



September 1, 2022

TO: THE DISTRICT BOARD OF TRUSTEES OF VALENCIA COLLEGE

FROM: DR. KATHLEEN PLINSKE
President

RE: AWARD OF SOLE SOURCE (SS) 2022-29, ADVANCED ROBOTICS LEARNING
FACTORY

On June 27, 2022, Valencia College received a \$3,757,021 grant from the Florida Department of Economic Opportunity (DEO) to support the creation of a Robotics Technician Program, located at the Advanced Manufacturing Training Center. The 20-week program will support the emerging need for technicians with expertise working with robots and robotic equipment in production and distribution environments. The industries incorporating robotics technology include semiconductors (chips), manufacturing, and distribution sectors.

Valencia College faculty and staff identified unique equipment and technological characteristics essential to maximize the learning environment in the accelerated program. The College held discussions and on-site visits with three manufacturers of this type of equipment: Festo Corporation, Amatrol Inc., and Roots Education, Co., LLC., and determined that the Robotics Integrated Learning Factory Trainers from Roots Education, Co., LLC. met all the requirements set forth by the program. As prescribed by Florida Statute 287.057, on June 20, 2022, Valencia College issued Sole Source (SS) 2022-29, Advanced Robotics Learning Factory, to notify the public of the Intent to Sole Source.

The Roots Robotic Integrated Learning Factory Trainers are sole source products designed, assembled, and manufactured exclusively by Roots Education Co., LLC. No other company makes a similar product nor offers the services, curriculum, and customized equipment designed to integrate within a school program similar to Valencia College. The total cost of the Robotics Integrated Learning Factory Trainers is \$2,475,000.

RECOMMENDED ACTION:

The President recommends that the District Board of Trustees of Valencia College authorize the College to award Roots Education, Co., LLC. the Sole Source procurement of the Robotic Integrated Learning Factory Trainers in the amount of \$2,475,000.

President

VALENCIA COLLEGE

Florida Job Growth Workforce Training Grant – Robotics Technician Program

DBOT Meeting
September 1, 2022

Florida Job Growth Workforce Training Grant – Robotics Technician Program

- January 5th, 2022 – Governor announces award of \$3.7M grant to Valencia College.

<https://www.flgov.com/2022/01/05/governor-ron-desantis-announces-nearly-10-million-to-support-chip-and-semiconductor-manufacturing/>

- June 27th, 2022 – Florida Department of Economic Opportunity (DEO) & Valencia College executes agreement for the grant award.

Florida Job Growth Workforce Training Grant – Robotics Technician Program

Grant funding of \$3,757,021 includes:

- Procurement of specialized training equipment - \$2,353,000
- Facility renovations to include a mock clean room - \$337,659
- Instructors - \$299,033
- Supplies & Material - \$167,329
- Student Financial Assistance - \$600,000

Florida Job Growth Workforce Training Grant – Robotics Technician Program

Robotics Technician Program

- An Accelerated Skills Training program (20 weeks).
- Supports the emerging need for technicians with expertise working with robots and robotic equipment in production & distribution environments.
- Industries incorporating robotics technology include semiconductors(chips), manufacturing and distribution sectors.

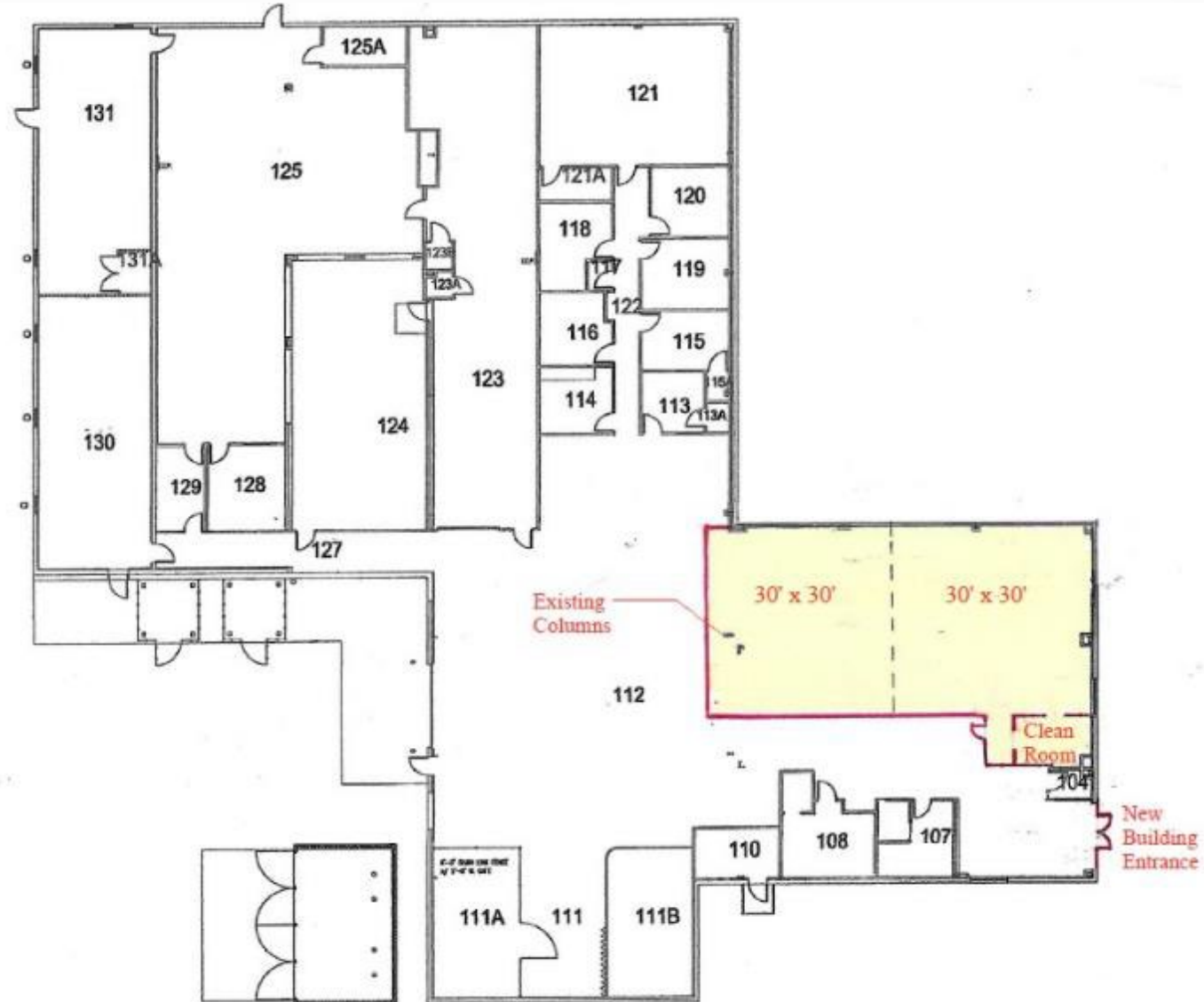
Florida Job Growth Workforce Training Grant – Robotics Technician Program

The program will include:

- A simulated wafer processing line (semiconductor/chips) and a mock cleanroom.
- A simulated medallion processing line (manufacturing/distribution).

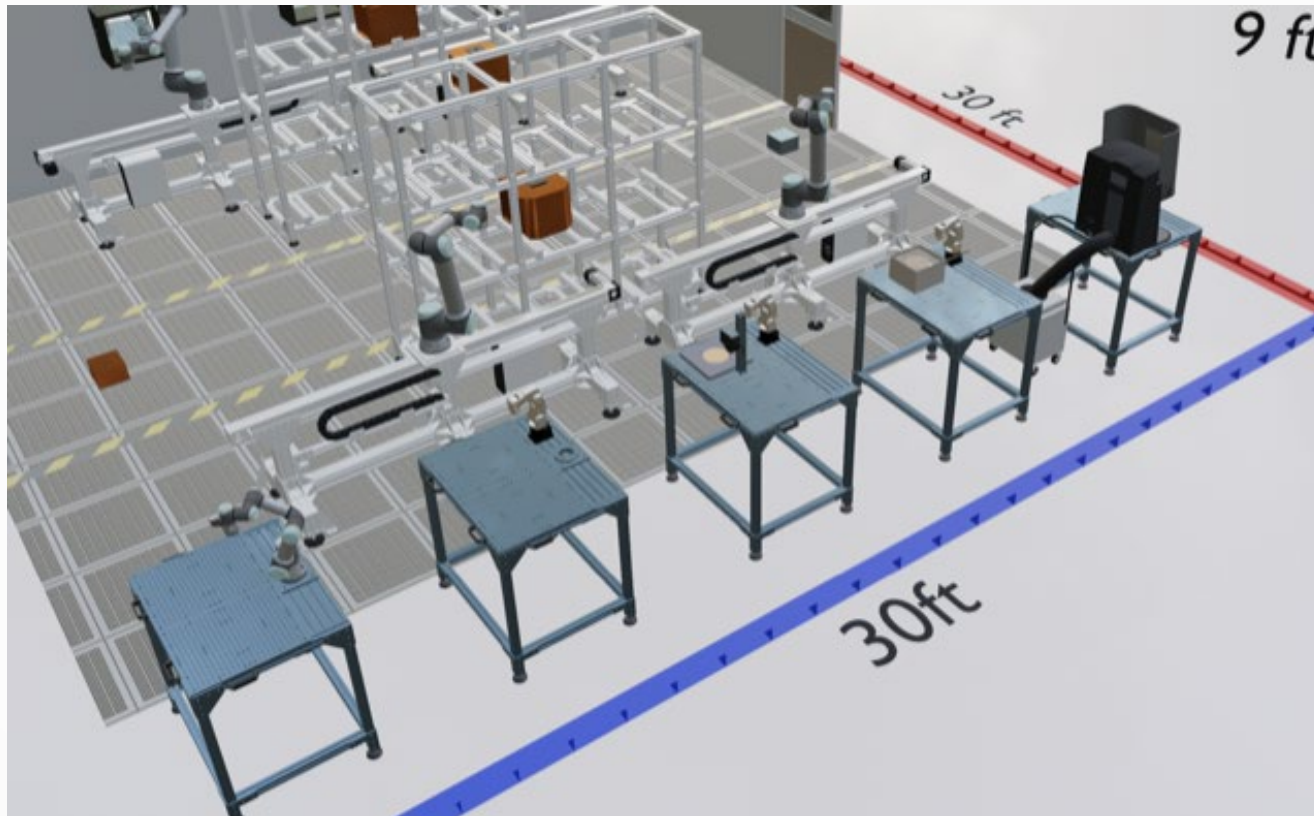
Florida Job Growth Workforce Training Grant – Robotics Technician Program

Advanced Manufacturing Training Center



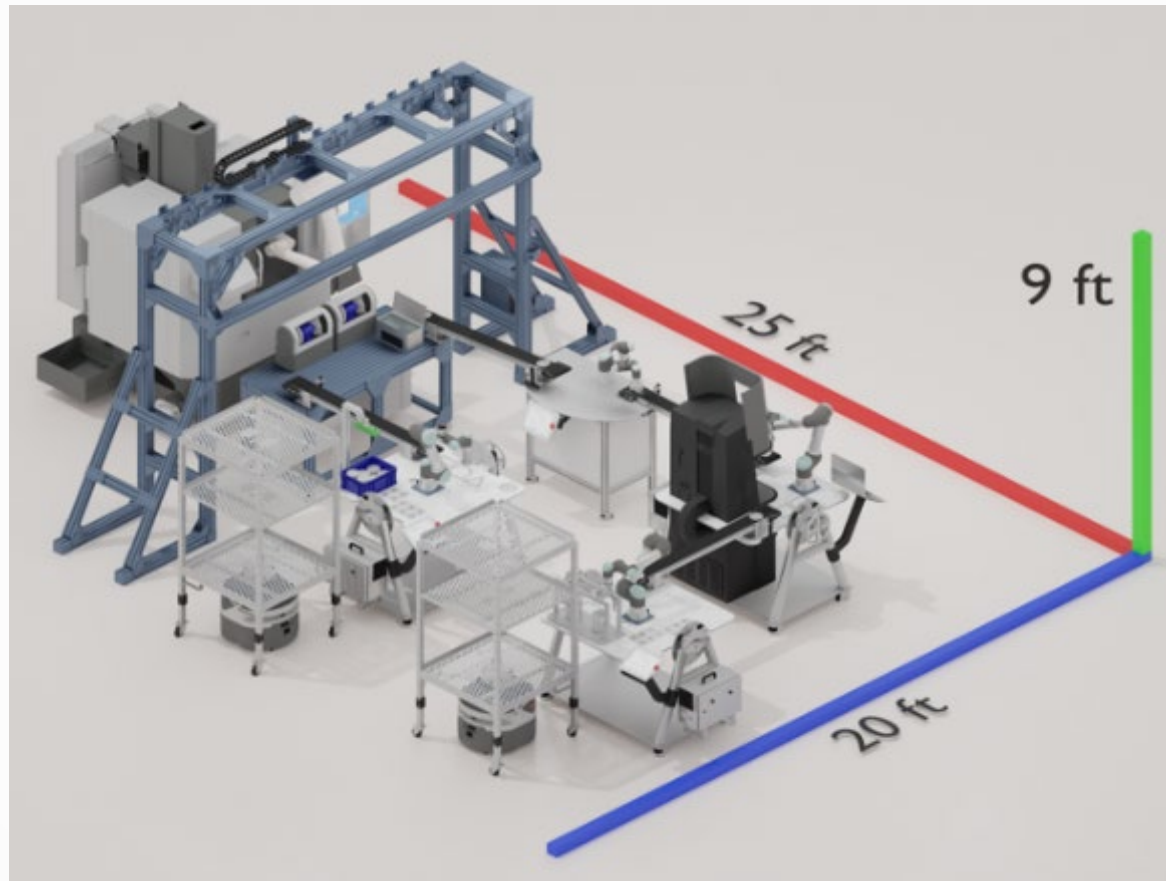
Florida Job Growth Workforce Training Grant – Robotics Technician Program

Wafer Processing Rendering (Semiconductors/chips)



Florida Job Growth Workforce Training Grant – Robotics Technician Program

Medallion Processing Rendering (Manufacturing & Distribution)



Florida Job Growth Workforce Training Grant – Robotics Technician Program

Students will complete the program being prepared for the following nationally recognized industry credentials through Smart Automation Certification Alliance (SACA):

- Certified Industry 4.0 Associate Robotic Systems Operator
- Certified Industry 4.0 Robotics Specialist
- Certified Industry 4.0 Operations Specialist
- Certified Industry 4.0 Production Systems Specialist

Florida Job Growth Workforce Training Grant – Robotics Technician Program

VALENCIA COLLEGE

Questions