



# Arizona's Robust Semiconductor Talent Pipeline

For more than 70 years, Arizona has stood at the forefront of semiconductor design, development, and production, starting with Motorola in the 1940s followed by the opening of Intel's first fab in the state in 1979. Decades of industry experience and one of the largest semiconductor workforces of any state have contributed to a robust semiconductor training pipeline in Arizona, one powered by close collaboration among industry, academia and government.

Combined with Arizona's rapid population growth and already deep labor pool, which includes more than 3.6 million workers and counting, Arizona is poised better than any state to power the semiconductor workforce of the future.

## A People Magnet

**FACT:** On average, Arizona added 258 people a day last year (*U.S. Census Bureau, 2022*)

MARICOPA COUNTY

#1

LARGEST  
POPULATION  
GROWTH

JULY 1, 2021 - JULY 1, 2022

MARICOPA COUNTY

#1

LARGEST  
NET MIGRATION

JULY 1, 2021 - JULY 1, 2022

ARIZONA

#5

LARGEST  
POPULATION  
GROWTH

JULY 1, 2021 - JULY 1, 2022

*U.S. Census Bureau, 2022*

# Talent In Abundance

Arizona's workforce has grown rapidly in recent years, driven by a surge in young workers. According to Lightcast, Arizona saw 15.8% growth in educational attainment between 2017 and 2021, the 4th highest of any state. Looking ahead, data tracking firm CompTIA predicts Arizona will boast the second-fastest rate of tech job growth over the next 10 years, at 25%.

## ARIZONA

520,000+

WORKERS ADDED  
SINCE 2015

Arizona Office of Economic Opportunity



## MARICOPA COUNTY

#1

FOR TALENT ATTRACTION  
& RETENTION

5 OUT OF LAST 6 YEARS

Lightcast Talent Attraction Scorecard, 2022

## ARIZONA

#3

FOR WORKFORCE

CNBC BEST STATES  
FOR BUSINESS

## PHOENIX

32% GROWTH

IN RESIDENTS IN THEIR 30S  
WITH COLLEGE DEGREES  
(2016-2021)

3RD-BEST IN THE NATION

CBRE

“

Educated workers are flocking to the Grand Canyon State, and a growing number of them are highly skilled as the state boosts its tech sector.

 **CNBC**

# U.S. Semiconductor Central

“

What we're doing here in Arizona matters across the country and around the world. - President Joe Biden, December 6, 2022

“We are planting a seed in the Arizona desert. And at Apple, we are proud to contribute to its growth.” - Apple CEO Tim Cook, December 6, 2022

“As recent investments in chip manufacturing in the area have made abundantly clear, Phoenix embodies the drive by SEMI and the industry at large toward greater innovation.” - Joe Stockunas, President, SEMI Americas

## North America's Semiconductor Hub

### ARIZONA

#1

**MOST  
SEMICONDUCTOR  
INVESTMENT**

SINCE 2020

SIA

#1

**MOST SUPPLIER  
EXPANSIONS**

SINCE 2020

SIA

#2

**SEMICONDUCTOR  
MANUFACTURING  
EMPLOYMENT**

Business Facilities, 2023

30+

**SEMICONDUCTOR  
EXPANSIONS**

SINCE 2021

ACA

### Recent Semiconductor Actions

- ✓ **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 of six new advanced manufacturing training centers
- ✓ **July 2023** - Applied Materials, ASU, ACA announce new \$270M “Materials-to-Fab” Center

**\$62+**  
**BILLION**

IN ANNOUNCED  
INVESTMENTS  
SINCE 2020

**ARIZONA**  
COMMERCE AUTHORITY

# Unrivaled Talent Pipeline

Arizona sets the standard for workforce collaboration, pioneering first-of-their kind partnerships among industry, academia, and government to scale talent quickly.

## FOUR-YEAR UNIVERSITIES

Arizona's three state universities (Arizona State University, Northern Arizona University and University of Arizona) offer the largest, single state engineering enrollment in the nation.



Since 2011, engineering enrollment at Arizona's universities has grown by over 230% to over 37,000 students in the Fall of 2022, led by ASU, ranked the most innovative university in the country eight years in a row (U.S. News and World Report).

## COMMUNITY COLLEGES

In partnership with Intel and TSMC, Maricopa Community Colleges launched the Semiconductor Technician Quick Start program in 2022. The affordable two-week program prepares students for careers as semiconductor technicians through hands-on learning from private-industry instructors.

In the program's first year, 587 students earned certifications, with over two-thirds representing students of color and over half representing first generation college students.

## ARIZONA ADVANCED TECHNOLOGY NETWORK (AATN)

Led by the ACA in partnership with community colleges and local manufacturers, AATN provides a unified, industry-recognized curriculum to develop 21st-century manufacturing skills needed for high-paying, high-tech jobs.

## FUTURE48 WORKFORCE ACCELERATORS

The ACA, in partnership with industry and community colleges, is establishing a series of advanced manufacturing training centers across the state. These workforce accelerators, known as **Future48 Workforce Accelerators**, are modeled after Drive48, a unique, state-of-the-art training center at Central Arizona College preparing students for jobs in automotive manufacturing.

Up to six additional Future48 Workforce Accelerators are being established in coordination with industry in fields such as semiconductor, aerospace & defense, battery, and automotive assembly.

The Semiconductor Workforce Accelerator will be committed to increasing the supply of semiconductor technicians for semiconductor manufacturing and related industries, providing a customized training center for semiconductor technicians.