SEPTEMBER 6, 2023

Sandra Watson, President & CEO

How Can States Help the CHIPS Act Succeed?

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RECENT SEMICONDUCTOR ACTIONS



Oct. 28, 2021 – ACA brings together 50+ stakeholders to launch NSER

- **Oct. 2021** – ACA convenes the first meeting of the National Semiconductor Economic Roadmap
- **Aug. 2022** – ACA launches the Arizona Semiconductor Task Force, a statewide effort to coordinate CHIPS Act efforts
- **Nov. 2022** – Arizona invests $100 million to enhance statewide semiconductor ecosystem
- **Dec. 2022** – Industry, state leaders publish National Semiconductor Economic Roadmap
- **Jan. 2023** – SEMICON West announces annual rotation in Phoenix
- **March 2023** – Plug and Play launches new office in Arizona focused on advanced manufacturing
- **June 2023** – ACA launches first two of six new advanced manufacturing training centers
- **July 2023** – Applied Materials, ASU, ACA announce new $270M “Materials-to-Fab” Center

ARIZONA SEMICONDCUTOR TASK FORCE

- Launched in August 2022
- 80+ stakeholders from industry, academia, workforce development, and the public sector
- 5 full task force meetings and 4 subgroup meetings convened to date



$100 MILLION INVESTMENT

- $100 million to enhance Arizona's semiconductor ecosystem
- $30 million to establish the Materials-to-Fab (MTF) Center
- Additional announcements forthcoming



APPLIED MATERIALS®

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ASU®

AN ACTION PLAN FOR THE FUTURE

NSER
NATIONAL SEMICONDUCTOR ECONOMIC ROADMAP

WORKFORCE

Define workforce skill and education requirements

SUPPLY CHAIN

Identify supply chain resiliency solutions

INFRASTRUCTURE

Accelerate investment in physical assets for production & research

ENTREPRENEURSHIP

Create access for entrepreneurs to invest capital and commercial infrastructure



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ARIZONA ADVANCED TECHNOLOGY NETWORK

MARICOPA COMMUNITY COLLEGES | Central Arizona College | PimaCommunityCollege

LUCID | Raytheon | ARIZONA COMMERCE AUTHORITY | BOEING

SKILLS AND CERTIFICATIONS

Mechanical Systems | Electrical Systems | Electrical Controls | Hydraulics | Pneumatics Robotics | Electrical Wiring | Soldering| Process Controls | Industry 4.0 Data Analytics



WORLD-CLASS EDUCATION

122
TOTAL UNIVERSITIES AND COLLEGES

490,000+
STUDENTS ENROLLED

222
SCHOOLS OFFERING CAREER & TECHNICAL EDUCATION

Arizona State University

ENROLLED OVER
30,000
engineering students in Fall 2022

160%
increase in 10 years

University of Arizona

RECIEVED
$26M
from the NSF to lead the Center for Quantum Networks

Northern Arizona University

RANKS IN THE
TOP 15%
for engineering programs in the United States

Arizona State University · The University of Arizona · Northern Arizona University · Maricopa Community Colleges · Pima Community College · Central Arizona College · Embry-Riddle Aeronautical University · Grand Canyon University

SEMICONDUCTOR TALENT PIPELINE

Semiconductor Technician Quick Start Program –

- 10-day program designed to prepare individuals for jobs in the semiconductor industry

Arizona Advanced Technology Network –

- ACA-led partnership with Maricopa County Community College District
- Provides industry-recognized curriculum to develop manufacturing skills

Career and Technical Educational Districts –

- Provides specialized training to support advanced manufacturing firms
- Over 17,000 enrollments

FUTURE48

In 2022, the State of Arizona committed **$30 million** to create up to six new advanced manufacturing training centers.

- The first **two** Workforce Accelerators were announced in June 2023.
- There will be up to **four** additional manufacturing training centers.



THANK YOU

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