

# CTE Welding Instructor

## Welding Instructor

The CTE Welding Instructor will prepare students for high-demand careers in the manufacturing and construction industries. This role involves delivering hands-on instruction in various welding processes, blueprint reading, and metallurgy, while maintaining an industry-standard lab environment and ensuring all students adhere to rigorous safety protocols.

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### Instructional Responsibilities

- **Curriculum Delivery:** Design and implement a comprehensive welding program aligned with the **American Welding Society (AWS)** SENSE standards and Illinois Learning Standards.
  - **Technical Instruction:** Provide expert-level training in **SMAW** (Stick), **GMAW** (MIG), **GTAW** (TIG), and **FCAW** (Flux-core), as well as oxy-fuel and plasma cutting.
  - **Safety Management:** Maintain a "Safety First" culture. Conduct regular equipment inspections, manage PPE inventory, and ensure compliance with **OSHA** standards within the shop.
  - **Industry Certification:** Prepare students to sit for industry-recognized certifications (e.g., AWS Certified Welder and OSHA 10) and track student competency gains.
  - **Work-Based Learning:** Coordinate with the CTE Administrator and CTE Division Leader to facilitate internships, job shadowing, and apprenticeship opportunities for senior students.
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### ISBE Certification & Qualifications

Candidates must meet Illinois State Board of Education (ISBE) requirements through one of the following pathways. If you do not currently hold a license, our district will assist qualified industry professionals in the application process.

#### Option 1: Educator License with Stipulations (ELS-CTE)

Ideal for industry professionals with some college credit.

- **Education:** Minimum of **60 semester hours** of college coursework from a regionally accredited institution.
- **Experience:** Documented minimum of **2,000 hours** (approx. 1 year) of work experience in the welding/manufacturing field.

#### Option 2: Provisional Educator License with Stipulations (ELS-CTEP)

Ideal for highly experienced tradespeople without college degrees.

- **Experience:** Documented minimum of **8,000 hours** (approx. 4 years) of work experience in the welding field.

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- **Requirement:** This license is valid for 5 years; the candidate must typically complete 60 hours of college credit or a pedagogy program within that timeframe for renewal.

## **Option 3: Professional Educator License (PEL)**

Ideal for traditionally trained teachers.

- **Endorsement:** Must hold a PEL with an endorsement in **Industrial Technology** or **Manufacturing** (CIP Code 48.0508).
- **Experience:** At least **2,000 hours** of industry experience is still highly preferred for CTE-funded programs.