

WELDING NCCER FAST-TRACK CERTIFICATE



A Program Overview of the Energy, Manufacturing & Construction Area of Study

Updated as of May 2018



Programs At-A-Glance

Welding NCCER Fast-Track Certificate

Available at LSC-North Harris

LoneStar.edu/Welding-NCCER-Workforce-Certificate

'Entry-Level Wage: Vary by Industry

Welding is a high-tech industry that takes place in all countries across the globe. It is used in one way or another in all manufacturing and processing industries. It is used in building space vehicles, computers to food processing as well as agriculture production. It is also prominent in manufacturing for national defense, the varied welding industry impacts virtually every industry.

The Construction Industry Institute Report 318 estimates that there will be a need for 181,390 additional welders in the U.S. by 2018. Technology is creating more uses for welding in the workplace. For example, new ways are being developed to bond dissimilar materials and non-metallic materials, such as plastics, composites, and new alloys. Also, advances in laser beam and electron beam welding, new technologies and techniques all point to an increasing need for highly trained and skilled workers.

Lone Star College uses the NCCER's welding curriculum that covers topics such as Oxy-fuel Cutting, Plasma Arc Cutting (PAC), Carbon Arc Cutting (CAC) Welding Symbols, welding in all positions using the Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Gas Tungsten Arc Welding (GTAW). Lone Star College/ NCCER Welding curriculum also correlates to the AWS SENSE (Schools Excelling through national Skills Education) standards and guidelines for Entry Welder.

FOR MORE INFORMATION:

Please contact the Continuing Education Department
at LSCCE@LoneStar.edu for more information.

NCCER develops standardized construction and maintenance curriculum and assessments with portable credentials. These credentials are tracked through NCCER's Registry System that allows organizations and companies to track the qualifications of their craft professionals and/or check the qualifications of possible new hires. NCCER's Registry System also assists craft professionals by maintaining their records in a secure database.



'Wage Data' is based on annual salaries from Bureau of Labor Statistics, U.S. Department of Labor, Occupational Employment Statistics, 2016, www.bls.gov/oes.

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**Welding NCCER
Fast-Track Certificate**
358 Contact Hours

**Corporate
College**

NCCER Core - Construction Methods/Materials

Fundamentals of Oxy-Fuel Welding/Cutting

Introduction (SMAW) NCCER

Intermediate (SMAW) NCCER

Professional development opportunities are available for additional training and licensure.

Representative career titles and job positions for this program plan include:

- **Fabrication Welder**
- **Maintenance Welder²**

¹Entry-Level Wage: Vary by Industry

¹Wage Data is based on annual salaries from Bureau of Labor Statistics, U.S. Department of Labor, Occupational Employment Statistics, 2016, www.bls.gov/oes.

²Position titles vary by employer and location.

**Complete your
Welding NCCER
Fast-Track Certificate
in 1 Year!**

For more information on gainful employment, visit LoneStar.edu/GainfulEmployment.



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