

An industrial robot arm, likely a KUKA model, is shown in a factory environment. The robot is orange and white, with various cables and sensors attached. It is positioned in the center of the frame, reaching towards the right. The background consists of a complex network of white metal beams and structures, typical of a modern manufacturing facility. The lighting is bright and even, highlighting the metallic surfaces of the robot and the surrounding infrastructure.

Enhanced Skills Training for High-Demand Careers

Innovative Workforce Development for Corpus Christi

October 2024



DEL MAR COLLEGE



CCREDC Mission Alignment

Aligning Our Efforts to Drive Economic Growth

Mission Statement

Promoting economic growth through education and skilled workforce development.

Purpose

Funding the Enhanced Skills Training for High-Demand Careers pathway with Del Mar College (DMC).

Goal

Address critical workforce needs and shortages in Corpus Christi.

Executive Summary

Del Mar Enhanced Skills for High Demand Careers



Challenge

Corpus Christi and the region faces a shortage of skilled workers for local job opportunities.



Proactive Programs






Five existing Del Mar College programs are working to address this issue by sustaining and expanding the workforce.

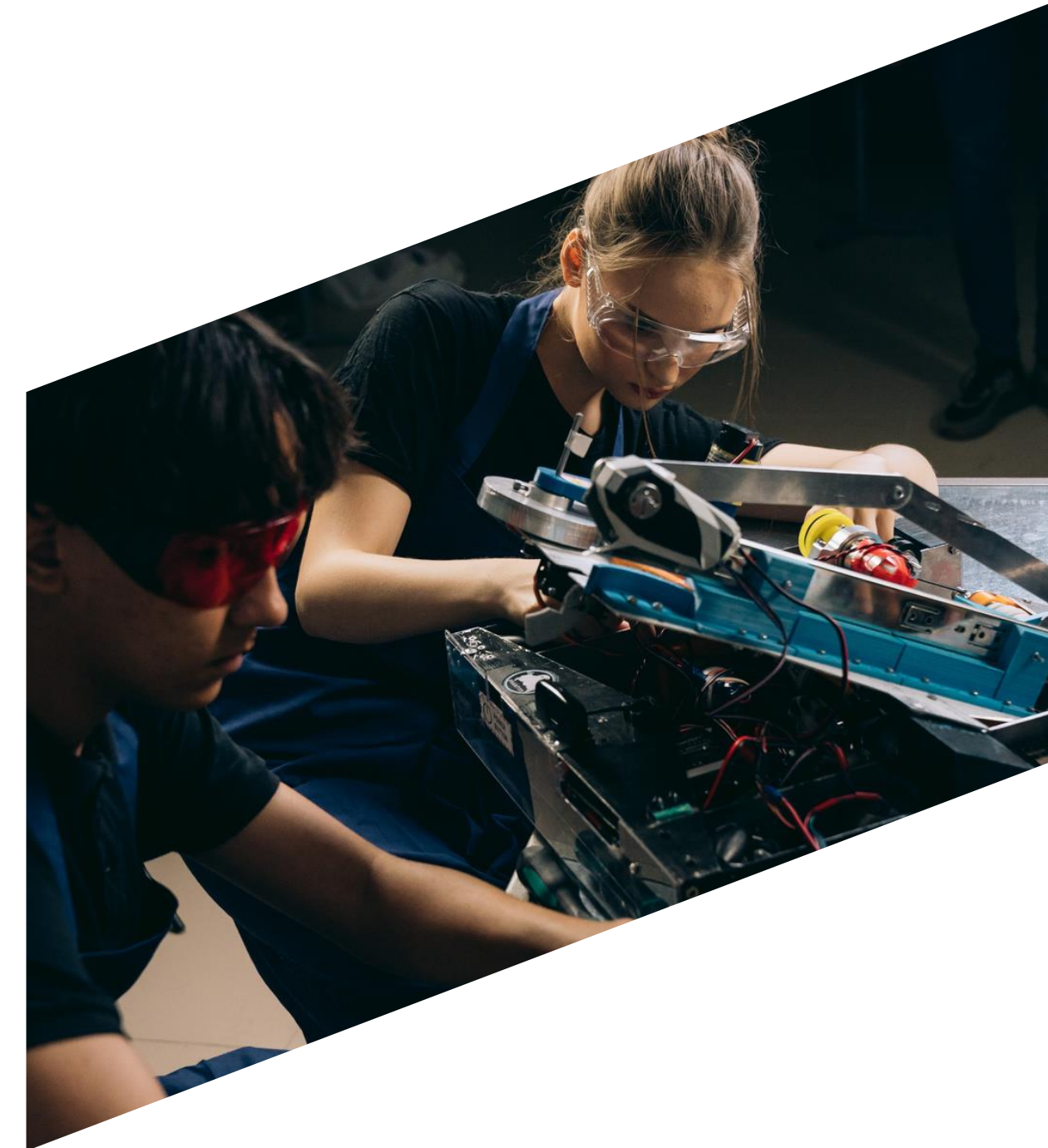


Enhanced Training

This funding aims to equip these programs with cutting-edge tools, facilitating hands-on learning, increasing skill workers, and accelerating on-boarding processes.

Funding Request Overview

| SKILL | Amount |
|--|--------------------|
|  Industrial Instrumentation | \$728,000 |
|  Artificial Intelligence | \$128,000 |
|  Engineering and Robotics | \$154,370 |
|  Chemistry Laboratory Technicians | \$532,500 |
|  Industrial Machining and Welding | \$355,500 |
| Total Request | \$1,897,870 |



Program Funding Impact and Benefits

Industrial Instrumentation

- Elevated training for technicians
- Local job growth potential = **14%**
- Average salary = **\$83,200**

AI and Geospacial Visualization

- Advanced computer workstations
- Local job growth potential = **10 - 24%**
- Average salary = **\$58,936 - \$124,800**

Engineering and Robotics

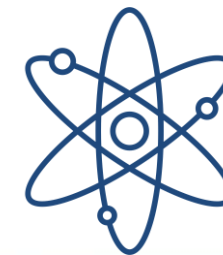
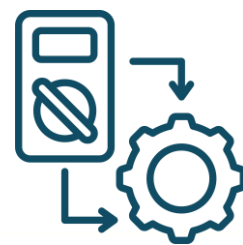
- Cutting-edge equipment for multiple disciplines
- Local job growth potential = **10 - 15%**
- Average salary = **\$65,000 - \$90,000**

Chemistry Lab Technicians

- Essential skills for chemical testing
- Local job growth potential = **12%**
- Average salary = **\$58,240**

Industrial Machining and Welding

- Hands-on training with CNC and plasma cutting tools
- Local job growth potential = **15%**
- Average salary = **\$53,768 - \$92,993**



Program Funding and Employers Impacted

Industrial Instrumentation

Cheniere Energy, Inc.
Enbridge
Tesla

AI and Geospacial Visualization

Port of Corpus Christi
City of Corpus Christi
Percheron Operating, LLC

Engineering and Robotics

Schneider Electric
Steel Dynamics
Dixie Iron Works, Ltd.

Chemistry Lab Technicians

Valero
Flint Hills Resources
Department of State Health Services

Industrial Machining and Welding

Chemours
CCAD
Gulf Coast Growth Ventures
(ExxonMobil, SABIC)

Del Mar College partners with local employers to match programs with regional job needs.



Competing Texas Metropolitan Programs



Austin

Austin Community College Bond Programs

Dollars raised through local bond measures to enhance workforce training programs in:

- Health Sciences
- Information Technology
- Advanced Manufacturing



Dallas

High Demand Job Training Program

Partnership with local workforce boards and the EDC to provide funding for:

- Advanced Manufacturing
- Information Technology
- Energy



San Antonio

Alamo Academies

Utilization of local sales tax incentives to Alamo Colleges District in support of specialized training:

- Aerospace
- Manufacturing
- Information Technology
- Advanced Manufacturing



Houston

Houston Community College Workforce Program

Funded via local property tax revenues; specialty workforce training centers providing training in:

- Healthcare
- Energy
- Logistics

Strategic Importance

1. Attraction and Retention via Innovation:

- Aligns with Del Mar College's mission to provide quality education and workforce preparation for Corpus Christi.

2. Workforce Development:

- Develop a pipeline and steady supply of skilled workers for high-demand careers.
- Positions and solidifies Corpus Christi as a technical education and workforce hub.

3. Competition:

- Competition from San Antonio, Houston, Austin and Dallas: risk of losing our local talent and youth to competitive workforce programs, markets, and cities.



