

# **How Can Innovation & Creativity Be Scaled For Greater Impact?**

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# American Graduation Initiative

To lead the world with the highest proportion of college graduates by 2020

**5 million** more community college graduates



# National Governors Association Initiative

**8.2 million more  
college graduates by 2020**

- Major focus on adult learners
- Cannot meet goal with recent high school grads



# Lumina Foundation for Education's "Big Goal"

Increase the level of high-quality College  
degrees and credentials to

**60% by 2025**

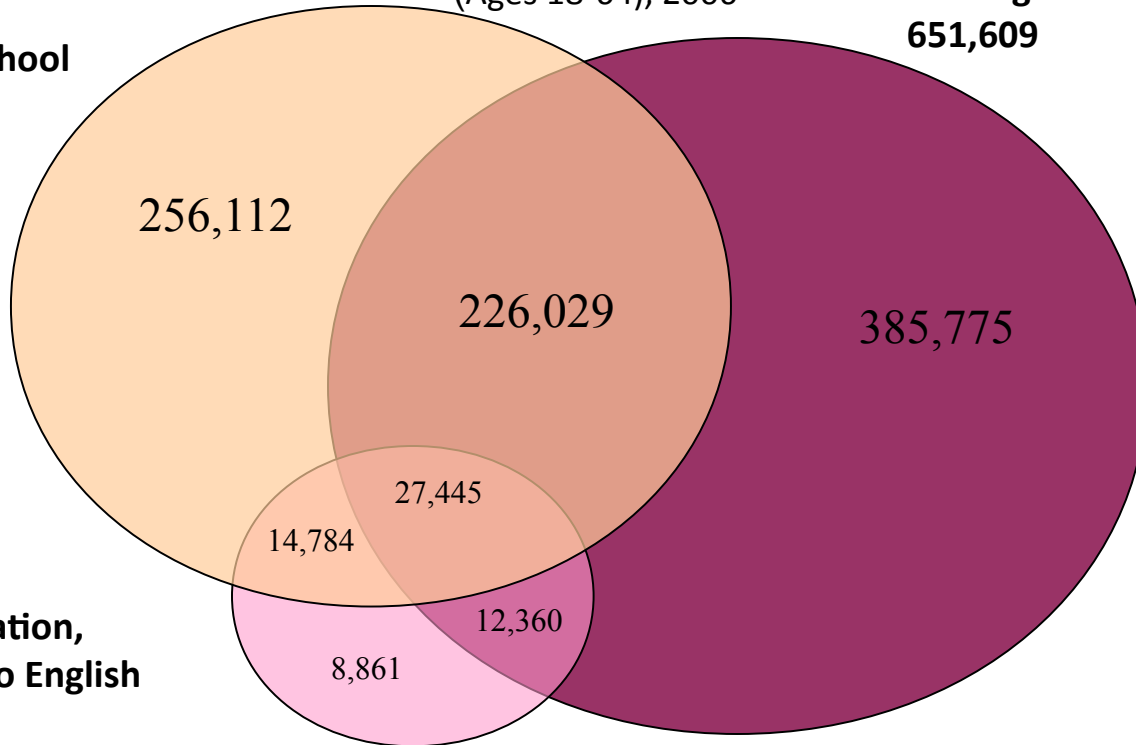


# Indiana Adults in Need of Education and Training

(Ages 18-64), 2006

No College Education,  
Earning Less than a Living Wage  
651,609

No High School  
Diploma  
524,370



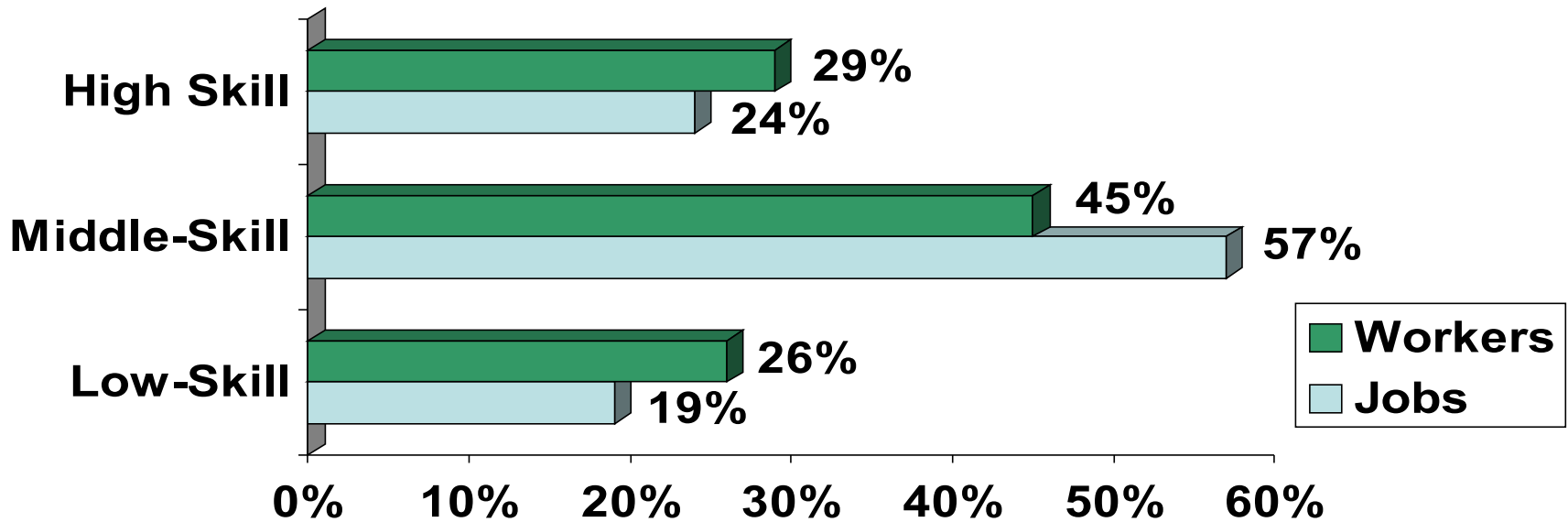
No College Education,  
Speak Little or No English  
63,450



# Indiana's Skills Mismatch: A Middle-Skills Gap

In 2007, about 57% of Indiana's jobs were in middle-skill occupations. But only 45% of the state's workers have the appropriate training for these jobs.

## Indiana Jobs and Workers by Skill Level, 2007



Source: Indiana Department of Workforce Development



# Future Challenges for Indiana's Workforce

- Not a culture of expectation for higher education
- Large numbers of retirements across all industry sectors
- Mismatch between available jobs and workers' skills
- Need for remediation
- Keeping workers and companies globally competitive
- Determining what credentials employers value
- No funding for non-credit training



# Challenges for Community Colleges

- Dramatic growth in enrollment
- Ensuring students identify their educational objectives
- Need to improve graduation rates
- Reduced funding
- Reduce the need for remediation
- Diverse student populations with many needs
- Need to increase mobility through transfers



# Ivy Tech Institutional Profile

- Indiana's statewide community college system
- Largest public institution in Indiana
- Fastest growing public institution in Indiana (166,000+)- 59% growth since 2005
- 42% of undergraduate enrollment in Indiana
- 23 campuses across Indiana
- Lowest tuition in Indiana



# Ivy Tech's Broad Reach

- 23 campuses,
- 53 learning sites
- Lake Michigan to the Ohio River
- 36,420 square-mile service area



# Accelerating Greatness -2013 Strategic Plan

## Institutional Values

Excellence

Diversity

Integrity

**Innovation**

Student-centered

Faculty/Staff-focused

Community Engagement



# What can we do to bring innovation to scale?



# Flexible Delivery Models

- Customized training
- Open Enrollment
- Certification-based courses and exams
- Accelerated Programming
- Distance Learning
- Rapid Response Teams
- Pre-employment testing and other services
- Contextualized learning



# Completion Initiative

Accelerated Associate Degree (2010)

“New Tech High” for Associate Degree

Recruited and remediated while in high school

Full-Time / 5 days week

12 months to degree

Case management model



# Future Completion Initiatives

## Technology Institute of Indiana

- Full-Time/5 days a week
  - 12-15 months to completion
- School of Technology Programs
  - HVAC, Welding, Automotive, CIT
  - New approaches to remediation
- Modeled after Tennessee Technology Centers
  - 70% Completion



# Workforce Certification Centers

24 certification testing centers statewide

4,000 nationally –recognized exams available through high-stakes testing centers

Administered 222,633 assessments and 43,775 certification exams in 2009-2010

30,136 new credentials awarded



# Using Prior Learning as a Tool

- Shortens time to degree
- Saves money for students and employers
- Certification Crosswalk at:  
[www.ivytech.edu/prior-learning](http://www.ivytech.edu/prior-learning)



# Partnering with Construction Industry

Pilot AAS Degree program with 4 apprenticeship programs in 1993-94

Today we partner with 14 Trades at 67 Sites

5,469 apprentices enrolled in AAS programs in 2010-11

Over 2,400 Journeypersons in Upgrade courses

767 associate degrees awarded in 2009-2010



# Innovative Remediation Strategies

Contextualization

Embedding of technical material and examples

More refinements in placement

More preparation for tests



# Society of Innovators of Northwest Indiana

To encourage visionaries and dreamers

To create a Culture of Innovation

Selects 6 innovators each year as Fellows in the Society

The Chanute prize for Team Innovation



# Recent Innovative Training Projects

- Deaconess Hospital- Electronic medical records
- Biotechnology “Boot Camps”



# Partnerships with University/Colleges/Foundations

Major Grants Awarded

**Lumina Foundation for Education (Ivy Tech led/Indiana University),** Adult Degree Completion (\$784,200)

**U.S. Department of Energy (Ivy Tech led/Purdue ),** Smart Grid Training (\$4,699,353)

**US Department of Energy (Purdue University led/Ivy Tech),** Advanced Electric Vehicle Training and Education (\$1,097,353)

**National Science Foundation, (Purdue University Calumet led/Ivy Tech),** Meeting Workforce Needs for Mechantronics Technicians (\$129,797)

**National Science Foundation (Ivy Tech led/IU Bloomington),** Technical Training In Southern Indiana (\$549,798)



# Support the Globalization of Indiana's Workforce

More Partnering with Companies

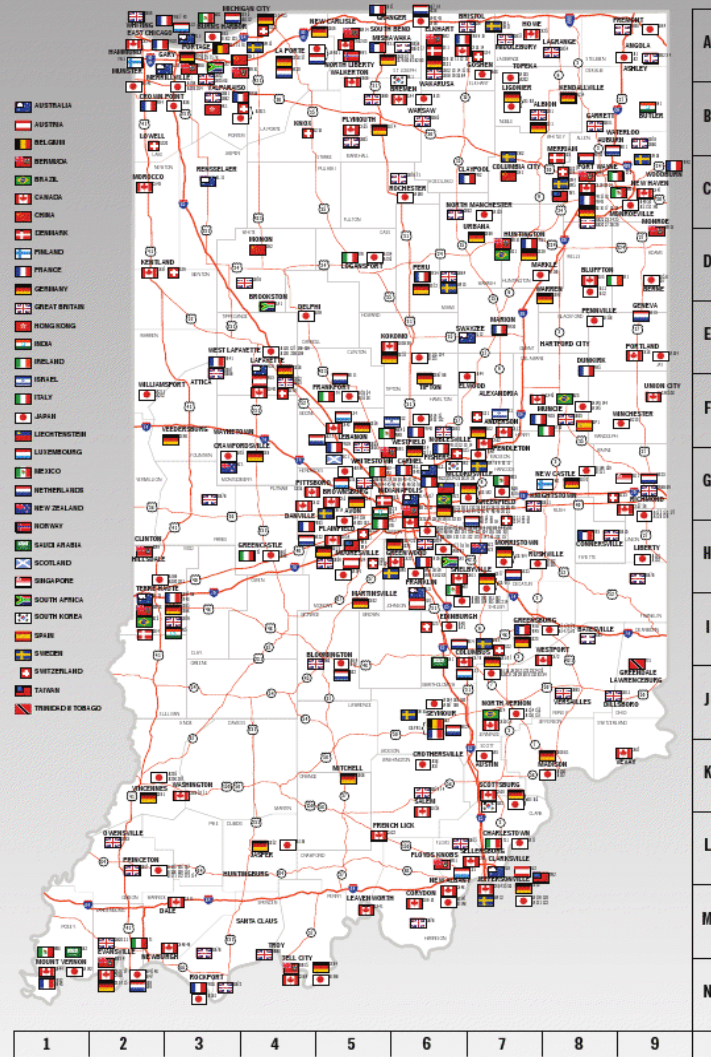
Title VI grant with Indiana University

International Studies Certificate in Cultural Competency

New courses in language and culture



# Indiana Companies With Foreign Investment



www.locationindiana.com  
800.688.0688

Contributing Partners: Indiana Chamber of Commerce, Indiana University Kelley School of Business, Indiana Business Resource Center



# For Questions and Comments, Contact:

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