

2023-24 MANUFACTURING

The Manufacturing Career Cluster incorporates six pathways: production; manufacturing production process development; maintenance, installation and repair; quality assurance; logistics and inventory control; and health, safety and 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

7,228


Students Enrolled in High School Programs



+ 1,151

Students Enrolled in Middle School Programs



 = 1,000

= 8,379

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

Autodesk Certified User - Fusion 360

2ND

Biotechnician Assistant

3RD

AWS Certified Welder - SMAW Plate

4TH

MSSC Certified Production Technician (CPT)

5TH

AWS Certified Welder - FCAW Plate

TOP HIGH SCHOOL PROGRAMS

1. Welding Technology Fundamentals (3,819)
2. Advanced Manufacturing Technology (1,603)
3. Industrial Biotechnology (1,277)
4. Machining Technology (390)
5. Manufacturing Directed Study (137)

ARTICULATION PATHWAY TO COLLEGE

MSSC Certified Production Technician (CPT)

Articulates 15 credits

Engineering Technology A.S. Degree

\$1,601.70 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

DISTRICT POSTSECONDARY ENROLLMENT

3,852
Students Enrolled

30
Districts



TOP CERTIFICATIONS

1ST

AWS Certified
Welder - SMAW
Plate

2ND

AWS Certified
Welder - FCAW
Plate

3RD

AWS Certified
Welder - GMAW
Plate

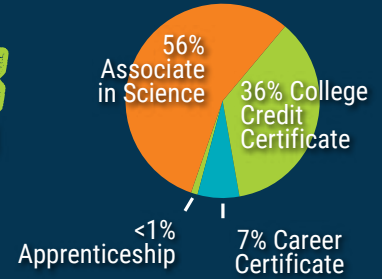
TOP PROGRAMS

1. Welding (CAR) (2,598)
2. Millwright (APPR) (178)
3. Machining Technologies (CAR) (152)
4. Sheet Metal Fabrication Technology (APPR) (147)
5. Machining (APPR) (125)

COLLEGE SYSTEM ENROLLMENT

15,608
Students Enrolled

28
Colleges



TOP CERTIFICATIONS

1ST

AWS Certified
Welder - FCAW
Plate

2ND

AWS Certified
Welder - SMAW
Plate

3RD

AWS Certified Welder
- GTAW Pipe (Carbon
Steel)

TOP PROGRAMS

1. Industry Operations Specialist (CCC) (6,405)
2. Chemical Technology (AS) (2,002)
3. Engineering Technology (AS) (1,982)
4. Welding Technology (CAR) (986)
5. Electronics Engineering Technology (AS) (683)

EMPLOYMENT OUTLOOK

HIGH WAGE

\$47.51

Per Hour Mean Wage

General and Operations Managers*

ANNUAL OPENINGS

1,917

Annual Openings

Welders, Cutters, Solderers and
Brazers*

HIGH GROWTH

2.15%

Annual Growth Rate

Industrial Machinery Mechanics

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