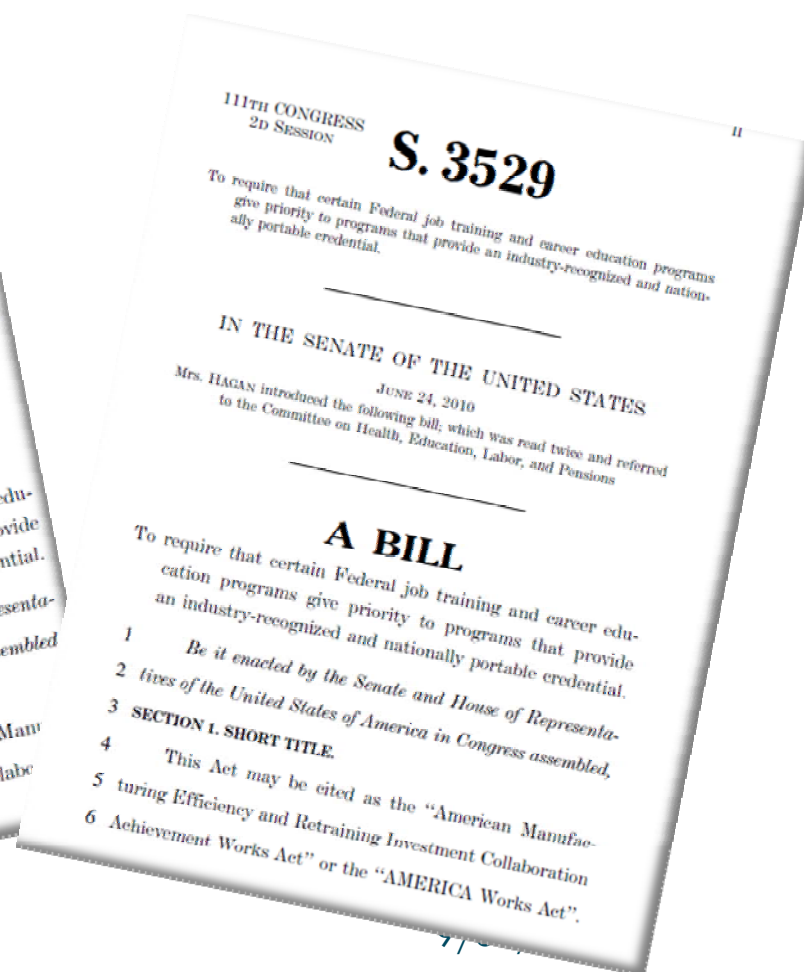
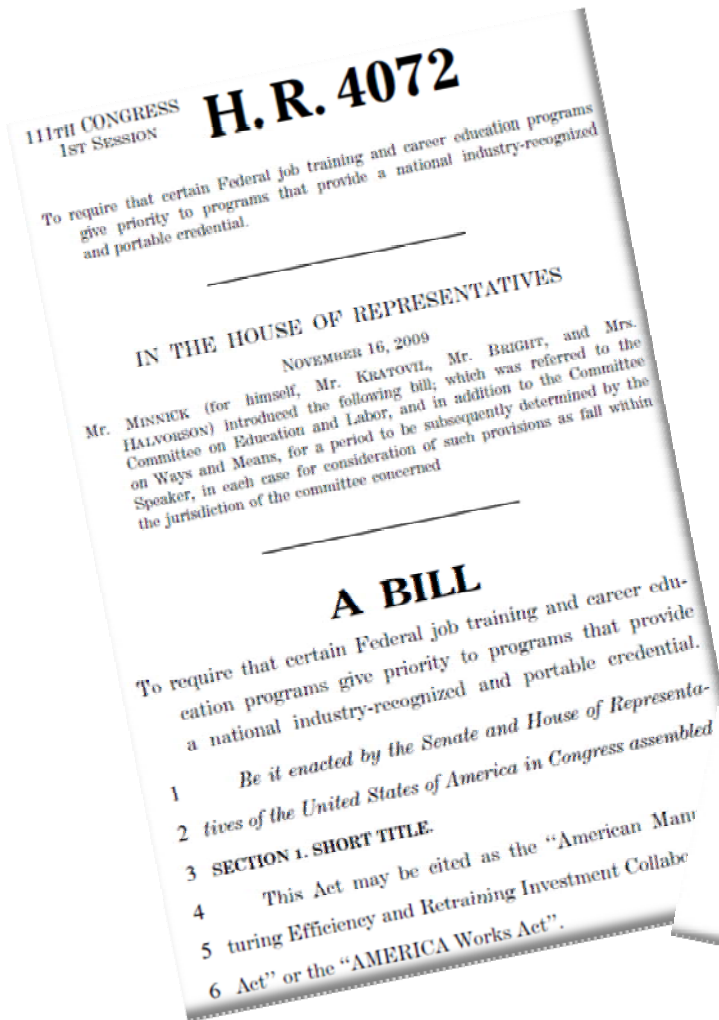
Priority Sectors Include:

- ▣ Aerospace/Defense
- ▣ Automation
- ▣ Life Science: Biotechnology, Pharmaceutical & Medical Device
- ▣ Construction
- ▣ Energy
- ▣ Plastics and Composites
- ▣ Transportation, Distribution, and Logistics



Championing National Legislation

America Works



A “Win-Win” Scenario

