



# 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.

2018-19

**6,394**  
enrollments in  
High School  
programs



+

**1,084**  
enrollments in  
Middle School  
programs



=

**7,478**

= 1,000

## Top High School Programs

**Welding Technology Fundamentals (2,013)**

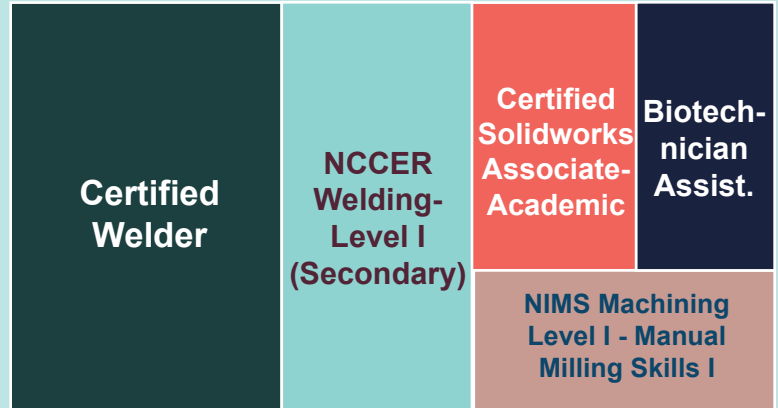
**Industry Biotechnology (1,619)**

**Advanced Manufacturing Technology (1,485)**

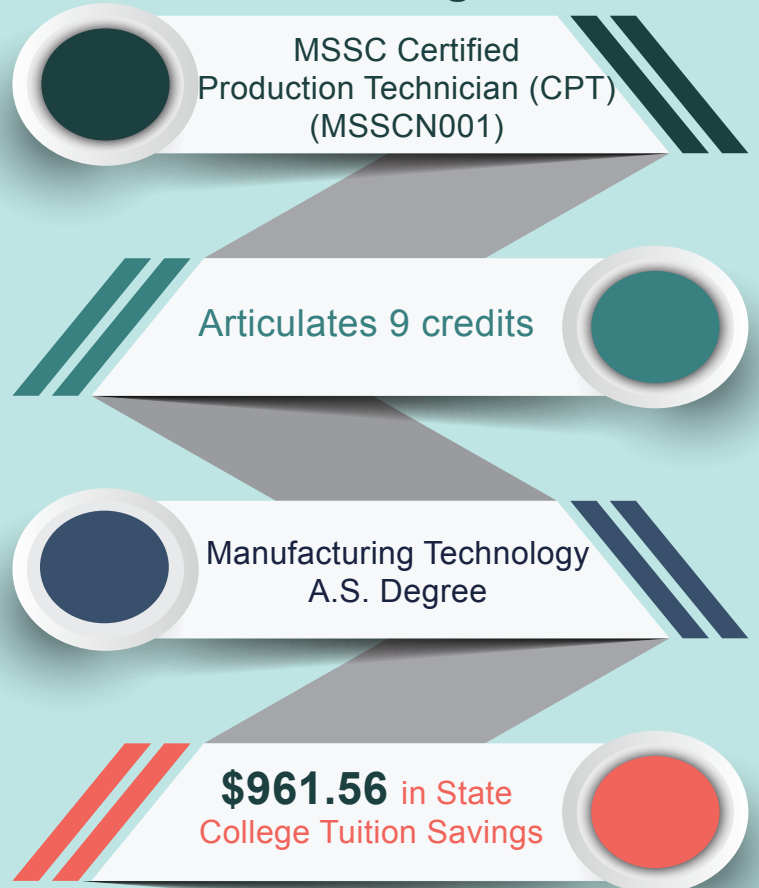
**Machining Technology (356)**

**Applied Welding Technology (266)**

## Top Certifications Earned by K-12 Students



## Articulation Pathway to College





3,258

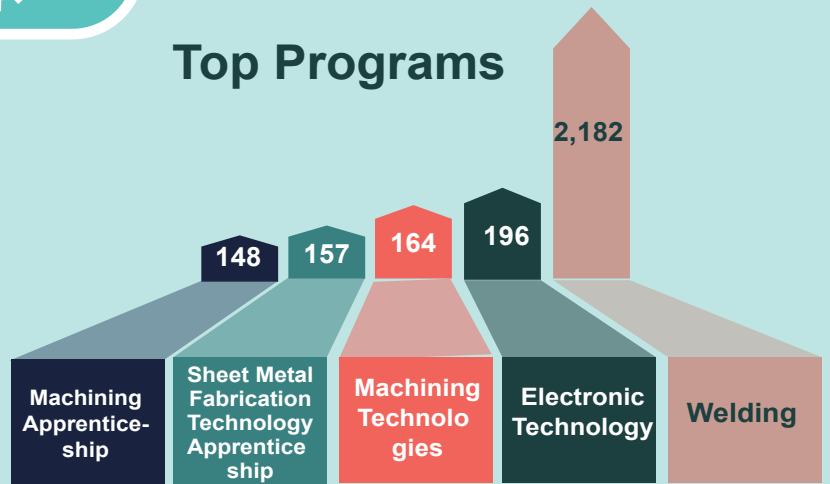
District Postsecondary Enrollments



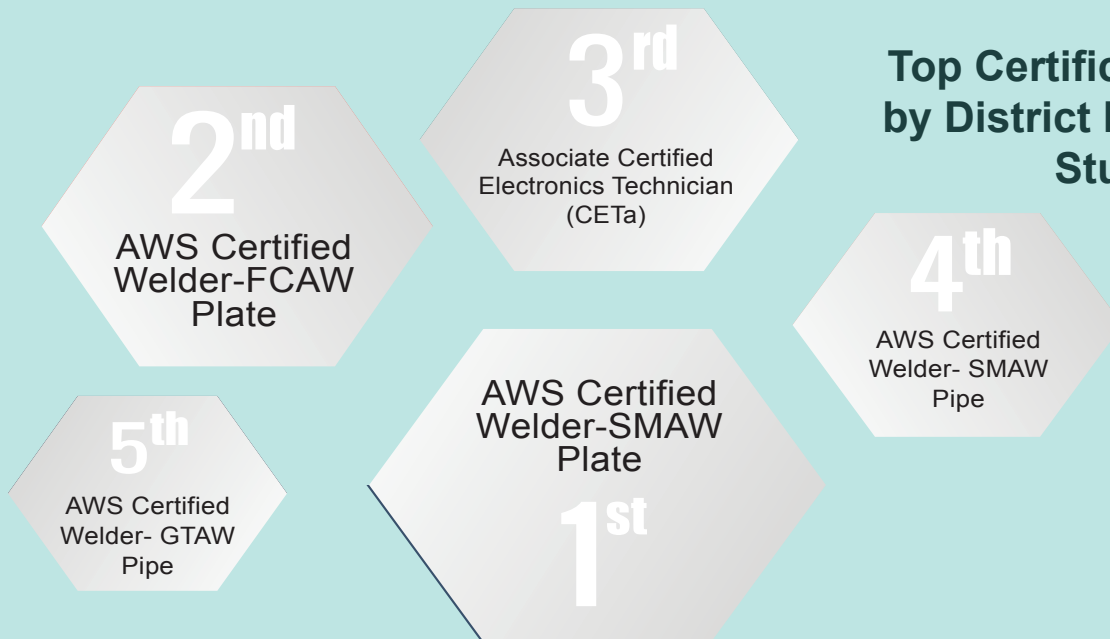
82% Certificate

18% Apprenticeship

Top Programs



Top Certifications Earned by District Postsecondary Students



Employment Outlook

High Growth



Welders, Cutters, Solderers & Brazers

High Wage



Industrial Machinery Mechanics

Annual Openings



Welders, Cutters, Solderers, and Brazers

Notes: Based on 2018-19 data. Postsecondary enrollment is limited to district programs and includes dual enrollment students. Enrollment outlook is based on the 2019-20 Statewide Demand Occupations List.