



Southern Automotive Conference, October 9, 2014

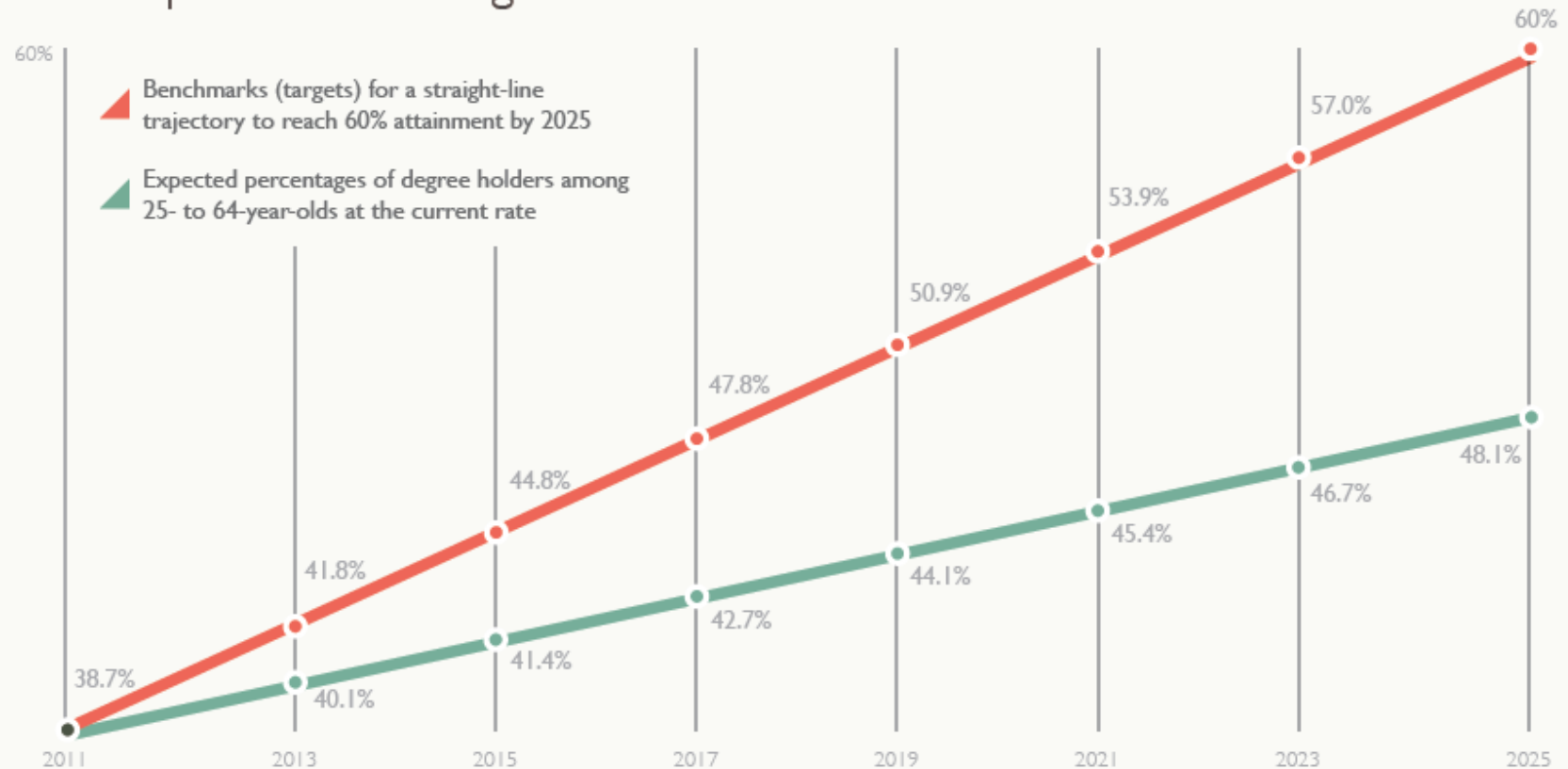
# Clemson University Center for Workforce Development

**CUCWD**

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# Workforce Development & Higher Ed

The path to 60% degree attainment in the United States

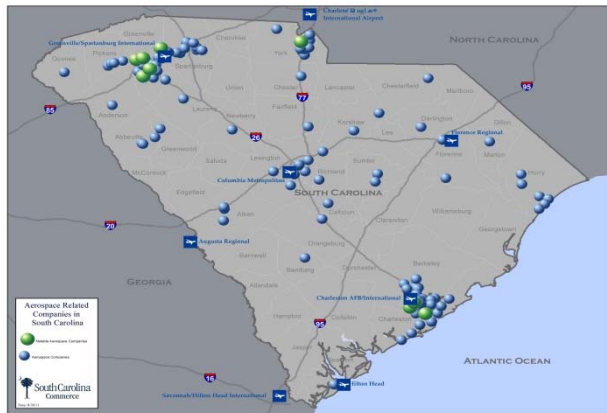


Source: U.S. Census Bureau, 2000 Census, 2010 & 2011 American Community Survey

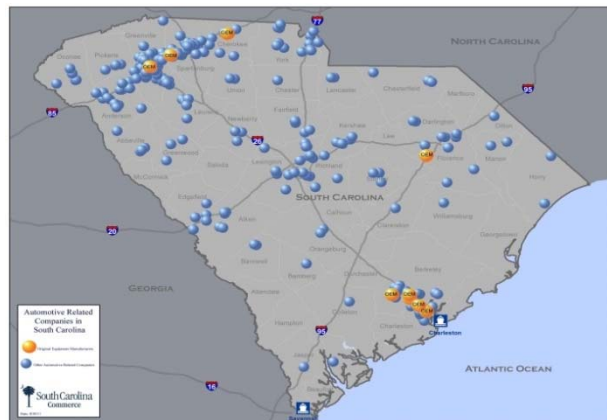
**\*63% of all jobs will require postsecondary education by 2018\***

# A Statewide Resource

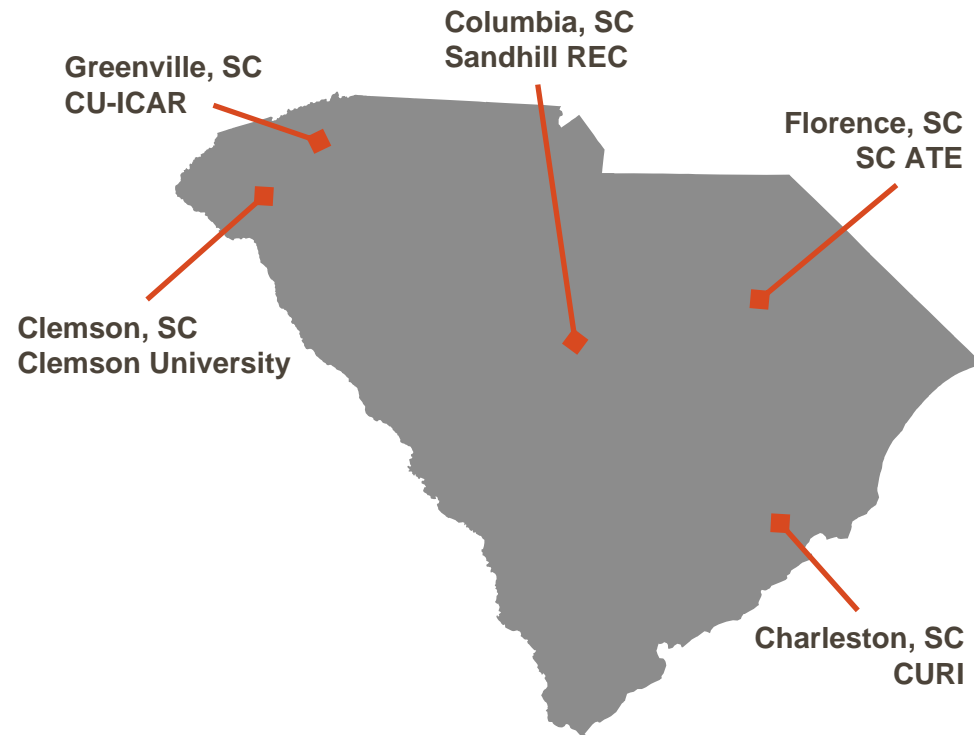
## SC Workforce Innovation Centers



Aerospace Industry Locations



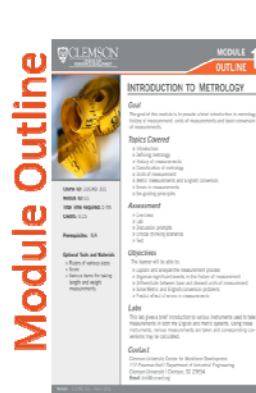
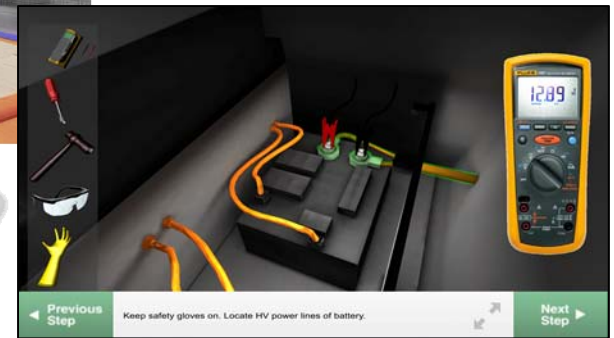
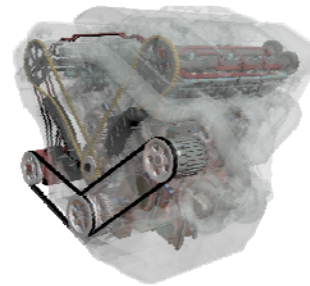
Automotive Industry Locations



# CAVES



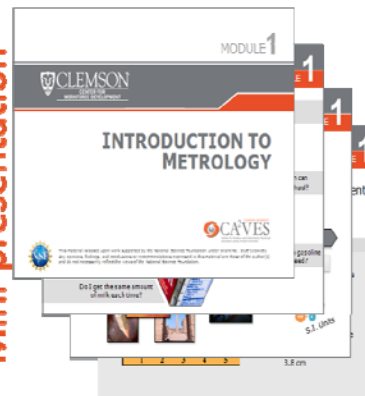
# 1. Digital Learning Tools



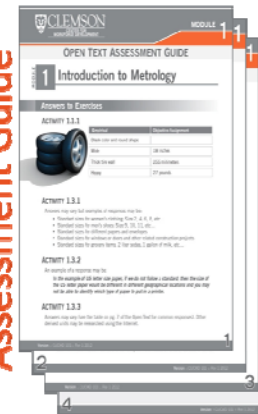
Open Text



Mini-presentation



Assessment Guide



## 2. Pathway Development

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More than 40% of jobs in Manufacturing will require postsecondary education by 2018.

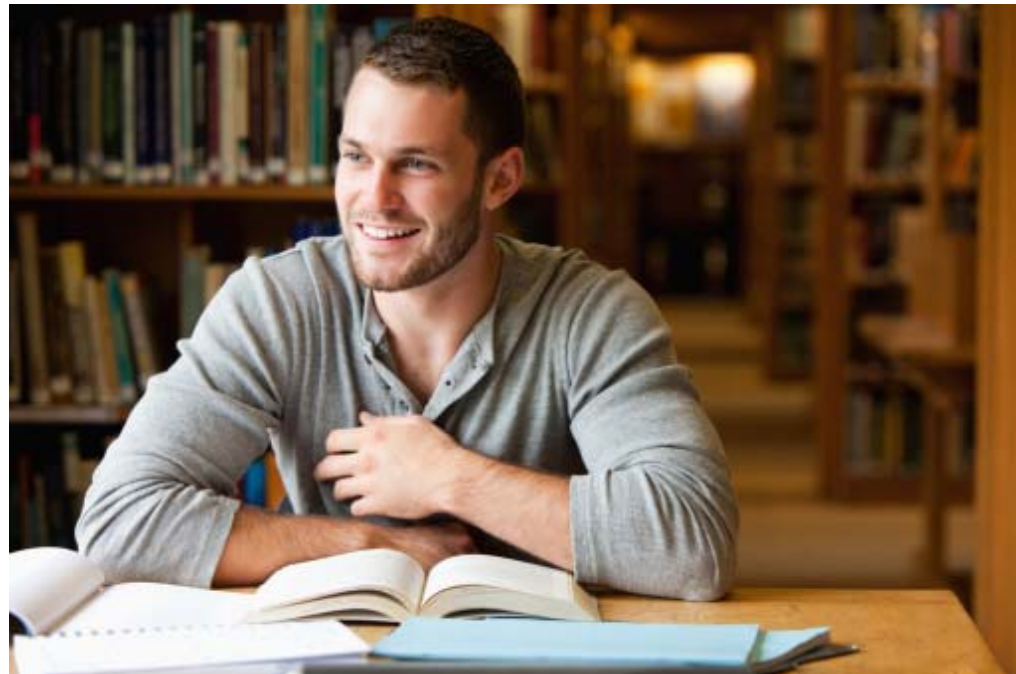
1. Stackable Certificates

2. Creative Way to Address Credentials

3. Innovative Articulation Programs

4. Industry Role in Curriculum Development

5. Communication and Strategic Partnerships



“A lifelong educational journey.”

# 3. P-12 STEM Education

## P-12: Expose, Explore, Immerse

**STEM:**  
**1.8 jobs** for every  
**1 unemployed person**



**Non-STEM:**  
**5.0 unemployed**  
**people** for every **1 job**



### Expose: Elementary School

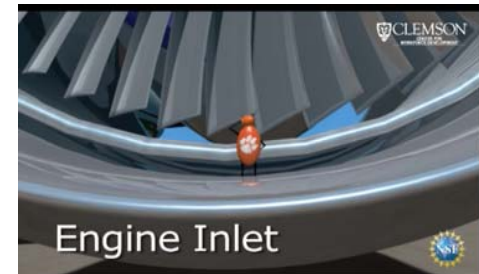
- Videos and virtual reality lessons
- Speakers

### Explore: Middle School

- Career fairs
- Virtual reality lessons
- Plant tours

### Immerse: High School

- Certificates
- Apprenticeships
- Professional development



## Number impacted through funding opportunities: 18,181

- 60% of school districts
- 70% of 2-year colleges
- Five 4-year colleges
- Nonprofits and 5 STEM-Focused groups



# An Innovative Pathway

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Fisher Middle School



NEXT High School



Greenville Technical College  
Center for Manufacturing Innovation



Clemson University  
Undergraduate BS



CU-ICAR  
Automotive Engineering

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Research, Industry Commitment, Economic Development, Activities/Camps

# 4. Research, Advocacy & Networking

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## Research

- Learning outcomes
- Navigability and VR simulations
- Problem based learning
- Workforce development issues

## Advocacy

- Educational institutions
- Public perception
- Industries
- State and Government Entities
- Community Based Organizations

## Networking

- Access to resources and information
- Subject matter expertise
- Connectivity to stakeholders
- Communication of issues





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