

# 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.

### CAMPUSES

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	MEDIAN SALARY	ANNUAL OPENINGS	GROWTH
Computer Numerically Controlled Machine Tool Programmer – Metal and Plastic	\$52,836	109	55%
Machinist	\$49,804	1,349	26%
Aerospace Engineering and Operations Technician	\$76,208	37	25%
Computer-Controlled Machine Tool Operator – Metal and Plastic	\$41,380	524	24%
Electrical and Electronics Drafter	\$58,755	118	21%
Mechanical Drafter	\$66,592	232	21%
Millwright	\$55,725	140	20%
Electric Motor, Power Tool, and Related Repairer	\$41,232	61	20%
Maintenance Worker – Machinery	\$41,114	364	19%
Production, Planning, and Expediting Clerk	\$48,576	1,090	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.