



Partnerships

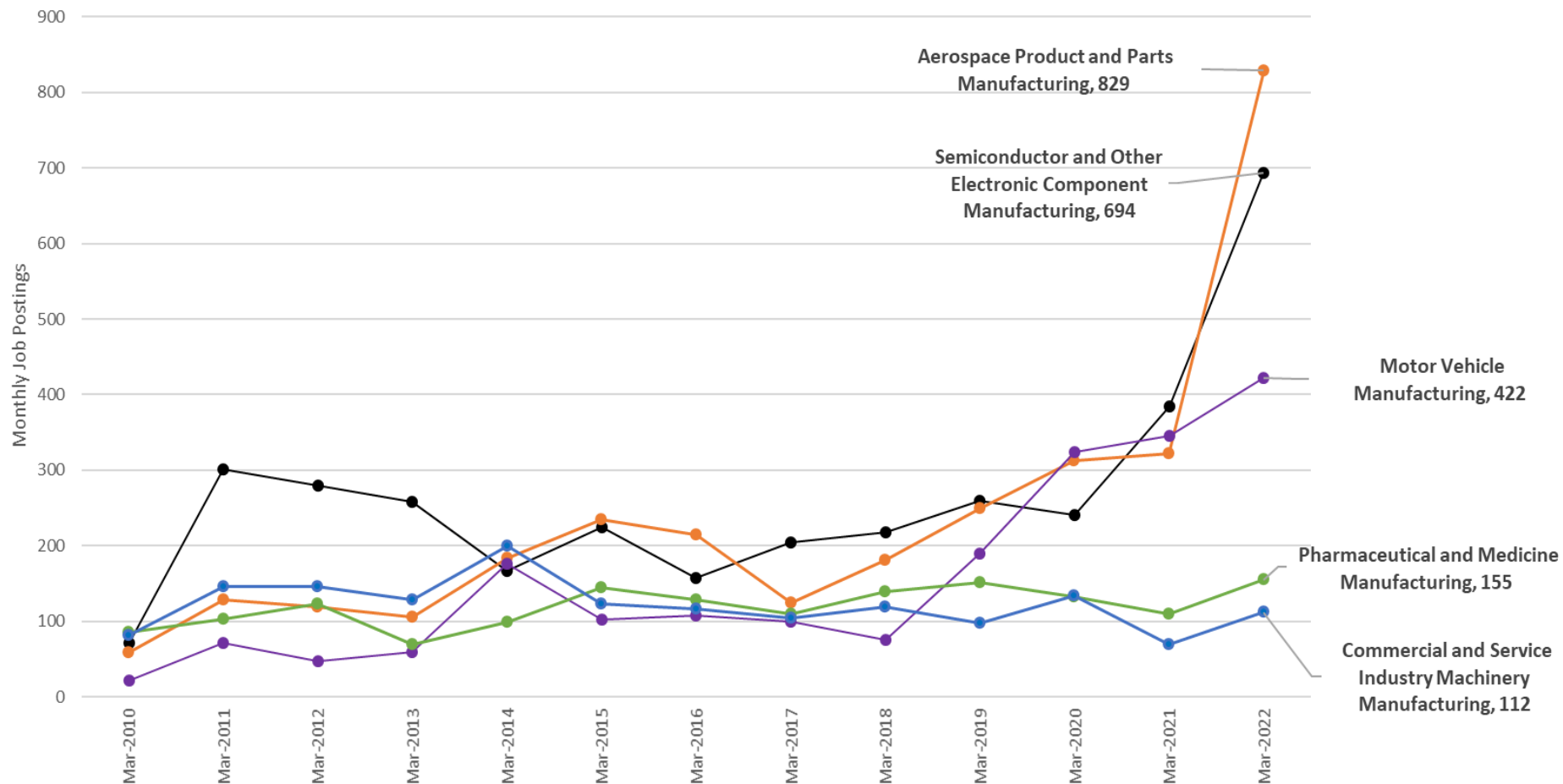
Building a Pipeline for Scope and Scale



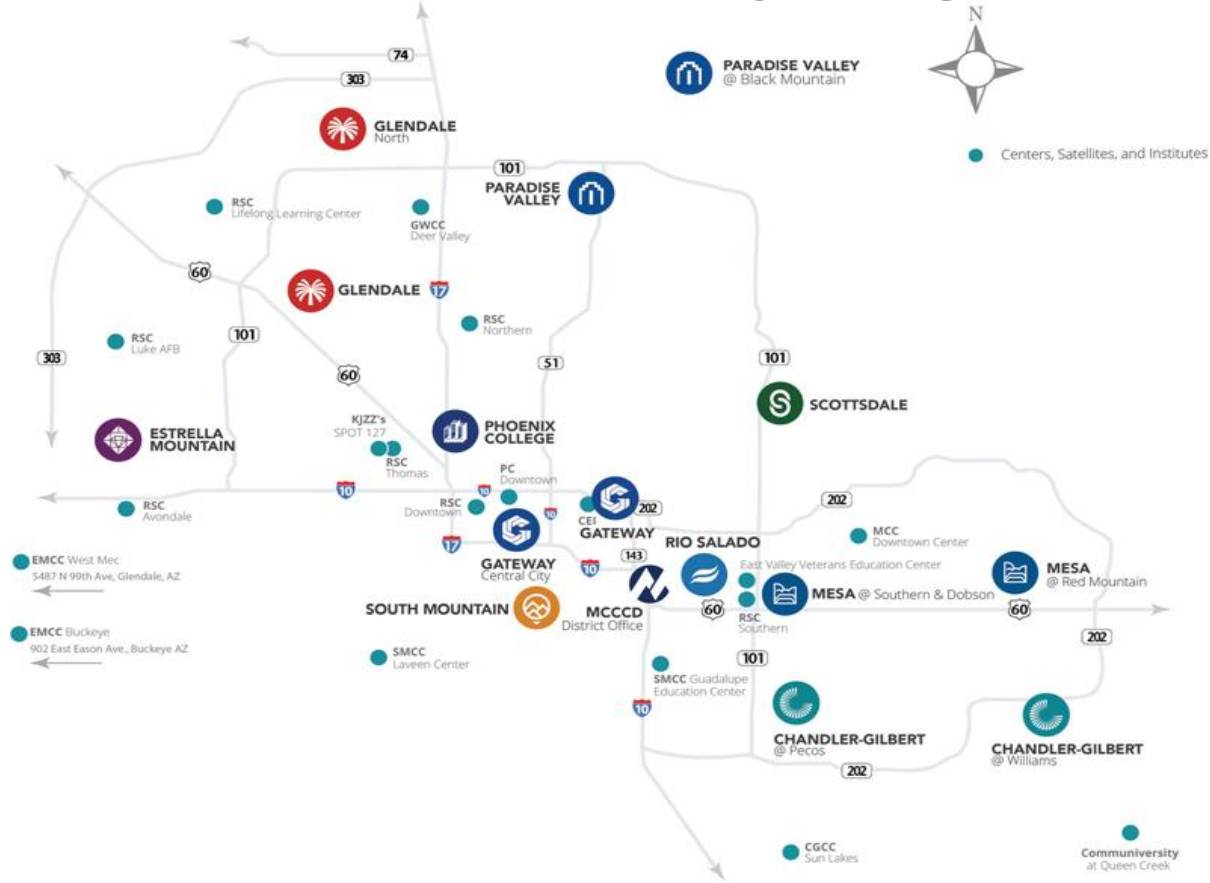
MARICOPA
COMMUNITY COLLEGES

Leah Palmer, *Executive Director - Arizona Advanced Manufacturing Institute*
AzAMI, @ Maricopa Community College

Job Postings for Top 5 Manufacturing Industries



Maricopa Community Colleges



- ✓ **College Based**
- ✓ **Regionally Focused**
- ✓ **Sector Driven**

WHERE IT BEGAN: First Statewide Partnership

1st in Arizona, Statewide Common Course, Degree and Certificate Pathway in Automated Industrial Technology: **Arizona Advanced Technology Network (AATN)** in partnership with the state and 4 community colleges

Mesa Community - Building workforce pipeline partnerships with industry like Boeing and Intel using innovative strategies for technicians with (AIT) Automated Industrial Technology





INDUSTRY VALIDATED AUTOMATED INDUSTRIAL TECHNOLOGY

EQUIPMENT TECHNICIAN COMPETENCIES
Semiconductor Pathway



- NIMS Duty Area 2:** [Basic Mechanical Systems](#)
- NIMS Duty Area 3:** [Basic Hydraulic Systems](#)
- NIMS Duty Area 4:** [Basic Pneumatic Systems](#)
- NIMS Duty Area 5:** [Electrical Systems](#)
- NIMS Duty Area 6:** [Electronic Control Systems](#)
- NIMS Duty Area 7:** [Process Control Systems](#)
- NIMS Duty Area 8:** [Robotics](#)
- NIMS Duty Area 9:** [Aerospace & Semiconductor Manufacturing](#)

Meeting Current and Future Demand: Scope and Scale -Building the Infrastructure

- ✓ **Regional approach** (3) colleges county wide collaborating with other colleges (universities)
- ✓ **Industry driving the curriculum competencies** – Advisory Board recruitment
- ✓ **Resource Development & Grant Funding \$1.5M**
 - A. Support from industry with the tools, equipment and supplies needed for the job roles.
 - B. State and Foundation Funding tuition, equipment and Staffing for Student Navigation
- ✓ **Acceleration for targeting scope scale** designing 2 week credit courses belonging to an existing **pathway earning college credit, industry certification and leads to a degree.**
- ✓ **Shared data** on pipeline matriculation from outreach to employment with benchmarking and refinement.



HOW WE ARE MAKING IT HAPPEN:

Quick Start Partnership Design

- ✓ **Curriculum designed Maricopa college and industry**, structured project management and resourced equipment and certifications meeting (**weekly**)
- ✓ **Recruited Adjunct Faculty** recruited 49 qualified instructors to be trained for teaching summer and fall 2022
- ✓ **Joint Marketing Centralized** - college teams use landing pages, QR codes, measure hits, pretesting for readiness, constant contact
- ✓ **Industry Recruiters** connect at hiring Fairs monthly and special REQs
- ✓ **Hiring** - will be conducted regularly on site at all college campuses
- ✓ **Priority** is to **increase the # of women** technicians as well as increase overall **diversity and equity (measured)**
- ✓ **STATE Support** - Economic Development offices - present to new attraction

Industry Needs Your Electrical Wiring Skills!

You can earn an industry-recognized certification that assures aerospace industry partners that you are ready for hire. **Upon successful completion of this course you will:**



Have an opportunity to interview with the Boeing Company and many other aerospace companies!



If hired, graduates may qualify for full time positions with a benefits package.



Course cost discounted for all students - full tuition reimbursement upon completion for Arizona residents!

STEPS TO ENROLL AT MESA COMMUNITY COLLEGE

- 1) Complete the industry required assessment at mesacc.edu/wiring-bootcamp.
- 2) An AzAMI representative will notify you within 10 days with 'next steps' if you are eligible to enroll.
- 3) If eligible, you will then apply for admission to Mesa Community College at admissions.maricopa.edu/.
- 4) Must contact an AzAMI representative at azami@mesacc.edu to be enrolled into one of the classes listed on the schedule (see back).

Contact our Career Navigator 480 461-7337



The Maricopa County Community College District (MCCCD) is an EEO/AA institution and an equal opportunity employer of protected veterans and individuals with disabilities. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, age, or national origin. A lack of English language skills will not be a barrier to admission and participation in the career and technical education programs. MCCCD is an affirmative action institution and is committed to providing a safe and healthy work environment for all employees. For more information, please visit www.maricopa.edu.

ZAMAR **ARIZONA** **OFFICE OF ECONOMIC OPPORTUNITY** **MARICOPA COMMUNITY COLLEGES** **COMMUNITY COLLEGE** **PimaCommunityCollege**



Aerospace Marketing



MARICOPA
COMMUNITY COLLEGES

Now Enrolling

SEMICONDUCTOR TECHNICIAN QUICK START

LEARN
MORE



maricopa.edu/semico

Photo credit: Intel



Begin your exciting new career with only **10 days of training.**



Quick Start programs will be offered at:



CONTACT

Email: enrollment.services@domail.maricopa.edu
Call or text: (480) 731-8660

Semiconductor Marketing



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BUILDING Industry ADVISORY



June 2019 – December 2022

Number of Classes

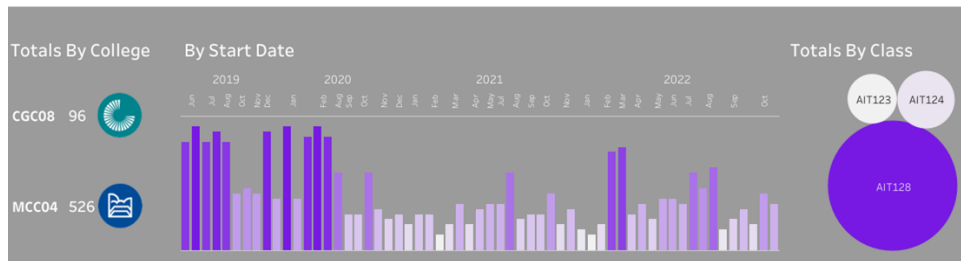
79

Number of Students

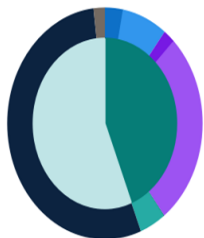
593

Enrollment Data

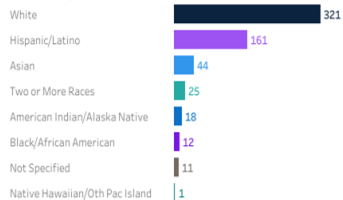
Aerospace



RACE/ETHNICITY



Race Ethnicity



Race Ethnicity



FIRST GENERATION



Max First Gen



First Gen

First Ge. No items highlighted

Not First.. highlighted

Unknown

GENDER



Sex



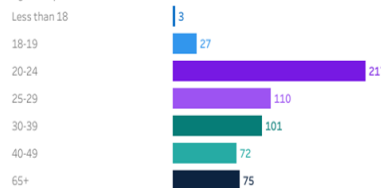
Sex



AGE



Age Groups



Age Groups

Less than 18

18-19

20-24

25-29

30-39

40-49

65+

Traditional Age

Traditional

Non-Traditional

Enrollment Data

Semiconductor

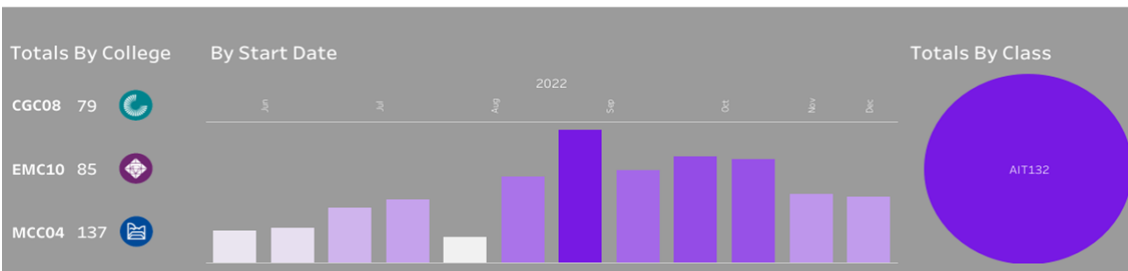
June 2022 – December 2022

Number of Classes

27

Number of Students

301

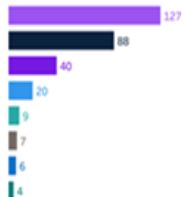


RACE/ETHNICITY



Race Ethnicity

Hispanic/Latino
White
Black/African American
Asian
Two or More Races
Not Specified
American Indian/Alaska Native
Native Hawaiian/Oth Pac Island



Race Ethnicity

American Indian/Alas
Asian
Black/African America
Hispanic/Latino
Native Hawaiian/Oth
Two or More Races
White
Not Specified
Student Of Color
Non-Student of Color



FIRST GENERATION

Max First Gen

First Generation
Not First Generation
Unknown



First Gen

First Ge...
Not First...
Unknown

Highlight Ra...
No items highlighted

GENDER



Sex

Female
Male
Undefined



Sex

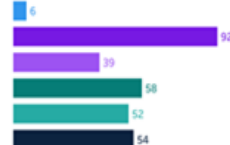
Female
Male
Undefined

AGE



Age Groups

18-19
20-24
25-29
30-39
40-49
65+



Age Groups

18-19
20-24
25-29
30-39
40-49
65+

Traditional Age
Traditional
Non-Traditional

IMPACT that Moves the Needle

➤ Meeting Immediate need:

- **Waitlist currently close to 2000** have been on the landing page and over 1900 have passed the pre-test ready for enrollment

➤ Developing and Strengthening Partnership:

- Advisory accountable for hiring fairs, employment data and letters of commitment for pre apprenticeships
- Recruiter dedicated to hiring processes and create custom requisition to identify completers
- **State funding** is secured for supporting and sustaining a collaborative pipeline **1.6M announced another 5 million** Good Jobs Challenge


➤ Skills Credentialing:

- **Employability Skills ACRC training and testing:** Situational Awareness, reading, math and Navigation for information
- **NIMS and IPC A620 industry certification testing:** portable Semiconductor competencies and serves WIOA participants

VIRTUAL REALITY RECRUITMENT

- ✓ 80 Virtual Oculus Headsets for training to recruit and could be used to strengthen classroom hands-on applications
- ✓ A Career Exploration tool for building student interest in high schools for aerospace and semiconductor
- ✓ Can be used as an assessment tool prior to enrollment
- ✓ Reaching underserved communities with new opportunities





[student story](#)

Building New Models for Scale



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Press-Building Scope and Scale

[My Trip with the First Lady Dr. Jill Biden](#)

<https://www.abc15.com/news/first-lady-jill-biden-to-visit-valley-tucson-on-monday>

<https://www.ccdaily.com/2022/03/flexible-training-programs-for-in-demand-jobs/>

Technology Magazine -- <https://www.technologymagazine.org/intel-maricopa-to-unveil-workforce-development-initiative-at-mcc/>

<http://anglenews.com/jill-biden-pays-tribute-to-beau-during-tour-of-the-tohono-oodham-nation-cancer-center/>

<https://inbusinessphx.com/technology-innovation/maricopa-community-colleges-and-intel-to-launch-new-semiconductor-manufacturing-workforce-development-initiative>

<https://finance.yahoo.com/news/job-training-community-colleges-agenda-180810330.html>

Aerospace press

<https://www.route-fifty.com/management/2022/04/states-look-community-colleges-fill-labor-gap/365684/>

https://www.tucsonsentinel.com/nationworld/report/041522_community_college_labor_states-look-community-colleges-fill-labor-gap/

<https://birminghamwatch.org/states-look-to-community-colleges-to-fill-labor-gap/>



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