NCCER is a not-for-profit 501 (c)(3) education foundation created by the construction industry to develop standardized curriculum with portable credentials and to help address the skilled construction workforce shortage. NCCER is recognized by the industry as the training, assessment, certification, and career development standard for the construction and maintenance industry. For more information visit www.nccer.org or contact NCCER customer service at 888.622.3720.

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NCCER Accreditation Overview

NCCER’s accreditation process ensures that students and craft professionals receive quality training based on uniform standards and criteria. These standards are outlined in the NCCER Accreditation Guidelines and must be adhered to by all NCCER Accredited Training Sponsors and Accredited Assessment Centers.

Accredited Training Sponsors (ATS) & Accredited Training and Education Facilities (ATEF)

ATSs and ATEFs are entities that have been approved by NCCER as having the resources to effectively conduct a quality training program that utilizes NCCER curricula.

Curricula

- Developed by subject matter experts to industry standards
- Compliant with the Department of Labor Office of Apprenticeship requirements for time-based training
- Align with Perkins IV requirements for industry credentials and programs of study

Training

The training process itself is portable and is taught across the country in a variety of environments including, businesses, secondary schools, colleges and associations, using the same curriculum and standardized process.

- Delivered through accredited organizations
- Taught by NCCER-trained and certified instructors
- Recorded in the NCCER Registry System

Instructor Certifications

NCCER’s instructor certification programs ensure uniform and consistent delivery of training. Through these programs, NCCER certifies the Master Trainer, who in turn certify the local craft instructor. This network of certified instructors assures that NCCER training programs meet the standards of instruction set by the industry.

Most Common Programs

- Core Curriculum
- Carpentry
- Electrical
- HVAC
- Welding
NCCER Registry System

In an effort to provide students and craft professionals with industry-recognized credentials and ensure national portability of skills, NCCER maintains a credentialing and certification system through its registry. This secure online database tracks both training and/or assessments for participants.

For training, the NCCER Registry System provides transcripts, certificates and wallet cards to students who successfully complete an NCCER curriculum through an NCCER Accredited Training Sponsor. A transcript, certificate and a wallet card are issued when a trainee completes Core Curriculum or any full level of a craft.* These industry credentials allow participants to provide easy verification of training for current or future employers.

*Level One trainees must also complete the Core Curriculum to receive a Level One Completion Certificate in most crafts.

Credentials

Training program participants receive credentials that validate they are NCCER trained.

- Credentials are awarded when students reach established benchmarks; for example, completing Core Curriculum and Level 1 of any craft.

- Qualified students will receive NCCER wallet cards, and online training transcripts that identify them as NCCER Trained. Transcripts detail the specific modules and levels completed.

NCCERconnect®

NCCER’s standardized craft training curricula online supplement, NCCERconnect, saves instructors and sponsors time and money. Apprentices and trainees complete coursework faster, while achieving greater knowledge retention that enhances the attainment of skills competency.

Available on NCCERconnect®

- Carpentry Levels 1-4
- Construction Technology Levels
- Core Curriculum
- Electrical Levels 1-4
- Electronic Systems Technician Levels 1-4
- Fundamentals of Crew Leadership
- Heavy Equipment Levels 1-3
- HVAC Levels 1-4
- Plumbing Levels 1-4
- Welding Levels 1-4
NCCER Scope and Engagement

Participating Sectors and Organizations

Government
- Job Corps
- YouthBuild
- Corrections
- State & Local
- Workforce Agencies
- Military
- State Licensing Agencies

Workforce
- Owners
- Contractors
- Associations
- Organized Labor
- Leased Labor

Industry
- Construction
- Pipeline
- Manufacturing
- Maritime
- Petrochemical Energy

Education
- Secondary Schools
- Community Colleges
- Career Colleges
- Propriety Schools
- Training Academies
- Employment Based

Accreditation Status

700+ Training Sponsors
400+ Assessment Centers (accredited, candidate and applicant status)
3500+ Public Schools

Growth in Module Completions and Utilization

14 Million Module Completions to Date

Year

Millions of Modules Completed
State of Industry and Career Outlook

Overview of projections to 2022

“Between 2012 and 2022, the influence of changing demographics is expected to be felt across all facets of the economy examined in the BLS projections. The dominant pattern of declining labor force participation is projected to continue, largely because of the substantial number of baby boomers moving into older age cohorts, in which participation is lower. ... The construction industry, as well as the occupations that support it, also will experience rapid growth in employment and output. Employment in the construction sector is expected to return to its long-term trend of increase, a rebound consistent with expectations about future population growth and the need to replace older structures.”


“I believe strongly that the development of a highly educated workforce is a fundamental element of the expansion and vigor of the state’s economy. Critical to this relationship is career and technical education (CTE).”

- Bill Ritter, Jr., former governor of Colorado
“The time has come to make career, technical and vocational education a priority in every high school in Indiana.”

- Mike Pence, former governor of Indiana, current vice president of the United States of America
### 2015 Construction Craft Salary Survey Results

<table>
<thead>
<tr>
<th>Craft</th>
<th>Average Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boilermaker</td>
<td>$58,856</td>
</tr>
<tr>
<td>Commercial Carpenter</td>
<td>$53,664</td>
</tr>
<tr>
<td>Industrial Carpenter</td>
<td>$54,157</td>
</tr>
<tr>
<td>Commercial Electrician</td>
<td>$57,741</td>
</tr>
<tr>
<td>Industrial Electrician</td>
<td>$58,537</td>
</tr>
<tr>
<td>Electronic Systems Technician</td>
<td>$61,265</td>
</tr>
<tr>
<td>Heavy Equipment Operator</td>
<td>$61,091</td>
</tr>
<tr>
<td>HVAC Technician</td>
<td>$52,026</td>
</tr>
<tr>
<td>Industrial Coatings Applicator</td>
<td>$56,160</td>
</tr>
<tr>
<td>Industrial Maintenance Mechanic</td>
<td>$57,344</td>
</tr>
<tr>
<td>Instrumentation Fitter</td>
<td>$58,083</td>
</tr>
<tr>
<td>Instrumentation Technician</td>
<td>$67,380</td>
</tr>
<tr>
<td>Insulation Mechanic</td>
<td>$52,287</td>
</tr>
<tr>
<td>Ironworker</td>
<td>$57,196</td>
</tr>
<tr>
<td>Mason</td>
<td>$54,860</td>
</tr>
<tr>
<td>Millwright</td>
<td>$64,062</td>
</tr>
<tr>
<td>Mobile Crane Operator</td>
<td>$64,843</td>
</tr>
<tr>
<td>Pipefitter</td>
<td>$59,558</td>
</tr>
<tr>
<td>Plumber</td>
<td>$51,804</td>
</tr>
<tr>
<td>Power Generation Technician</td>
<td>$70,720</td>
</tr>
<tr>
<td>Powerline Worker</td>
<td>$70,217</td>
</tr>
<tr>
<td>Project Manager</td>
<td>$88,675</td>
</tr>
<tr>
<td>Project Supervisor</td>
<td>$77,917</td>
</tr>
<tr>
<td>Rigger</td>
<td>$57,122</td>
</tr>
<tr>
<td>Scaffold Builder</td>
<td>$47,166</td>
</tr>
<tr>
<td>Sheet Metal Worker</td>
<td>$49,189</td>
</tr>
<tr>
<td>Sprinkler Fitter</td>
<td>$59,072</td>
</tr>
<tr>
<td>Tower Crane Operator</td>
<td>$77,535</td>
</tr>
<tr>
<td>Welder: Combo</td>
<td>$70,535</td>
</tr>
<tr>
<td>Welder: Pipe</td>
<td>$62,509</td>
</tr>
<tr>
<td>Welder: Structural/Fabricator</td>
<td>$56,379</td>
</tr>
</tbody>
</table>

Survey data was provided by 89 voluntary organizations from the industrial and commercial construction industries across the U.S. Crafts for which the number of responses received were insufficient to calculate a valid average are not included in the survey results. All information submitted for this wage survey is considered confidential and is being used in summary. Identification of individual or company respondents is strictly confidential.

Figures above represent average annual salaries for individual craft areas, not including overtime, per diem or other incentives.
### Alignment Matrix

#### Perkins IV Requirements

**Leads to industry-recognized credentials** or certificates at the postsecondary level or an associate or baccalaureate degree

#### NCCER

Maintains a nationally industry-recognized credentialing system through the NCCER Registry System

Curricula and credentials delivered and issued through:
- Accredited organizations
- Certified instructors

Credentials come in the form of wallet cards, transcripts and certificates

**Meets levels of certification** or generates outcomes that can be measured against a set of standards

Developed to industry standards

Competency-based with measurable objectives

Verified through the demonstration of knowledge and skills

**Includes coherent and rigorous content** aligned with challenging academic standards and relevant career and technical content in a coordinated, non-duplicative progression of courses

Developed in conjunction with industry and academic subject matter experts

Structured in a sequence of increasing complexity by modules and levels

Knowledge and performance tests are required at the end of each module

**Requires the implementation of programs of study**, a systematic connection of secondary and postsecondary programs

Adopted by:
- State Departments of Education
- Career Colleges
- Private technical academies
- Four-year universities
- The construction and maintenance industries
- G.I. Bill
Successful Implementation of NCCER Programs

“Having the NCCER accreditation brings a lot of credibility to our program. Hands down, NCCER offers the best curriculum on the market, and we’ve been using it since 2000. Graduates can enter into their professional apprenticeships in the second year because we teach the exact same curriculum. The Tennessee Department of Labor allows our graduates to be exempt from first-year apprenticeships, providing the contractor who hires them is onboard.”

- Buck Coatney, work-based learning coordinator, Knox Schools

NCCER Best Practice Profiles: Knox Schools Connects with Industry Through Innovation

“Mississippi Construction Education Foundation’s (MCEF) NCCER craft training program oversees 200-250 craft instructors and approximately 4,500 high school students earn NCCER credentials each year. MCEF has developed an apprenticeship program for post-secondary craft training that had 309 students enrolled in 2012 alone. According to MCEF president and sponsor representative Mike Barkett, MCEF’s NCCER craft training programs have an 80% graduation rate and its apprenticeship programs have a 100% graduation rate.”

- NCCER Best Practice Profiles: Mississippi Construction Education Foundation

Quotes on CTE

“The economy for which old vocational education was built to serve no longer exists. CTE in Pennsylvania is designed to meet a dual mission developing students with college readiness skills and a career path. CTE is no longer an either/or choice, but a ‘BOTH/AND’ opportunity for student success.”

- Tom Corbett, former governor of Pennsylvania

Ronald J. Tomalis, Secretary of Education, PA

“Career and technical education can provide our students with a pathway to success. It can launch entrepreneurs, give kids a reason to finish high school and create a well-qualified workforce that will encourage business to build here and grow here. We have to give our kids, our future, every opportunity for success. That means quality schools, choices about their education and multiple pathways to success.”

- Mike Pence, former governor of Indiana, current vice president of the United States of America

“Career and technical education is the gold standard for 21st century learning and success. As we develop an economy increasingly rooted in ‘gold-collar’ careers, career and technical education engages students in the meaning of learning and starts them—very practically—on their individual pathways to success.”

- Gully Stanford, Director, College in Colorado Campaign
Sample Documents

Training Transcript

NCCER Certificate

Board of Trustees confers upon

Sample Student

this certificate of completion for

Core Curricula

in the Standardized Craft Training program

on this Twenty-seventh day of February, 2015

Donald E. Whyte
President, NCCER
For questions about NCCER programs and services, please call our toll free number:

1.888.622.3720