

Preparing the Next Generation Workforce

PRESENTED BY:
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VALENCIA COLLEGE



Ten Locations.
One College.
70,000 Students.



Florida College System



VALENCIA COLLEGE



Workforce Development and Educational Ecosystem



Valencia's Schools for Workforce Education



**Arts, Entertainment
and Design**



Business



**Engineering,
Technology, and
Advanced
Manufacturing**



Health Sciences



**Hospitality
Management
and Culinary
Arts**



**Public Safety,
Legal Studies,
and Education**

Workforce Programs

**Bachelor
Degrees**

**Associate in Science
Degrees**

**Technical & Career
Certificates**

**Accelerated Skills
Training Programs**

8

38

105

18



What is Accelerated Skills Training (AST)

Fast
Full and Part-
Time Schedules

Hands-On
Instruction

Nationally
Recognized
Industry
Certifications

Strong
Partnership
with
Industry

Small
Cohorts

Labs operate
like the
Workplace



4 – 28 Week
Programs



+80%



Average 4
certifications
per program



Review content
Guest speakers
Tours
Mock Interviews
Placement



10 to 15
students



On Time
Coaching
Soft Skills

Completion rate average = 90%
Placement rate average = 80%

VALENCIA COLLEGE

Accelerated Skills Training

STEM Focused

Advanced Manufacturing AST Programs ***

- Robotics & Semiconductor Technician
- Precision Optics, Photonics, & Fiber Optics Technician
- Industrial Automation Technician (Mechatronics)
- Automated Production Specialist (CNC)
- Electronic Board Technician
- Advanced Welding Technician



***** AST programs can articulate into Valencia's Associate in Science degrees (e.g., A.S. degree in Semiconductor Engineering Technology)**

Central Florida Semiconductor Initiative

<https://gobridg.com/>

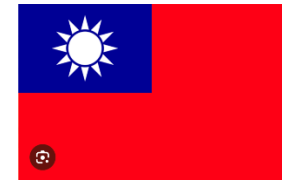


- Serving Osceola County, Florida in creating the semiconductor advanced packaging and workforce hub for America.
- Bridg is a Florida-based, not-for-profit, public-private partnership focused on developing and commercializing advanced technologies including our Digital, RF, and Photonics interposers united with packaging capabilities. We serve as the Advanced Packaging Hub and Design Center supporting U.S. Government and Industry applications.



<https://gobridg.com/nsfengine/>

Semiconductor Industry in Florida



Taiwan manufacturers 50% of the chips and majority of advanced packaging

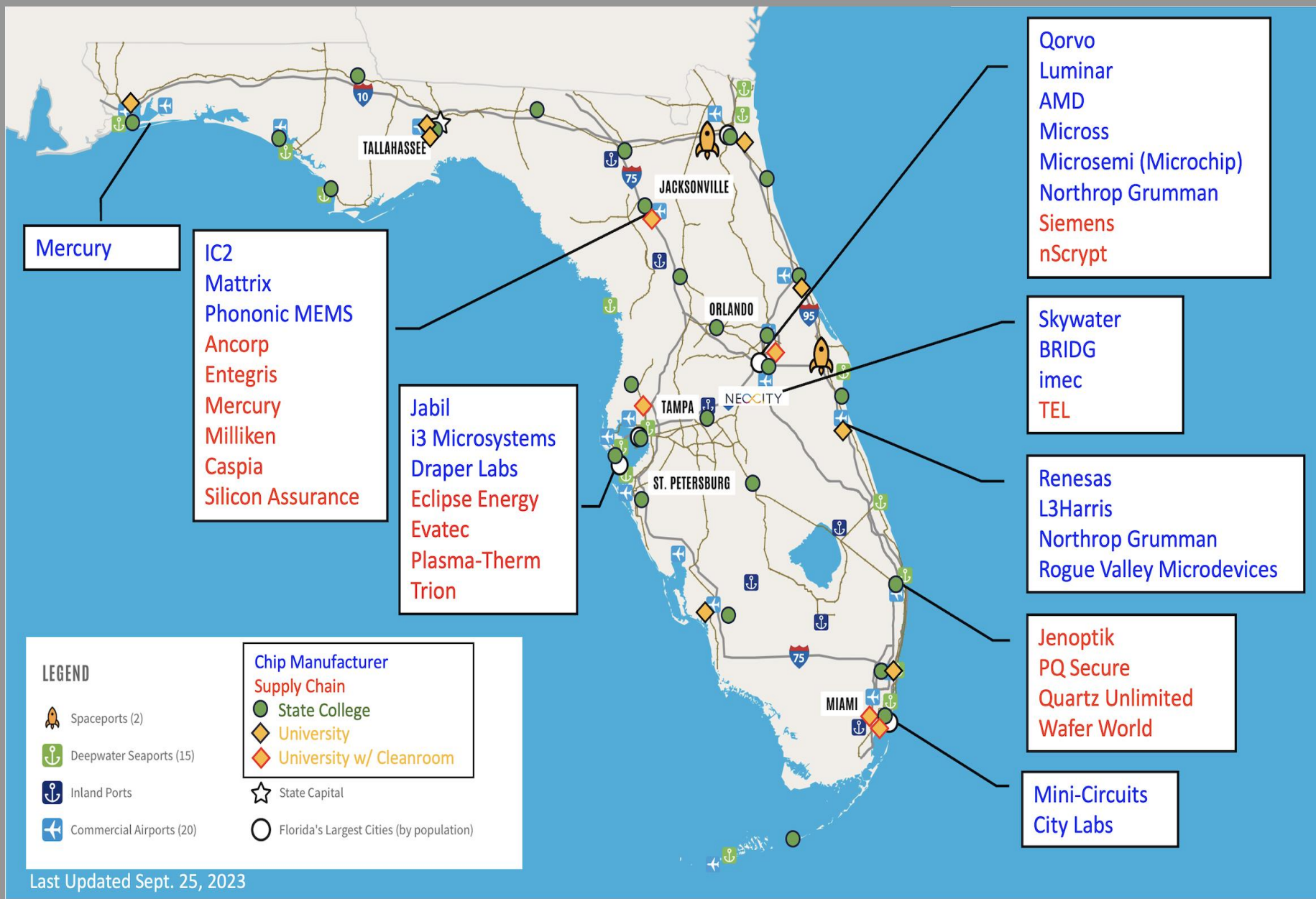


\$53 Billion in 2022

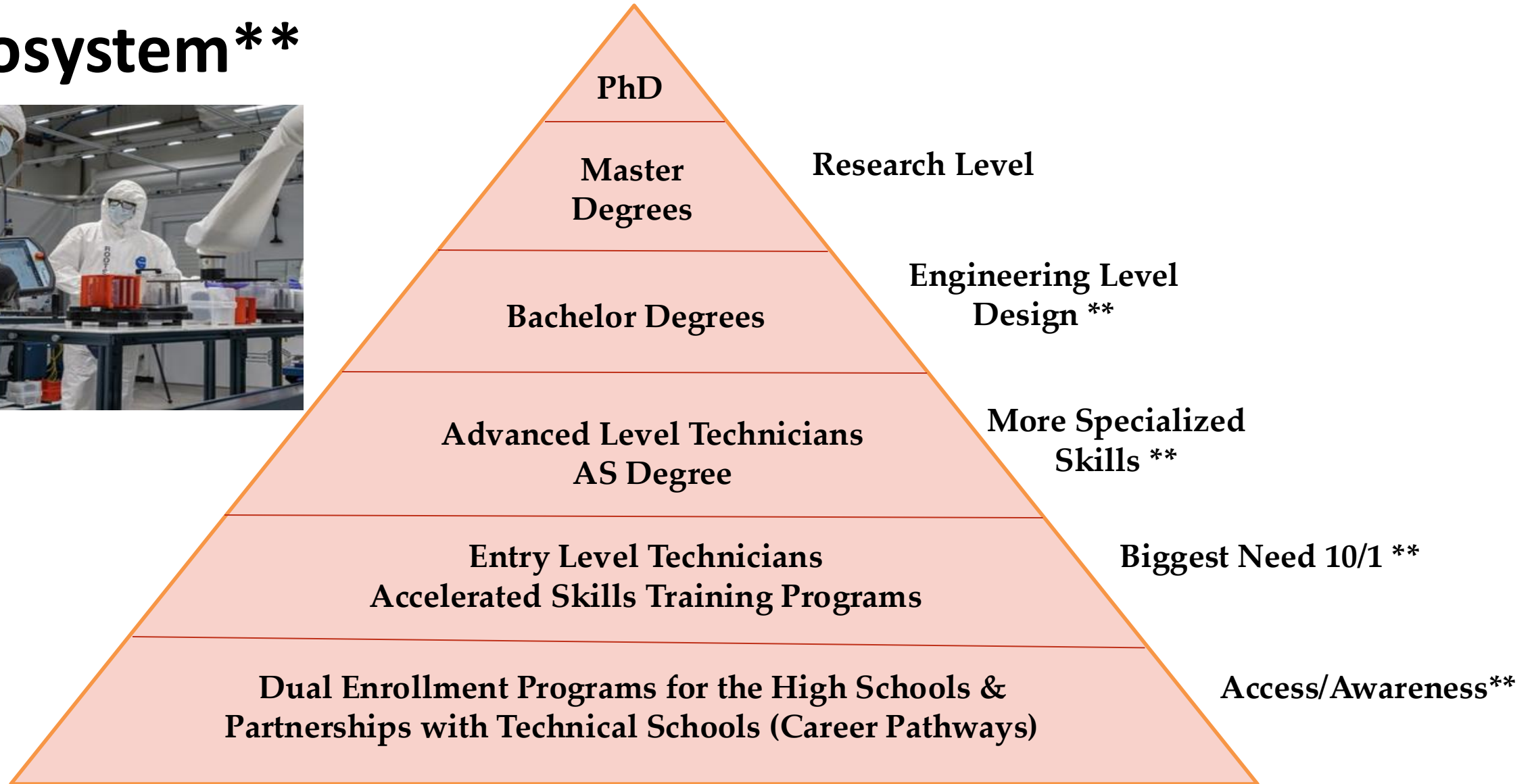


Bridg is the only NSF Engine awarded in the USA focused on Semiconductors

Potential of up to 10 years and 160 Million \$\$\$



Valencia's Role in Semiconductor Education Ecosystem**



Valencia's Semiconductor Education Pathway

- High school CTE dual enrollment technical credit certificates in:
 - Semiconductor Cleanroom Operator
 - Laser and Photonics Technician
- AST Robotics & Semiconductor Technician non-credit program (industry certifications and articulations to A.S. degree)
- A.S. Degree in Semiconductor Engineering Technology
- 2+2 Bachelor Degree with the University of Central Florida



Industry Partners



Industry Partners



