

Skilled-Trades Labor Evidence and Classification



NAME _____

DATE _____

PERIOD _____

Published Course Rule and Fixed Evidence

These are classroom comparison labels, not official government designations.

- **High-skill:** documented apprenticeship, moderate/long-term OJT, postsecondary award, or regulated license/credential boundary.
- **High-wage:** May 2024 U.S. median above \$49,500.
- **High-demand for this comparison:** 2024–34 growth above 3.1%.

OCCUPATION	U.S. MEDIAN	GROWTH	ANNUAL OPENINGS	PREPARATION SUMMARY
Electricians	\$62,350	9%	81,000	HS typical; most learn through apprenticeship; Texas license boundary
Plumbers, Pipefitters, and Steamfitters	\$62,970	4%	44,000	HS typical; most learn through apprenticeship; Texas registration/license boundary
HVAC Mechanics and Installers	\$59,810	8%	40,100	Postsecondary nondegree award typical; long-term OJT; Texas technician/contractor boundary
Welders, Cutters, Solderers, and Brazers	\$51,000	2%	45,600	HS typical; technical and OJT routes; employer/process credentials vary

Source basis: May 2024 U.S. medians and 2024–34 national projections, BLS. Openings include replacement needs and do not prove a DFW shortage.

Word bank / Banco de palabras: median/mediana · growth/crecimiento · openings/vacantes · preparation/preparación · limitation/limitación

Electricians and Plumbing/Pipefitting

Complete frame: [Occupation] is/is not high-[label] under the course rule because [exact evidence].

ELECTRICIANS

High-skill? Circle YES / NO. Record exact preparation evidence:

High-wage? Circle YES / NO. Record exact salary evidence:

High-demand? Circle YES / NO. Record exact growth evidence:

One limitation or claim the data does not prove:

PLUMBERS, PIPEFITTERS, AND STEAMFITTERS

High-skill? Circle YES / NO. Record exact preparation evidence:

High-wage? Circle YES / NO. Record exact salary evidence:

High-demand? Circle YES / NO. Record exact growth evidence:

One limitation or claim the data does not prove:

HVAC and Welding

Complete frame: [Occupation] is/is not high-[label] under the course rule because [exact evidence].

HVAC MECHANICS AND INSTALLERS

High-skill? Circle YES / NO. Record exact preparation evidence:

High-wage? Circle YES / NO. Record exact salary evidence:

High-demand? Circle YES / NO. Record exact growth evidence:

One limitation or claim the data does not prove:

WELDERS, CUTTERS, SOLDERERS, AND BRAZERS

High-skill? Circle YES / NO. Record exact preparation evidence:

High-wage? Circle YES / NO. Record exact salary evidence:

High-demand? Circle YES / NO. Record exact growth evidence:

One limitation or claim the data does not prove:

Compare, Conclude, and Limit

How can welding show many annual openings while its growth rate stays below the course high-demand threshold?

One conclusion supported by preparation, wage, and trend evidence:

One limitation of using national medians and projections for a local career choice:
