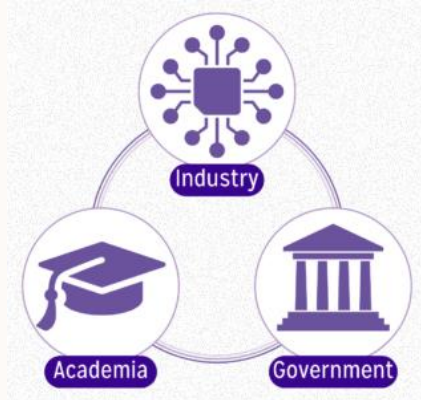


# NIST RAMPS: Building America's Cybersecurity Workforce



The Regional Alliances and Multistakeholder Partnerships to Stimulate (RAMPS) program addresses America's critical cybersecurity talent shortage through strategic collaboration.

This National Institute of Standards and Technology initiative aligns education with education with industry needs across regions nationwide.



**by Dr. John Sands**

JS



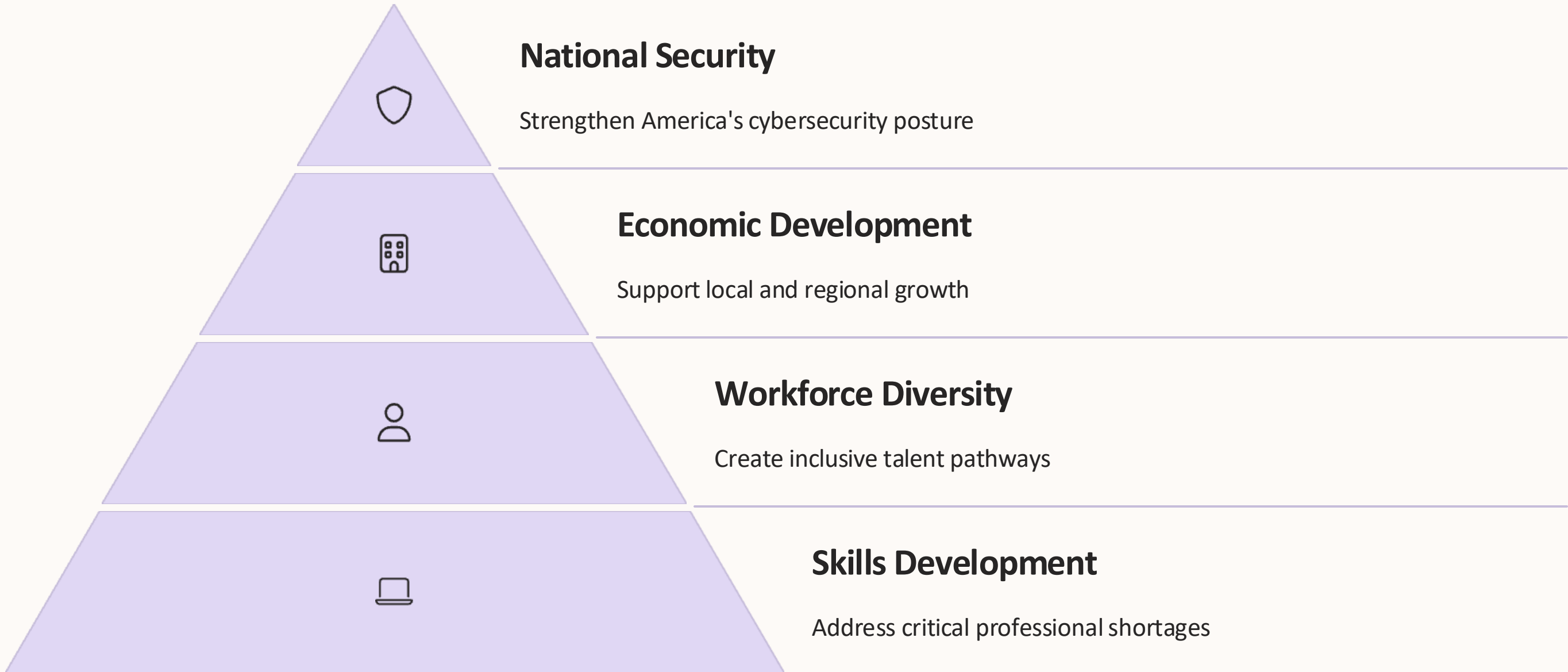
# Our RAMPS Team

## Our Team

- **Dr. John Sands** - Project PI, NCAE Educational Pathways National Center
- **Dr. Kristine Christensen** – Faculty, RAMPS Director
- **Stanley Kostka** - RAMPS Community Director, Former Midwest NCAE
- **Jiri Jirik** - Project Manager, Industry Certification Expert
- **Michael Gonzalez** - Project Graphic Artist, Publications, and Social Media



# RAMPS Program Objectives



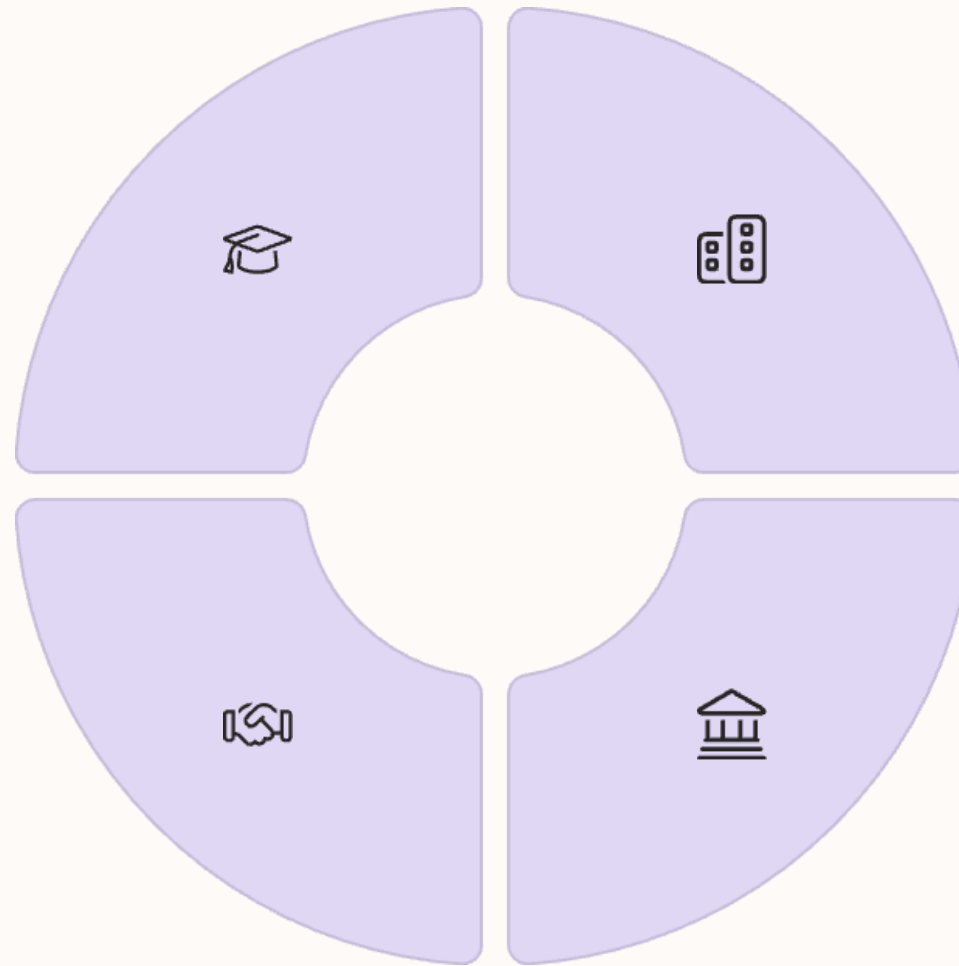
# Key Stakeholders in RAMPS

## Academia

CAE Institutions, Universities, Colleges, Community  
Community Colleges, and K-12 schools

## Non-Profits & Community Groups

Supporting workforce development  
initiatives



## Local Employers

Businesses and industry partners needing  
needing cybersecurity talent

## Government Agencies

Federal, state, and local partners



# RAMPS Funding and Support

\$3.6M

Total Funding

Cooperative agreements awarded in 2024

\$200K

Per Organization

Average grant to each recipient

18

Organizations

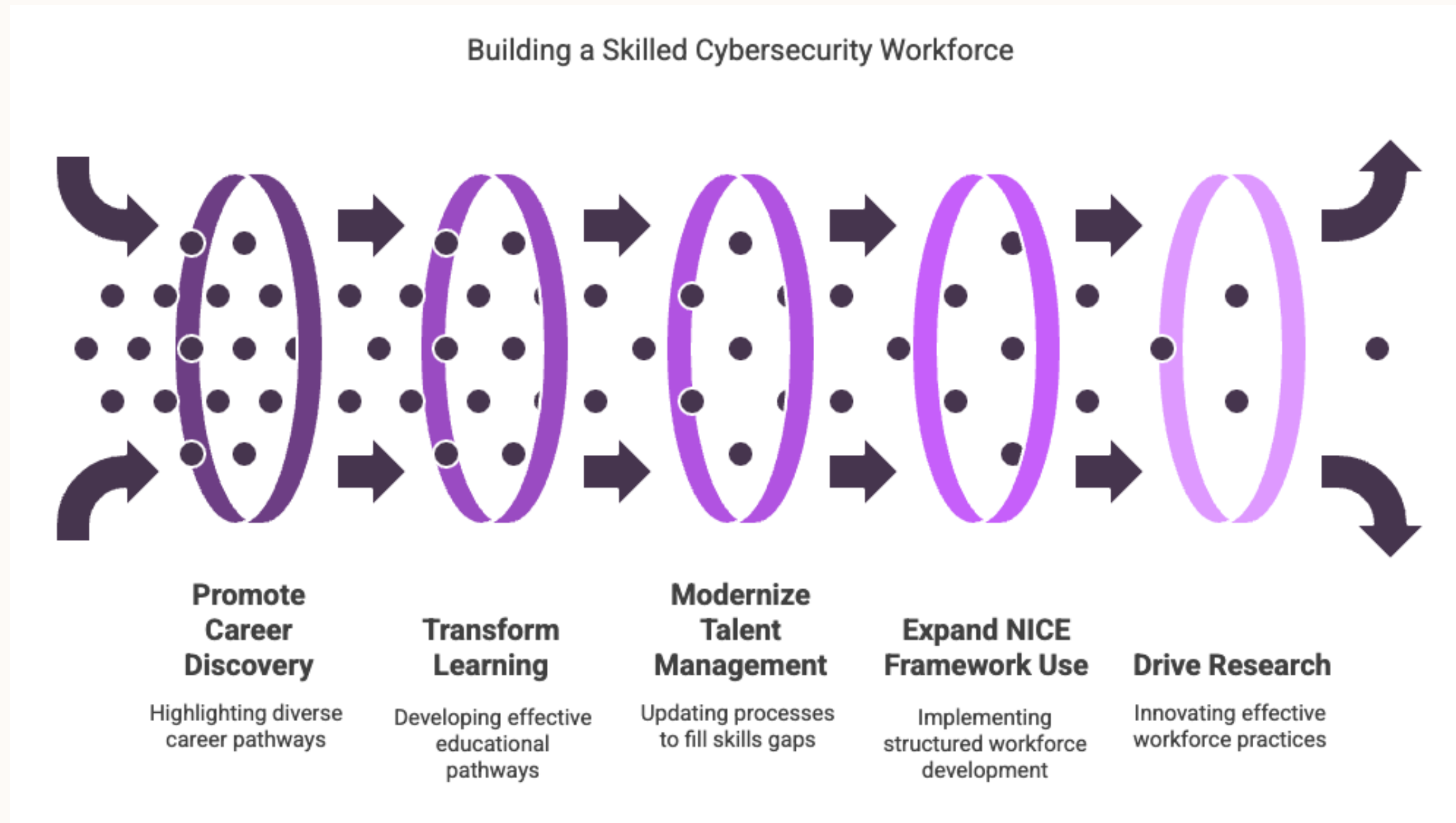
Education and community groups funded

15

States

Geographic distribution of recipients

# RAMPS Project Goals







# RAMPS Project Examples



## Curriculum Development

Creating specialized cybersecurity courses for high schools and colleges.



## Work-Based Learning

Coordinating internships and apprenticeships with industry partners.



## Competitions & Bootcamps

Running hands-on cybersecurity challenges and intensive skill-building programs.



## Professional Development

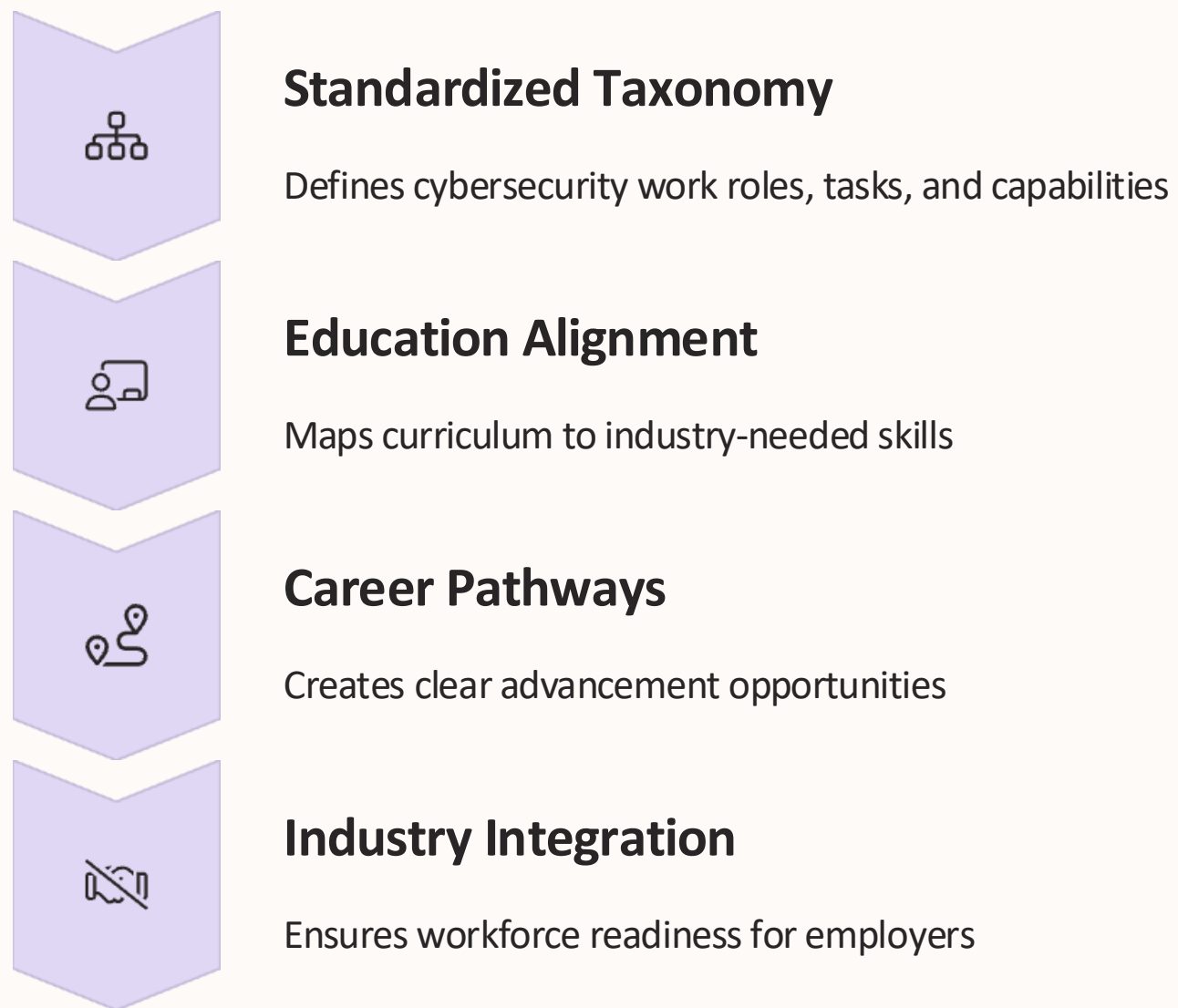
Delivering training for educators and career-changers.



## Economic Development

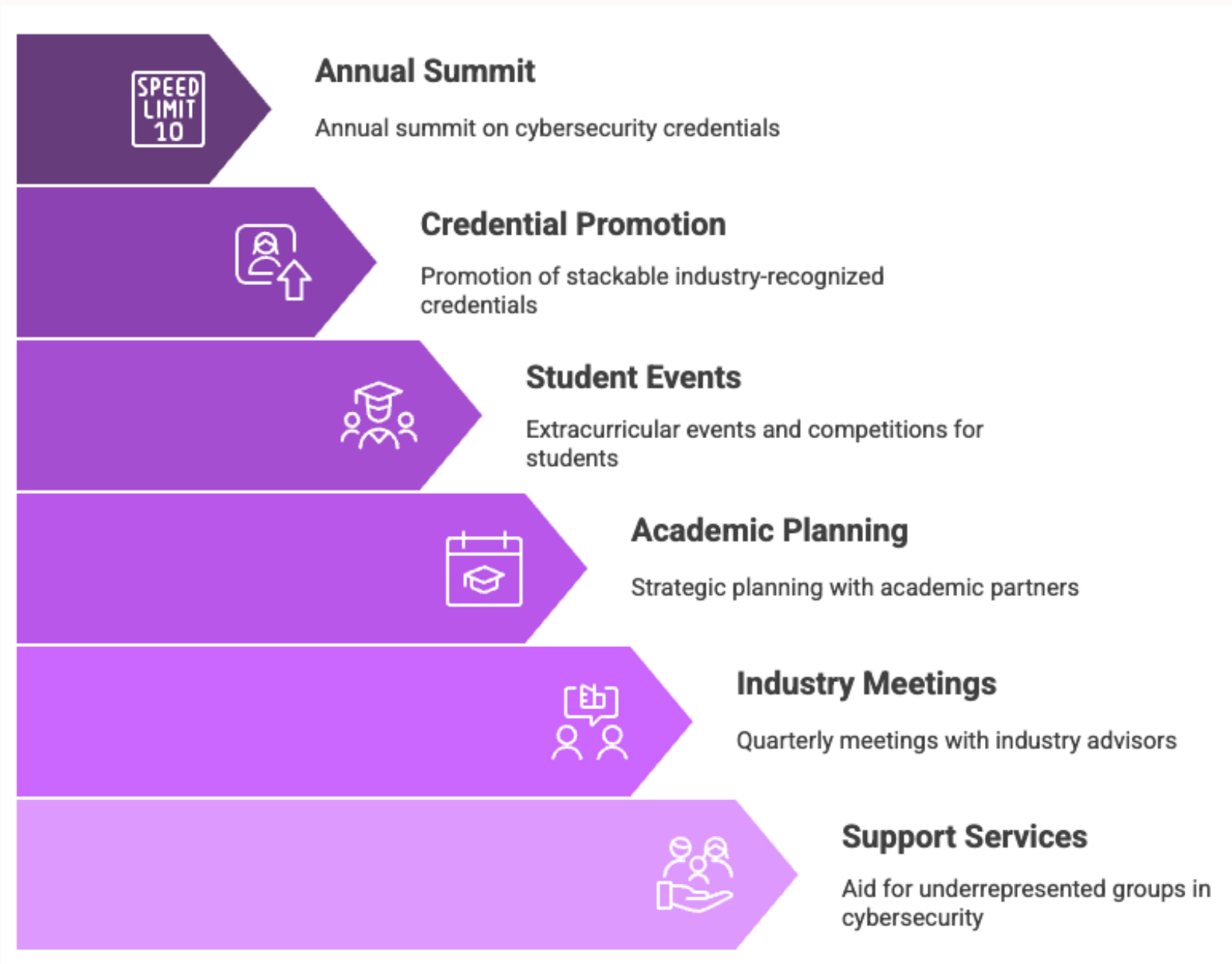
Delivering training for educators and career-changers.

# NICE Cybersecurity Workforce Framework

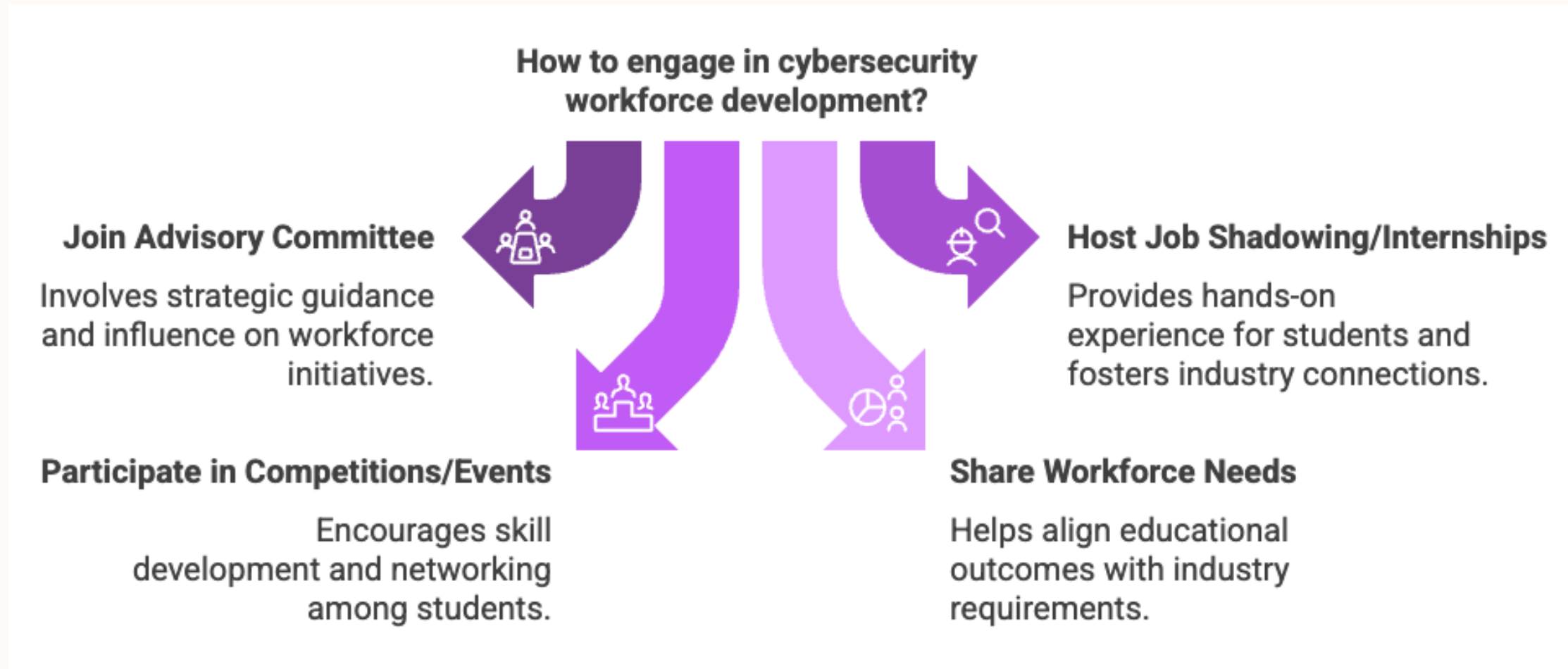




# Core Activities



# Getting Involved



# Impact and Outcomes

