



MANUFACTURING

The Manufacturing Career Cluster incorporates six pathways: production; manufacturing production process development; maintenance, installation & repair; quality assurance; logistics & 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.

2019-20

6,394

enrollments in High School programs



+ 1,084

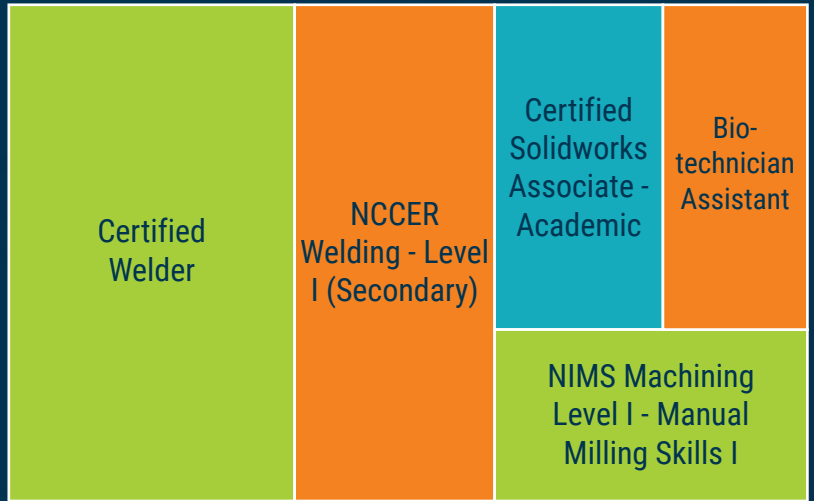
enrollments in Middle School programs



=

7,478

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS



TOP HIGH SCHOOL PROGRAMS

Welding Technology Fundamentals (2,013)

Industry Biotechnology (1,619)

Advanced Manufacturing Technology (1,485)

Machining Technology (356)

Applied Welding Technology (266)

ARTICULATION PATHWAY TO COLLEGE

MSSC Certified Production Technician (CPT) (MSSCN001)

Articulates 9 credits

Manufacturing Technology A.S. Degree

\$961.56 in State College Tuition Savings

POSTSECONDARY & EMPLOYMENT

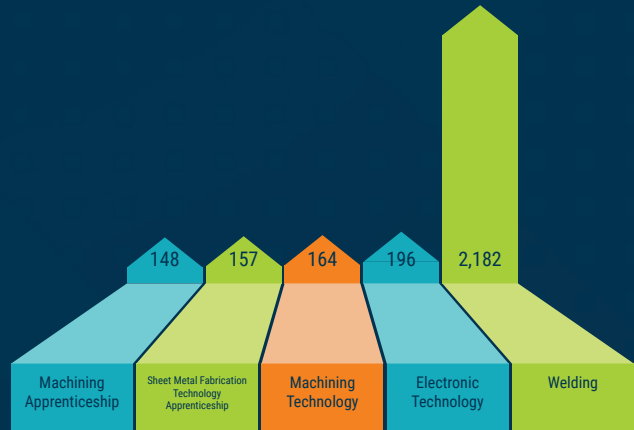
3,258
DISTRICT POSTSECONDARY
PROGRAMS



82%
certificate

18%
Apprenticeship

TOP PROGRAMS



TOP CERTIFICATIONS EARNED BY DISTRICT POSTSECONDARY STUDENTS

1ST
AWS Certified
Welder-SMAW Plate

2ND
AWS Certified
Welder-FCAW Plate

3RD
Associate Certified
Electronics Technician (CETa)

EMPLOYMENT OUTLOOK

HIGH GROWTH
1.41%
Growth Rate

Welders, Cutters,
Solderers & Brazers

HIGH WAGE
\$23.30
per hour Mean Wage

Industrial Machinery
Mechanics

ANNUAL OPENINGS
1,812
Annual Openings

Welders, Cutters,
Solders & Brazers



Notes: Based on 2019-2020 data. Postsecondary enrollment is limited to district programs and includes dual enrollment students.