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.

6,394 enrollments in High School programs

+ 1,084 enrollments in Middle School programs

= 7,478

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

- Certified Welder
- NCCER Welding - Level I (Secondary)
- Certified Solidworks Associate - Academic
- Bio-technician Assistant
- NIMS Machining Level I - Manual Milling Skills I

2019-20

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)

$961.56 in State College Tuition Savings

ARTICULATION PATHWAY TO COLLEGE

- MSSC Certified Production Technician (CPT) (MSSCN001)
- Articulates 9 credits
- Manufacturing Technology A.S. Degree
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,
Solderers & Brazers

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