

# 2021-22 MANUFACTURING

The Manufacturing Career Cluster incorporates six pathways: production; manufacturing production process development; maintenance, installation & repair; quality assurance; logistics and inventory control, and health, safety & environmental assurance. Students prepare for careers that require planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities.

## SECONDARY

### ENROLLMENT

**7,129**

Enrollments in High School Programs



**+ 1,082**

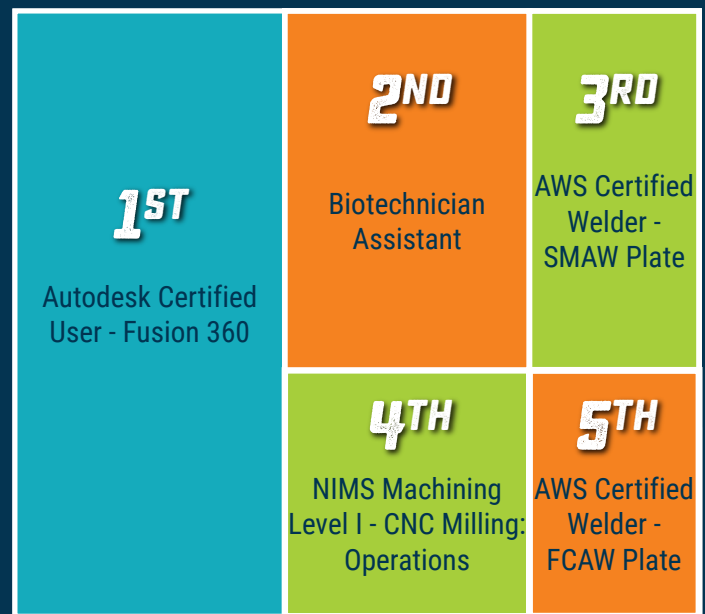
Enrollments in Middle School Programs



**= 8,211**

= 1,000

### TOP CERTIFICATIONS EARNED BY K-12 STUDENTS



### TOP HIGH SCHOOL PROGRAMS

Welding Technology Fundamentals (3,503)

Advanced Manufacturing Technology (1,718)

Industrial Biotechnology (1,271)

Machining Technology (527)

Manufacturing Directed Study (108)

### ARTICULATION PATHWAY TO COLLEGE

MSSC Certified Production Technician (CPT)

Articulates 15 credits

Engineering Technology A.S. Degree

**\$1,603.50** in State College Tuition Savings

# POSTSECONDARY & EMPLOYMENT

## DISTRICT POSTSECONDARY ENROLLMENT

**8,254**

Enrollment

**31**

Districts



### TOP CERTIFICATIONS

**1<sup>ST</sup>**

AWS Certified Welder - SMAW Plate

**2<sup>ND</sup>**

AWS Certified Welder - FCAW Plate

**3<sup>RD</sup>**

AWS Certified Welder - GMAW Plate

### TOP PROGRAMS

Welding (CAR) (6,151)

Machining Technologies (CAR) (328)

Sheet Metal Fabrication Technology - Apprenticeship (CAR) (184)

Major Appliance and Refrigeration Technician (CAR) (174)

Electrical and Instrumentation Technology (CAR) (174)

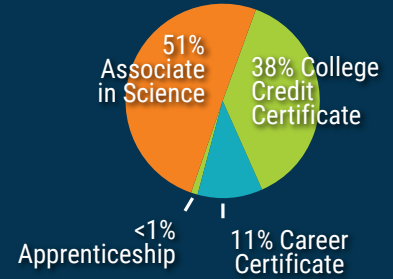
## COLLEGE SYSTEM ENROLLMENT

**8,923**

Enrollment

**28**

Colleges



### TOP CERTIFICATIONS

**1<sup>ST</sup>**

AWS Certified Welder - SMAW Plate

**2<sup>ND</sup>**

AWS Certified Welder - FCAW Plate

**3<sup>RD</sup>**

NCCER Welding - Level 1 (Postsecondary)

### TOP PROGRAMS

Engineering Technology (AS) (2,005)

Industry Operations Specialist (CCC) (1,726)

Chemical Technology (AS) (954)

Welding Technology (CAR) (874)

Electronics Engineering Technology (AS) (683)

## EMPLOYMENT OUTLOOK

**HIGH WAGE**

**\$53.70**

Per Hour Mean Wage

General and Operations Managers\*

**ANNUAL OPENINGS**

**1,920**

Annual Openings

Welders, Cutters, Solderers, and Brazers

**HIGH GROWTH**

**2.05%**

Annual Growth Rate

Industrial Machinery Mechanics

\* Indicates data sourced from the Florida College System (FCS) Employment Data