

MANUFACTURING

Advanced Manufacturing and Machinery Mechanics, Welding

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	Jordan Career Center	Sharpstown International HS
Energy Institute	Madison HS	Wisdom HS
Heights HS	Milby HS	
Houston MSTC 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.

