

Filling the Skills Gap: Pathways to Manufacturing Careers Buffalo, NY

Jacey Wilkins
Director of Communications
The Manufacturing Institute
7/24/12

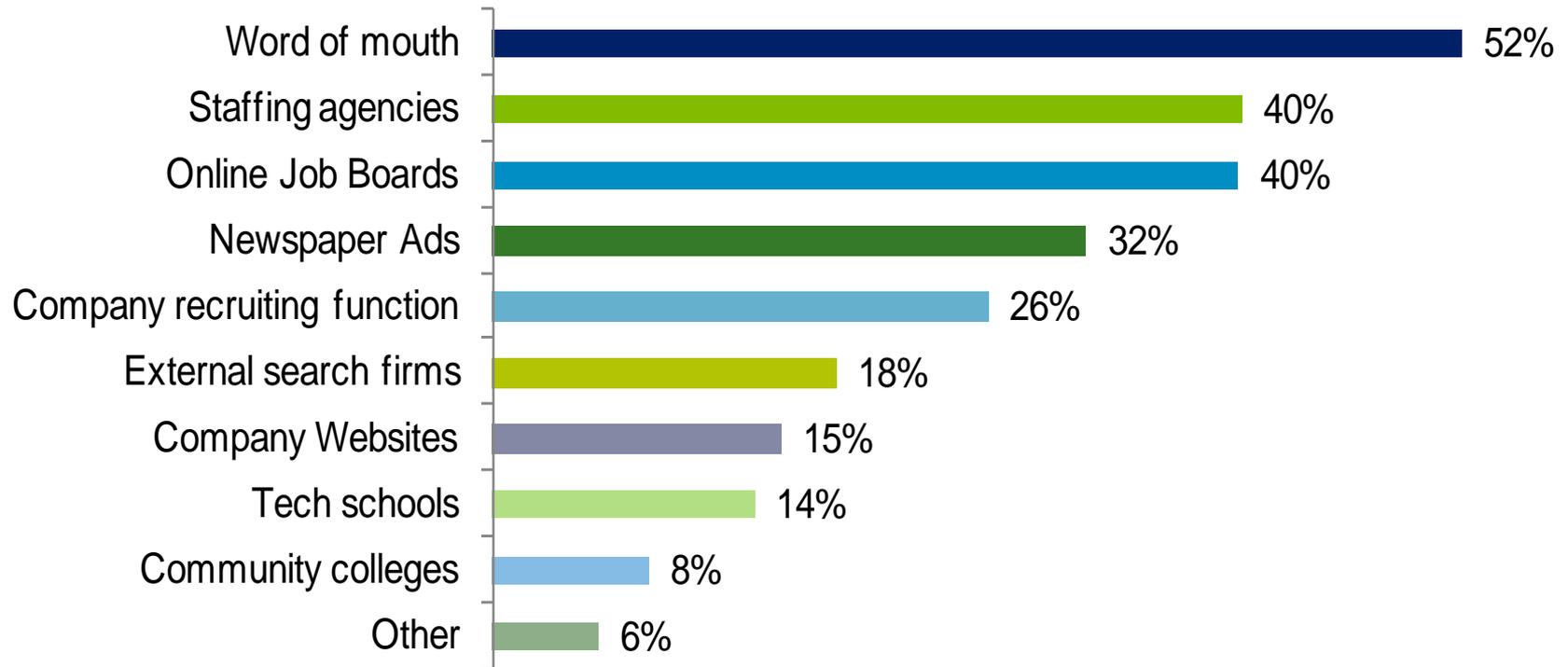
80%

The Skills Gap in Manufacturing

- 82% of manufacturers report a moderate or serious skills gap in skilled production.
- 74% of manufacturers report that this skills gap has negatively impacted their company's ability to expand operations.
- 69% of manufacturers expect the skills shortage in skilled production to worsen in the next 3-5 years.
- 5% of all jobs in manufacturing unfilled due to lack of qualified workers.

Manufacturers Need New Workforce Strategies

Top sources for new employees



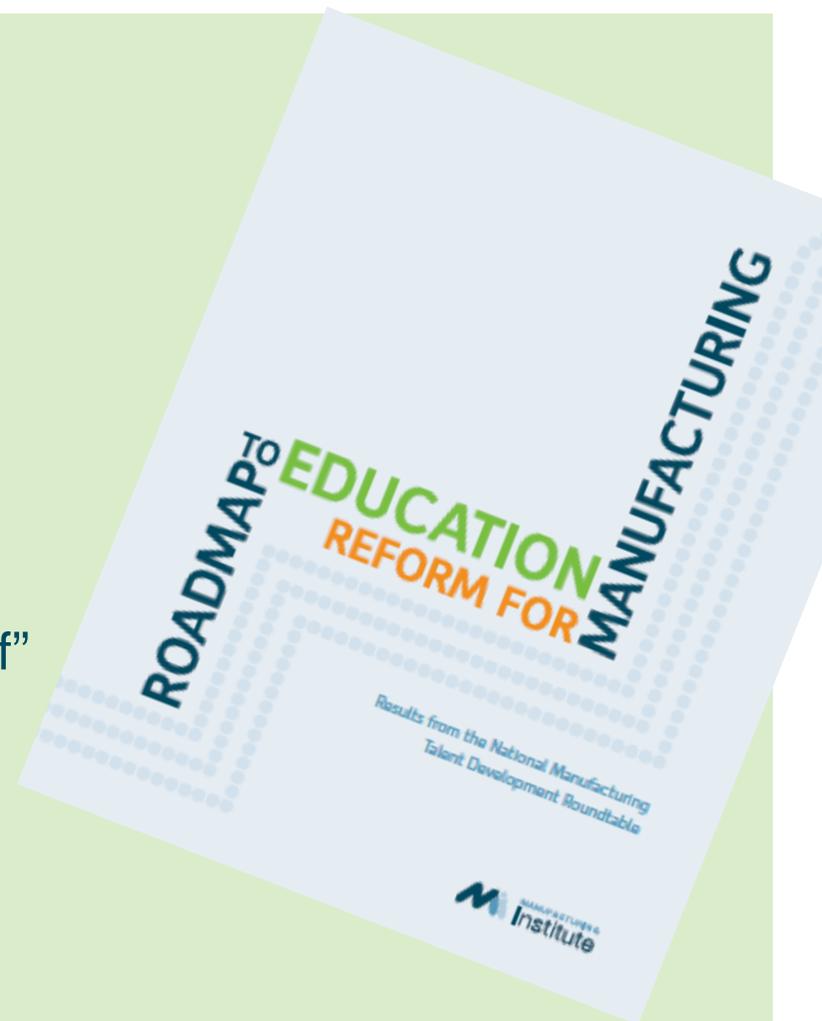
Roadmap to Education Reform for Manufacturing

Manufacturers support policies at every level of education to improve the talent pipeline.



Manufacturers support:

- Technology-infused postsecondary education alternatives;
- Competency-based postsecondary pathways;
- Compressed secondary-postsecondary learning;
- Accelerated pathways to credentials and more “on and off” ramps to postsecondary education;
- More Learn & Earn programs of study;
- More internships and mentorships.



Paths to Manufacturing Through Education

The Need

- A highly educated and skilled workforce for U.S. manufacturing
- Increased graduation rates, post-secondary enrollment and completion, and advanced-education attainment
- Excitement about STEM and awareness of high-paying, high-quality manufacturing careers

The Solution

- **Technology-infused**, more “life-relevant” education
- Increased access to post-secondary degrees and **industry-recognized credentials**
- Clear career pathways aligned to **competency-based education** and certification programs
- **Excitement about STEM** and awareness of high-paying, high-quality manufacturing careers



MANUFACTURING
Institute

Skills Certification System



***PROVIDING COMPETENCY-BASED, CUSTOMIZED
EDUCATION AND TRAINING FOR THE
MANUFACTURING WORKFORCE...TODAY AND
TOMORROW***



THE NATIONAL ASSOCIATION OF MANUFACTURERS ENDORSED
Skills Certification System

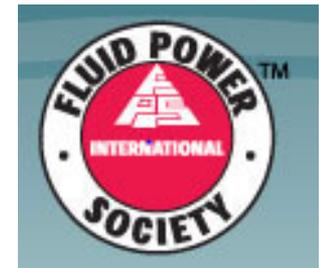
Producing a High-Performance Manufacturing Workforce

Founding Partners

ACT[®]



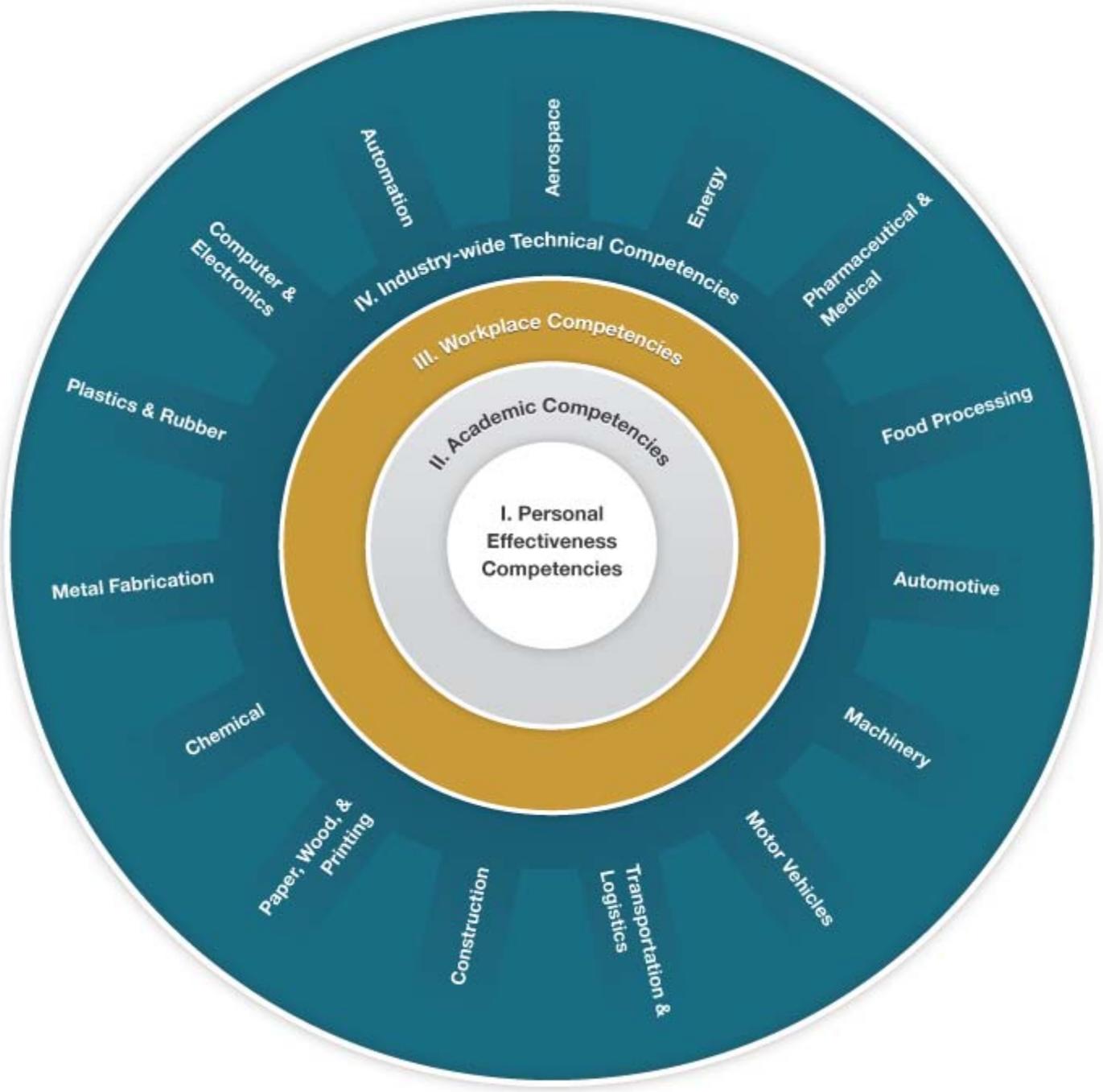
Partners

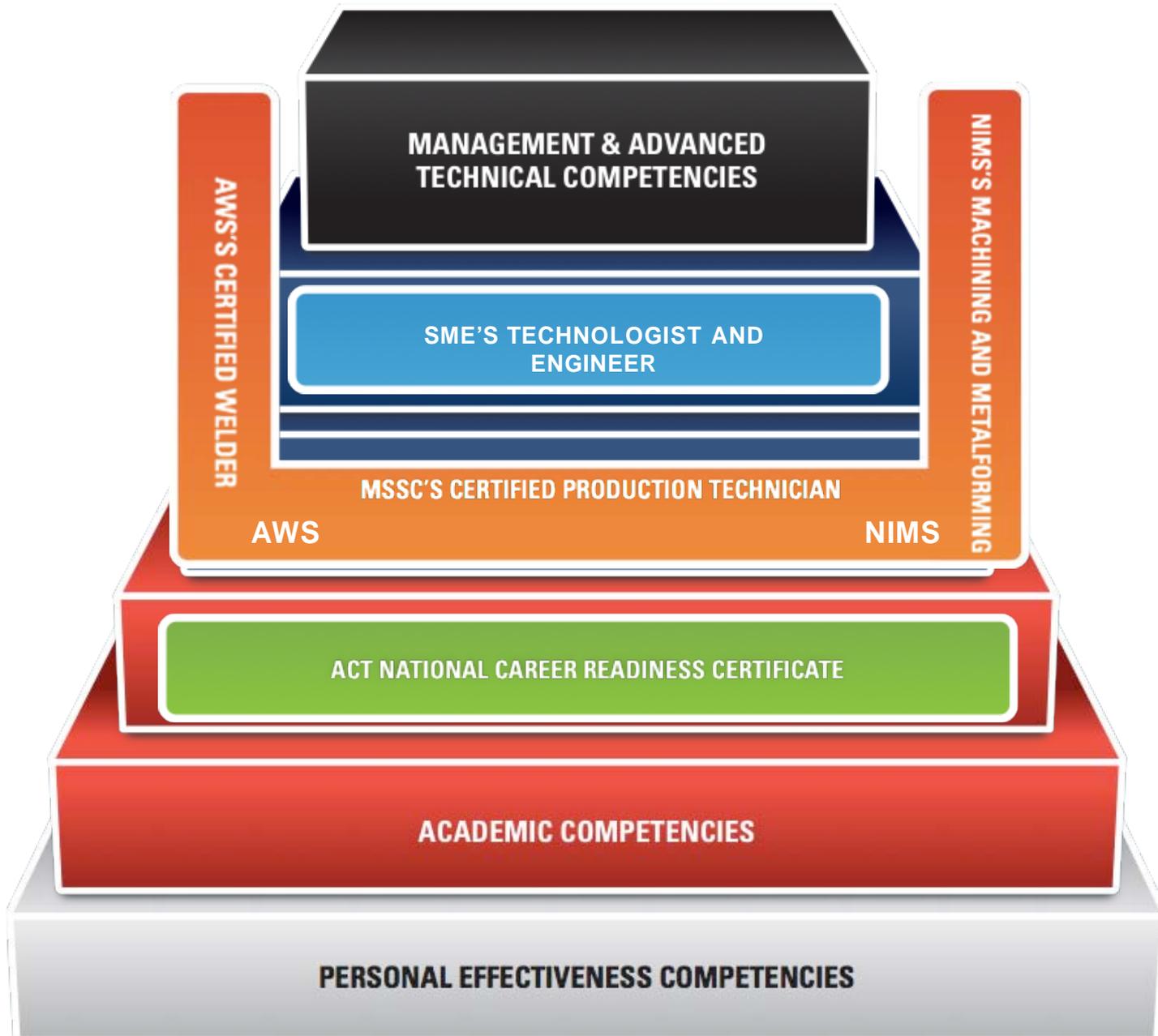


The NAM-Endorsed Manufacturing Skills Certification System



- Aligned to the Manufacturing Competency Model
- Nationally Portable
- Third-Party Validated (ISO/ANSI Preferred)
- Industry-Driven
- Data Based and Supported







Education Path

Certification Path

Career Path

2011 Distribution of Manufacturing Industry Certifications by State

New York: 1541 certifications in 2011

