MANUFACTURING
Advanced Manufacturing and Machinery Mechanics, Welding
Endorsement: Business & Industry

The Manufacturing career cluster focuses on planning and managing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

CAMPUS
Austin HS
Energy Institute Heights HS
Houston MSTC
Barbara Jordan Career Center
Madison HS
Milby HS
Sharpstown International
Sterling HS
Wisdom HS

INDUSTRY-BASED CERTIFICATIONS OFFERED
• Certified SolidWorks Associate (CSWA)
• Autodesk Certified Professional or User (ACU) – Inventor
• NCCER Welding, Level 1

CAREER OCCUPATIONS*

HIGH SCHOOL DEGREE
Welder, Cutter, Solderer, and Brazer
Median Salary: $47,979
Annual Openings: 2,530

Industrial Machinery Mechanic
Median Salary: $59,443
Annual Openings: 1,251

Electrical & Electronics Repairer, Commercial & Industrial Equipment
Median Salary: $56,270
Annual Openings: 216

ASSOCIATE’S DEGREE
Mechanical Engineering Technician
Median Salary: $69,530
Annual Openings: 241

Electrical and Electronic Engineering Technician
Median Salary: $67,552
Annual Openings: 511

Industrial Engineering Technician
Median Salary: $70,123
Annual Openings: 76

BACHELOR’S DEGREE
Industrial Production Manager
Median Salary: $118,277
Annual Openings: 278

OTHER OCCUPATIONS*

DESCRIPTION
Computer Numerically Controlled Machine Tool Programmer – Metal and Plastic
Median Salary: $52,836
Annual Openings: 109
Growth: 55%

Machinist
Median Salary: $49,804
Annual Openings: 1,349
Growth: 26%

Aerospace Engineering and Operations Technician
Median Salary: $76,208
Annual Openings: 37
Growth: 25%

Computer-Controlled Machine Tool Operator – Metal and Plastic
Median Salary: $41,380
Annual Openings: 524
Growth: 24%

Electrical and Electronics Drafter
Median Salary: $58,755
Annual Openings: 118
Growth: 21%

Mechanical Drafter
Median Salary: $66,592
Annual Openings: 232
Growth: 21%

Millwright
Median Salary: $55,725
Annual Openings: 140
Growth: 20%

Electric Motor, Power Tool, and Related Repairer
Median Salary: $41,232
Annual Openings: 61
Growth: 20%

Maintenance Worker – Machinery
Median Salary: $41,114
Annual Openings: 364
Growth: 19%

Production, Planning, and Expediting Clerk
Median Salary: $48,576
Annual Openings: 1,090
Growth: 18%

*Source: TEA/Texaswages.com

To learn more about our CTE Programs please visit https://www.HoustonISD.org/CareerReadiness or any of the campuses listed.