

# NCCER Overview

Addressing the Skilled Workforce Shortage Crisis

## CERN Meeting

April 18, 2008

Washington, DC

The logo graphic consists of several white, stylized vertical bars of varying heights and widths, resembling a bar chart or a city skyline. The tallest bar is on the left, with several shorter bars to its right. The bars are set against a dark blue curved shape at the bottom of the slide.

nccer

NATIONAL CENTER FOR CONSTRUCTION EDUCATION AND RESEARCH

*Affiliated with the University of Florida*



# About NCCER

## Don Whyte, President

The National Center for Construction Education and Research, affiliated with the University of Florida, is a not-for-profit 501 (c)(3) education foundation and is a leader in providing workforce development resources for the construction, maintenance and pipeline industry.

### Resources include:

- Accreditation
- Instructor Certification
- Standardized Industry-Driven Curricula
- Nationally Recognized Skill Assessments
- Industry-Recognized Credentialing & Certification
- Construction Career/Recruiting Resources
- Construction Safety and Front-line Management Education

# NCCER History



- Organized and funded By Leading Industrial Contractors
  - Contributed Subject Matter Experts (*SMEs*)
- Standardized 5 Key Industrial Crafts: electrical, pipefitting, millwright, welding, instrumentation
- Facilitated The Aspen Summit
- Developed The NCCER *National Standardized Training Process*
  - Standardized Curricula
  - Skills Portability through The National Registry

## FOUNDING INDUSTRY LEADERS

- ◆ Fluor
- ◆ KBR
- ◆ Zachry Construction
- ◆ Metric Constructors
- ◆ KCI
- ◆ Austin Industrial
- ◆ TIC (*The Industrial Company*)
- ◆ National Industrial Contractors
- ◆ BE&K Construction
- ◆ Washington Group/Rust Constructors
- ◆ Bechtel/Becon



# Focus Areas

- ✓ Craft Training
- ✓ Recruiting/Image
- ✓ Safety Training
- ✓ Management Education
- ✓ Research



# NCCER Partners

American Fire Sprinkler Association  
Associated Builders & Contractors, Inc.  
Associated General Contractors of America  
Association for Career and Technical Education  
Association for Skilled and Technical Sciences  
Carolinas AGC, Inc.  
Carolinas Electrical Contractors Association  
Center for the Improvement of Construction Management & Processes  
Construction Industry Institute  
Construction Users Roundtable  
Design-Build Institute of America  
Electronic Systems Industry Consortium  
Merit Contractors Association of Canada  
Metal Building Manufacturers Association  
NACE International  
National Association of Minority Contractors



# NCCER Partners

National Association of Women in Construction

National Insulation Association

National Ready Mixed Concrete Association

National Systems Contractors Association

National Technical Honor Society

National Utility Contractors Association

NAWIC Education Foundation

North American Crane Bureau

North American Technician Excellence

Painting & Decorating Contractors of America

Portland Cement Association

SkillsUSA

Steel Erectors Association of America

Texas Gulf Coast Chapter ABC

U.S. Army Corps of Engineers

University of Florida

Women Construction Owners & Executives, USA

# Vision and Mission



## **Our Vision**

Universally recognized by industry and government as the training, assessment, certification and career development standard for the construction, maintenance and pipeline craft professional

## **NCCER's Mission**

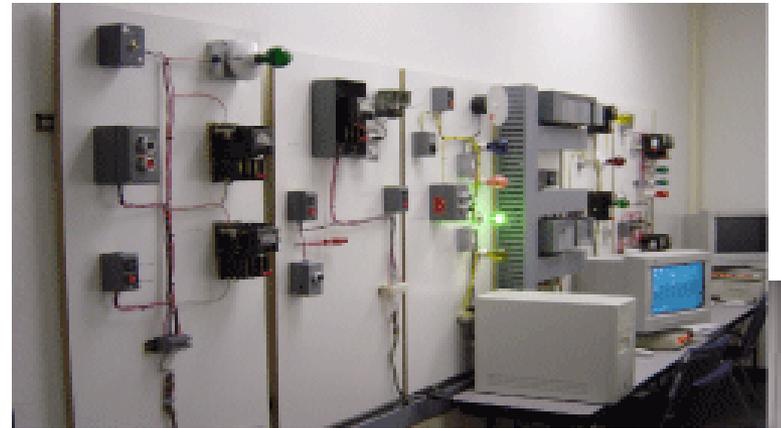
Build a safe, productive and sustainable workforce of craft professionals

- ◆ Build owner demand for training
- ◆ Build support for craft training through govt. entities
- ◆ Substantially increase the number of customers served



# Types of Training

- ◆ Apprenticeship
- ◆ Government Education
  - ◆ Department of Education
    - ◆ School-Based Vo-Tech
      - ◆ Secondary Vocational
        - ◆ Public
        - ◆ Charter High School
        - ◆ Adult Education
      - ◆ Public Post-secondary
        - ◆ Community College
        - ◆ Technical College
        - ◆ Career/Proprietary (For-profit)
    - ◆ Department of Labor
      - ◆ Job Corps, Youth Build,
      - ◆ Grant Programs - WIA, OJT, etc.
    - ◆ Department of Corrections
  - ◆ Construction
    - ◆ Regional/Corporate Training Center
    - ◆ Site/Project-Based
  - ◆ Owner
  - ◆ Manufacturer
  - ◆ Third-Party/Consultant





# Standardized Training Process

- Accreditation
- Instructor certification
- Standardized curriculum
- Assessment & certification
- Industry-Recognized Credentials

# Accreditation Growth



Over 600 Training Sponsors  
5 Candidate; 75 Applicants  
Nearly 350 Assessment Centers

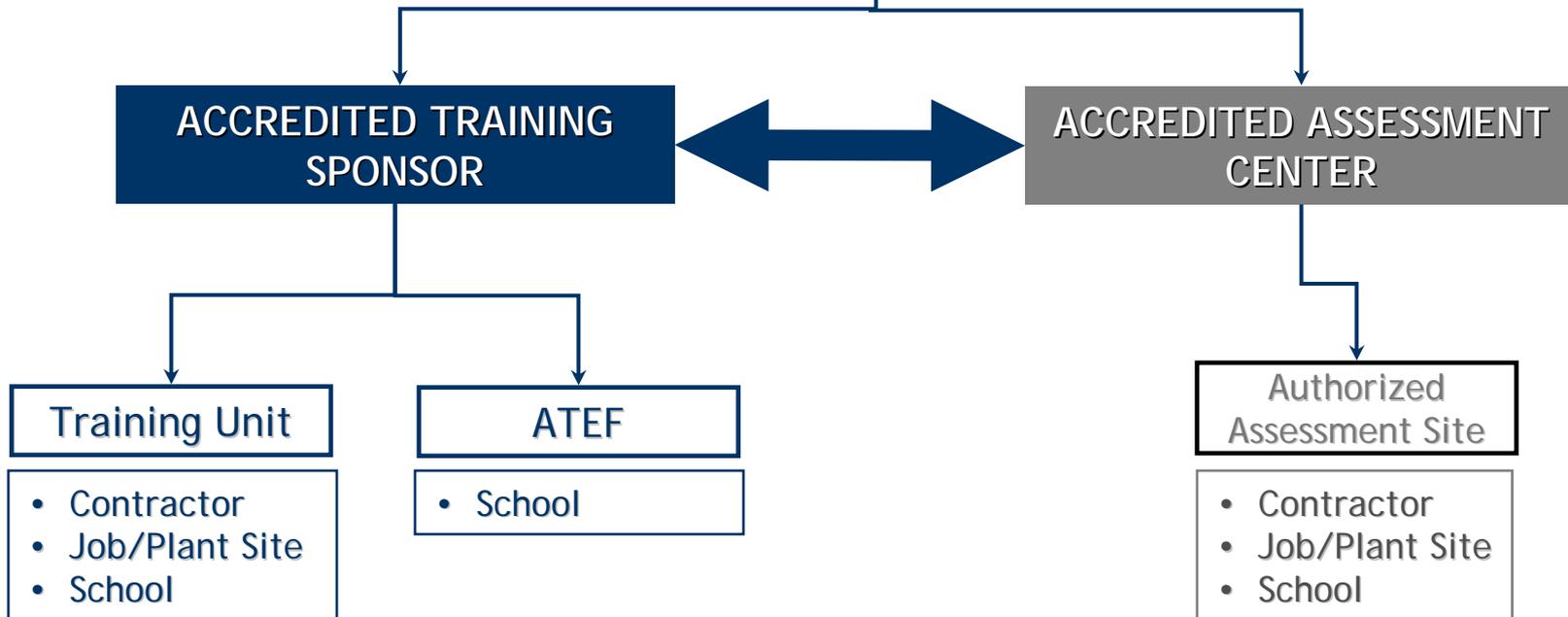
Over 3000 public schools  
Over 700 ATEFs

- ✓ Associations
- ✓ Contractors
- ✓ Owners
- ✓ Schools
- ✓ Consultants
- ✓ Corrections
- ✓ Unions

# Accreditation Process



- |   |
|---|
| <p><b>Eligible Organizations</b><br/>Contractors<br/>Association Chapters<br/>Organized Labor<br/>Owners<br/>Government Agencies<br/>Training Consultants<br/>Proprietary Schools</p> |
|---|

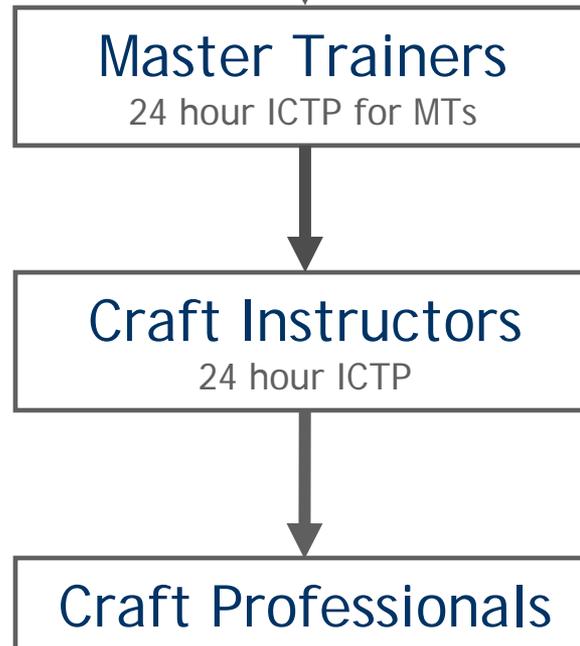




# Audits - Statistics

	2007		2008 YTD	
Audit Type	Orgs Audited	Number of Programs	Orgs Audited	Number of Programs
Follow Up	1	2	0	0
For Cause	5	10	0	0
Initial	57	81	1	1
Random	1	2	0	0
Reaccredit	32	56	5	7
<b>TOTAL</b>	<b>96</b>	<b>151</b>	<b>6</b>	<b>8</b>
Programs Terminated		46		3

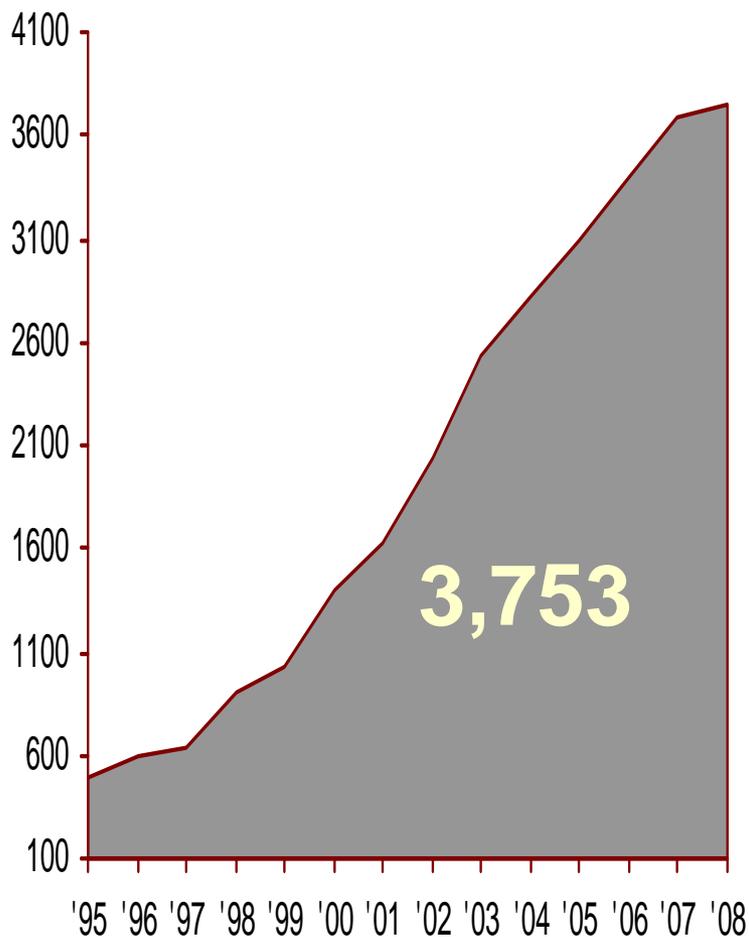
# Instructor Certification



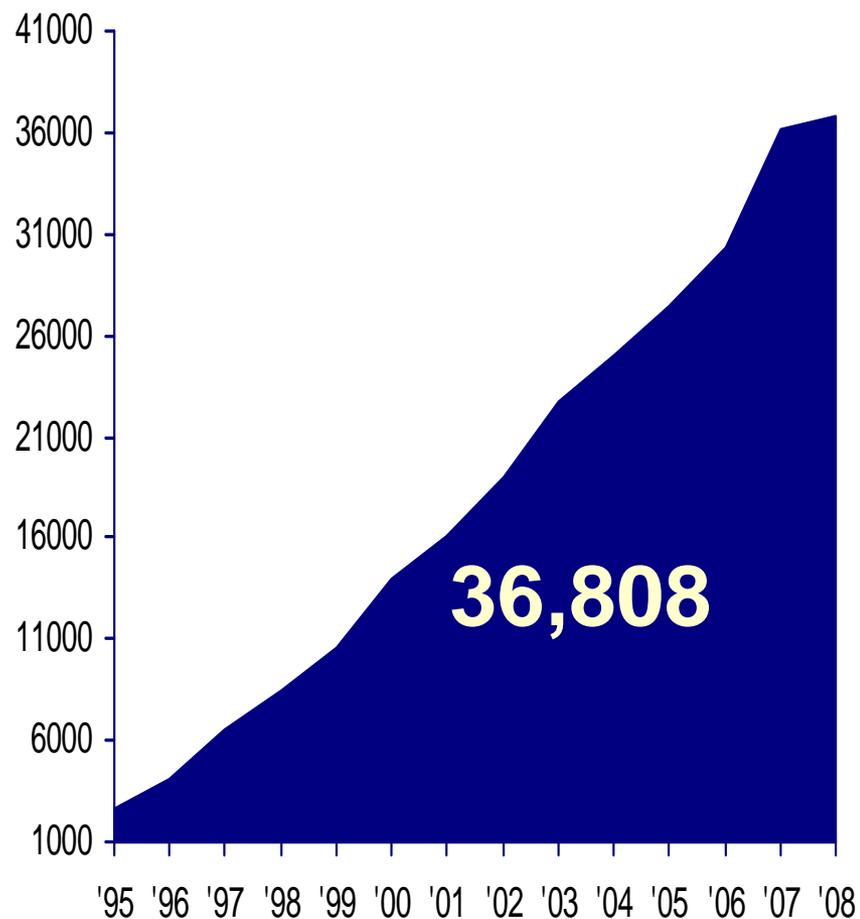


# National Registry Statistics

## Master Trainers



## Craft Instructors

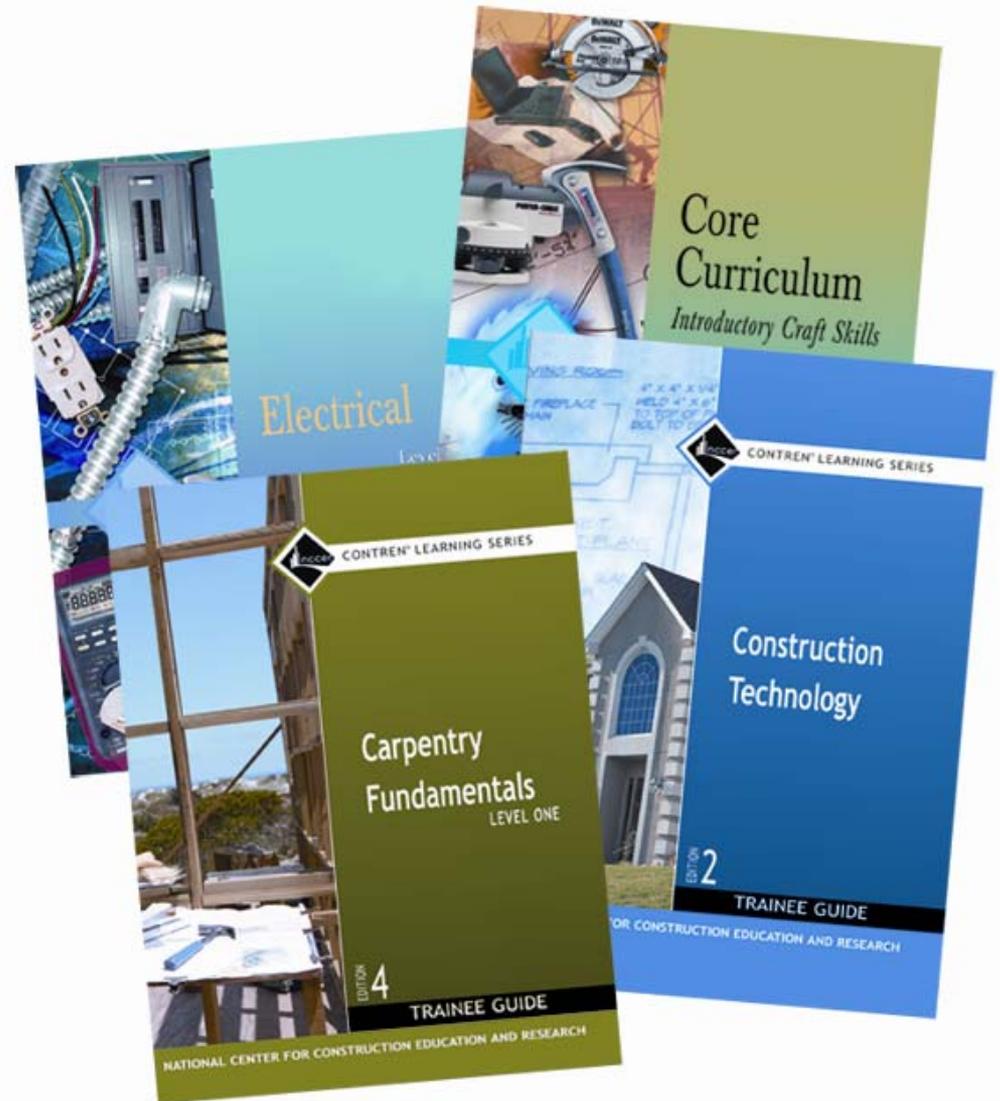


# Standardized Curriculum

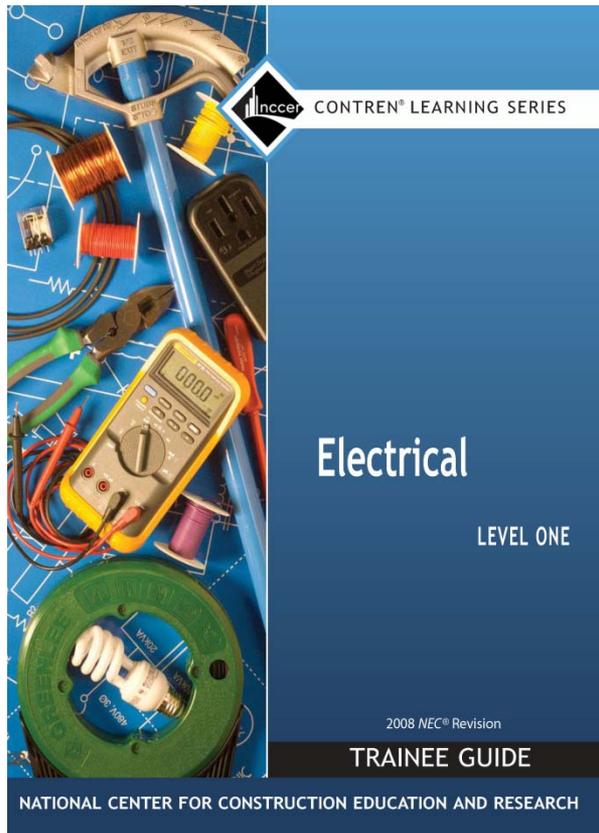


## CONTREN<sup>®</sup> LEARNING SERIES

Over 250,000 trained in 2007



# STANDARDIZATION



- Common instructional system design (DACUM)
- Technical Review Committee: Subject Matter Expert (SME)
- Competency-based
- Instructor-led
- Curricula have common format



# National Technical Review Committee



- ◆ Comprised of journey-level & above craftspeople
- ◆ Includes contractors, business owners, technical trainers, safety professionals, and career & technical education instructors from across the country
- ◆ Meets with NCCER Project Manager and Technical Writer to develop occupational and training needs analyses.
- ◆ Provides guidance on needed revisions to the manuscripts.



# COMPETENCY-BASED & INSTRUCTOR-LED



- Trainees learn skills at their own pace
- Trainees accelerate through demonstrated competencies on both written and performance tests
- NCCER-certified instructors verify successful test completions for credentialing through the National Registry

# COMMON CURRICULUM FORMAT - CONTREN<sup>®</sup> LEARNING SERIES



- **Module** (Discrete task training unit)
  - ✓ *Must pass written & performance tests for each*
  - ✓ Each module stands alone (task training)
  - ✓ Each module is part of an overall course of study (apprenticeship or time-based training)
- **Level Format**
  - ✓ Modules sequenced in a logical instructional order for overall course study
  - ✓ Curricula meets DOL Office of Apprenticeship requirements for time-based training
- **Instructor and Trainee Guide** for each *module* and/or *level*

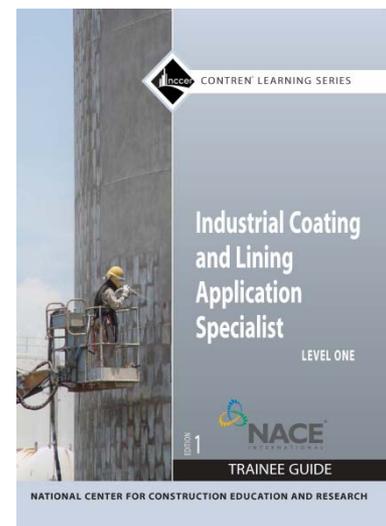


# CONTREN LEARNING SERIES

- ◆ Advanced Electrical Topics
- ◆ Boilermaking
- ◆ Carpentry \*\*
- ◆ Cabinetmaking
- ◆ Concrete Finishing \*\*
- ◆ Construction Craft Laborer
- ◆ Construction Technology
- ◆ Core Curriculum: Introductory Craft Skills \*
- ◆ Drywall
- ◆ Electrical
- ◆ Electronic Systems Technician
- ◆ Heavy Equipment Operations
- ◆ Highway/Heavy Construction
- ◆ HVAC
- ◆ Hydroblasting
- ◆ Industrial Maintenance: Electrical & Instrumentation
- ◆ Industrial Maintenance: Mechanical

<\* Available in Spanish>

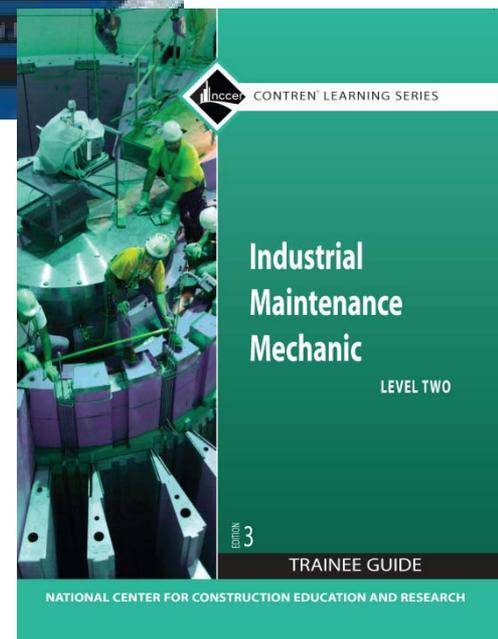
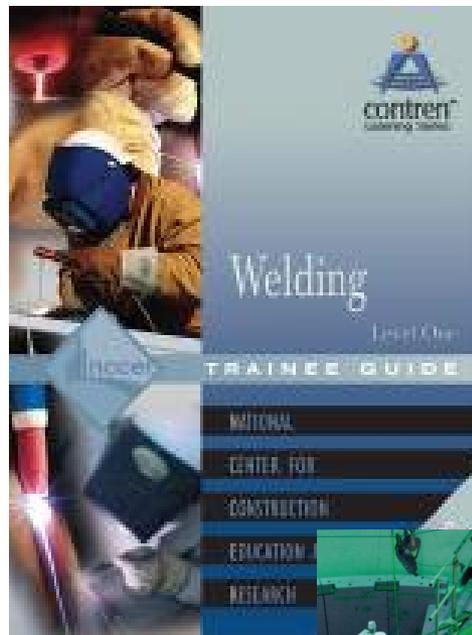
<\*\*In Translation to Spanish>





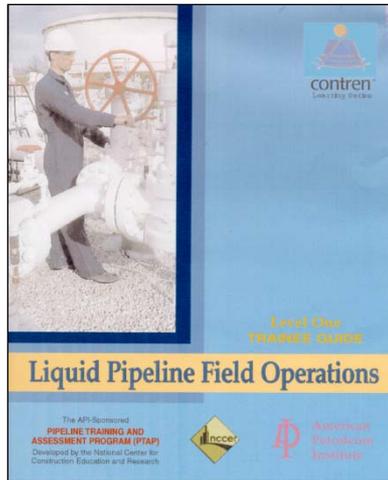
# CONTREN LEARNING SERIES

- ◆ Instrumentation
- ◆ Insulating \*\*
- ◆ Ironworking \*\*
- ◆ Masonry
- ◆ Millwright
- ◆ Mobile Crane Operations
- ◆ Painting \*\*
- ◆ Pipefitting \*\*
- ◆ Pipelayer
- ◆ Plumbing
- ◆ Reinforcing Ironwork
- ◆ Rigging Fundamentals
- ◆ Rigging
- ◆ Scaffolding \*
- ◆ Sheet Metal
- ◆ Site Layout
- ◆ Sprinkler Fitting \*
- ◆ Welding





# CONTREN LEARNING SERIES

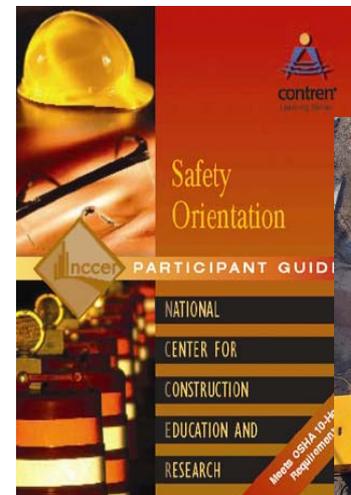


## PIPELINE

- ◆ Gas Pipeline Operations
- ◆ Liquid Pipeline Field Operations
- ◆ Liquid Pipeline Control Center Operations
- ◆ Pipeline Corrosion Control
- ◆ Pipeline Electrical & Instrumentation
- ◆ Pipeline Maintenance
- ◆ Radiographic Testing of Pipeline Welds
- ◆ Pipeline Mechanical

## SAFETY/MANAGEMENT

- ◆ Safety Orientation \*
- ◆ Field Safety \*
- ◆ Safety Technology
- ◆ Introductory Skills for the Crew Leader (available online)
- ◆ Project Supervision
- ◆ Project Management



# NCCER Hispanic Resources

- ✓ Implementing short- & long-term Hispanic resources strategies
- ✓ Retooling curricula and assessments for Hispanic workers

## Curriculum 2007

- ◆ Field Safety (Seguridad de Campo)
- ◆ Sprinkler Fitting 1 (Instalación de Rociadores)
- ◆ Scaffold Building (Andamios)
- ◆ Carpentry Fundamentals
- ◆ Concrete Finishing
- ◆ Insulating 1



## Assessments 2007

- ◆ Scaffold Builder
- ◆ Core Curriculum
- ◆ Concrete Finisher
- ◆ Industrial Insulator
- ◆ Rebar
- ◆ Masonry
- ◆ Industrial Pipefitting

# NCCER Hispanic Resources



Welcome to the job site



Menú



Diccionario



Mapa



Ayuda

## Objetivos



1

### Módulo 1. La entrevista

En este módulo conocerás la forma en que Marcelo tuvo su primer contacto con la compañía de construcción, incluyendo su preparación para la entrevista y la información que recibió en su sesión de orientación dentro de la empresa.



Salir

progreso



Repetición



Retroceder



Avanzar

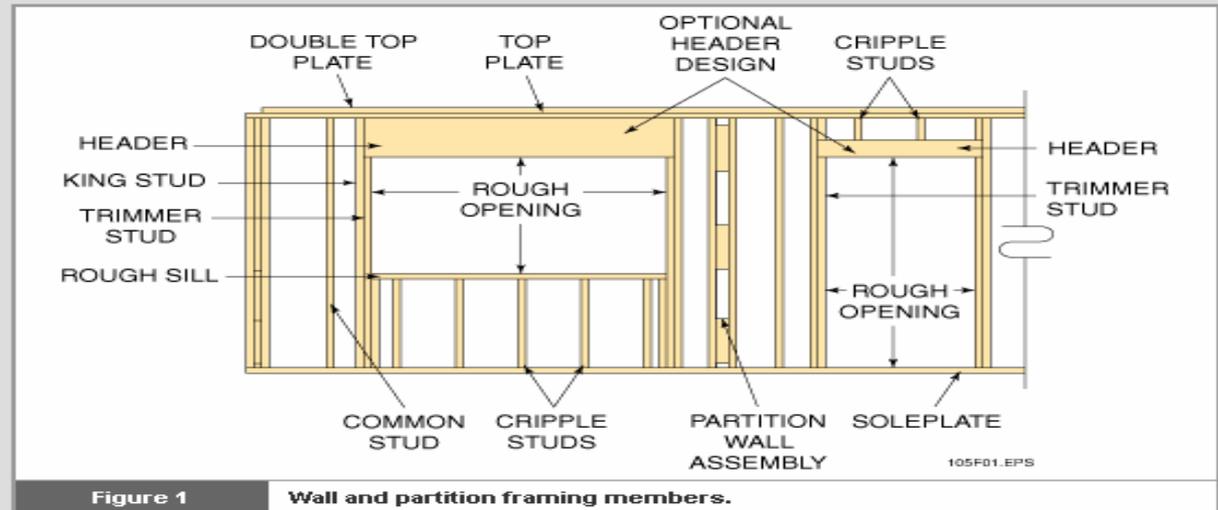
# Contren<sup>®</sup> Connect

- ◆ Core
- ◆ Electrical
- ◆ Carpentry
- ◆ Const. Tech.
- ◆ HVAC
- ◆ Plumbing
- ◆ EST

◀ ▶ audio summary view text concept check

## 2.0.0 Components of a Wall

- Key components of the wall system include the plates, studs, headers, sills, and partitions. Study the descriptions of these components in the text.



**Note to Reader:** You will need to refer frequently to *Figure 1* during the discussion of wall systems.

- Walls require solid corners that can support the weight of the structure. The straightest, least defective studs are used for corners.
- One common method of making corners uses blocking between the corner studs.

# LEVERAGING Technology with Traditional Training



# Simulator Benefits



- ◆ Low risk - Safe Practice
- ◆ Evaluate operator skill & knowledge prior to employment or advancement
- ◆ Teach basic operation of systems & equipment
- ◆ Site configuration orientation
- ◆ Periodic re-training for new product, bad habit correction
- ◆ Less expensive
  - instructor hours
  - vehicle hours
  - lost production
  - Accidents





# Simulator Benefits



- ◆ Can be used 24-hours a day
- ◆ Simulate any conditions, anytime:
  - Weather - Rain, Snow, Fog
  - Day/Night
  - Seasons
- ◆ Consistent presentation of material, regardless of
  - Location
  - Conditions
  - Instructor
  - Language
- ◆ Trouble Spots can be identified and trainee behavior corrected

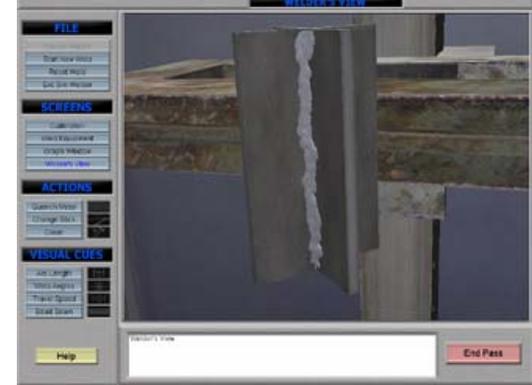
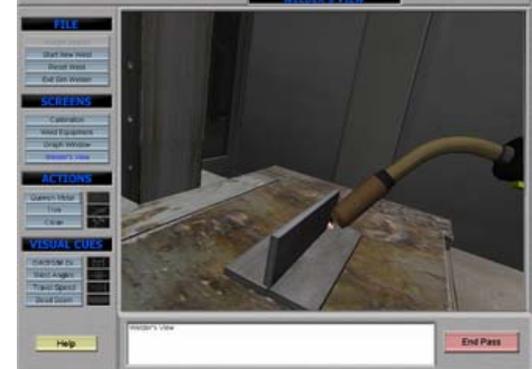




# Welding Simulation



- ◆ Increases the Number of Practice Passes
- ◆ Accelerates Learning
- ◆ Integrates with Existing Training Requirements
- ◆ Provides Objective Feedback
- ◆ Increases Safety
- ◆ Environmentally Friendly





# Market Breakdown

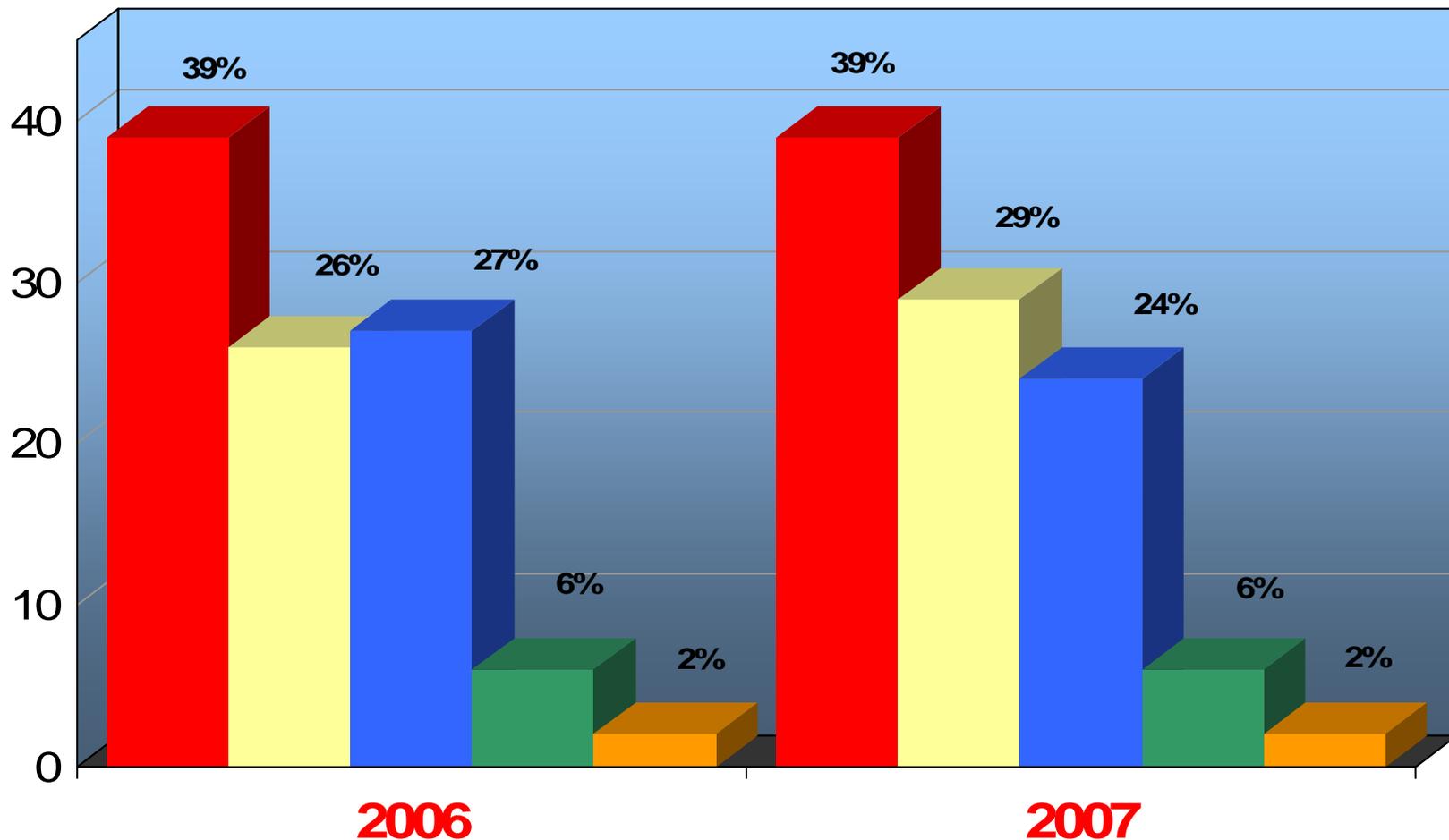
- ✓ Secondary/vocational high schools and technical
- ✓ State DOE
- ✓ Post-secondary community and technical colleges
- ✓ Career colleges
- ✓ Corrections (Adult and Juvenile-state, federal and private)
- ✓ Industry Associations
- ✓ Contractors
- ✓ Job Corps & Youth Build
- ✓ Owners
- ✓ Leased Labor

- ✓ Union Organizations
- ✓ State licensure
- ✓ State and local workforce agencies (Gulf Coast particularly)
- ✓ Gulf Coast Rebuild (I'M GREAT)
- ✓ Plant facilities
- ✓ Pipeline
- ✓ FFA
- ✓ Military & Military Corrections

# Overall Contren<sup>®</sup> Usage

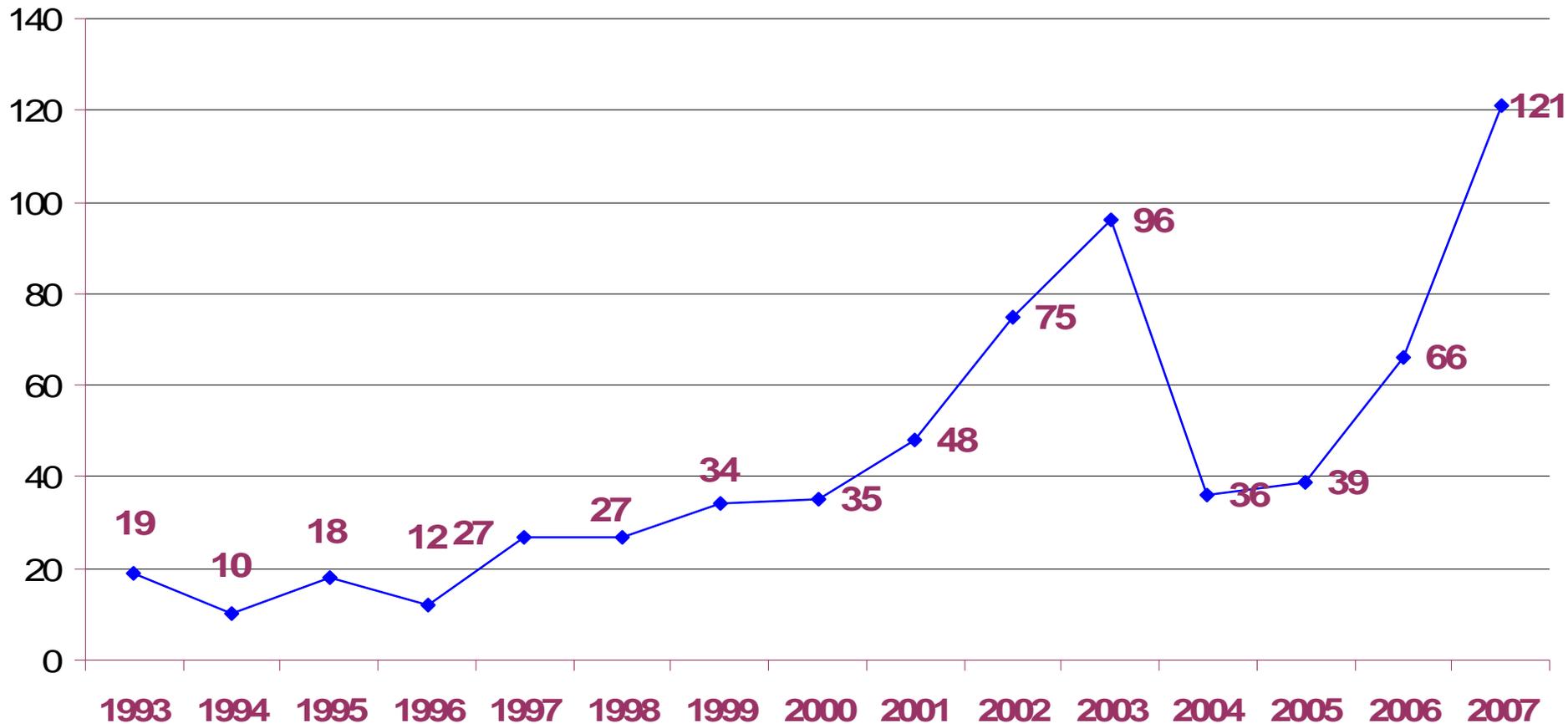
53% of usage in Secondary and Post Secondary Education

■ B&I ■ Post-Secondary ■ Secondary ■ Gov't/Prisons ■ Retail/Wholesale/Library/Internet



# 2007 Contren Projects

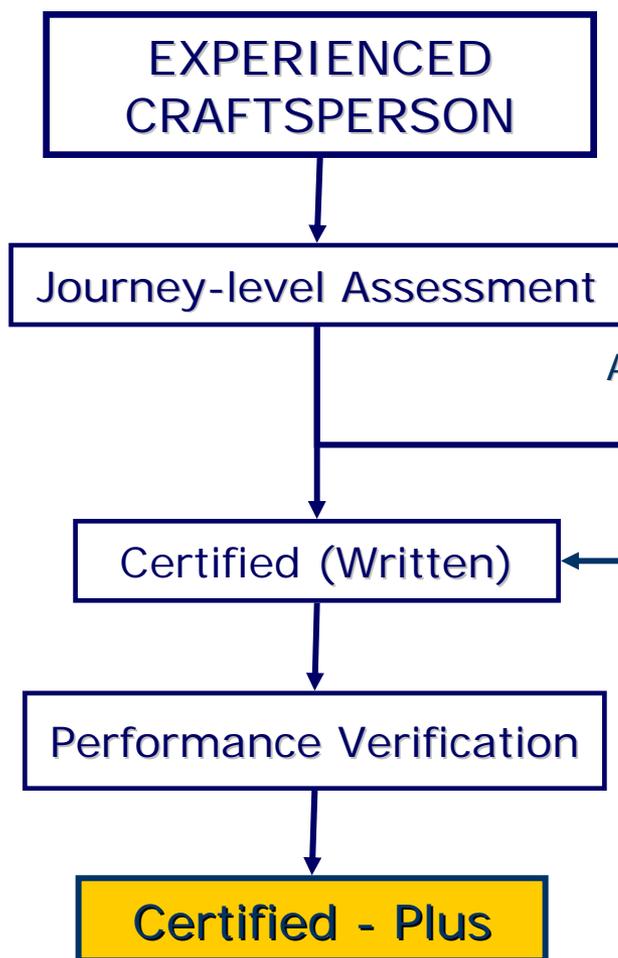
Continuously improve products and services to meet the needs of the industry and our customers.



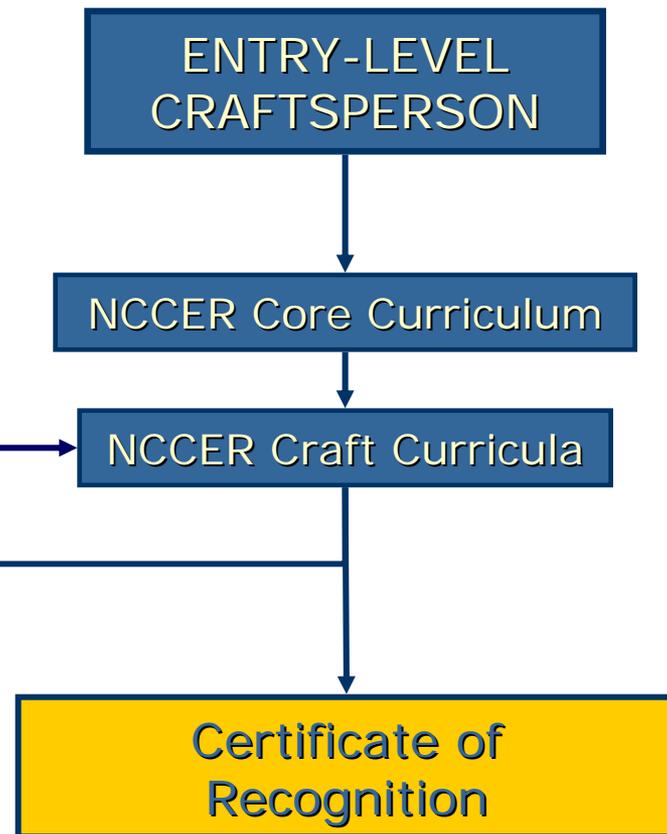


# Assessment vs. Training

## CRAFT ASSESSMENT



## CRAFT TRAINING



# Assessment & Certification

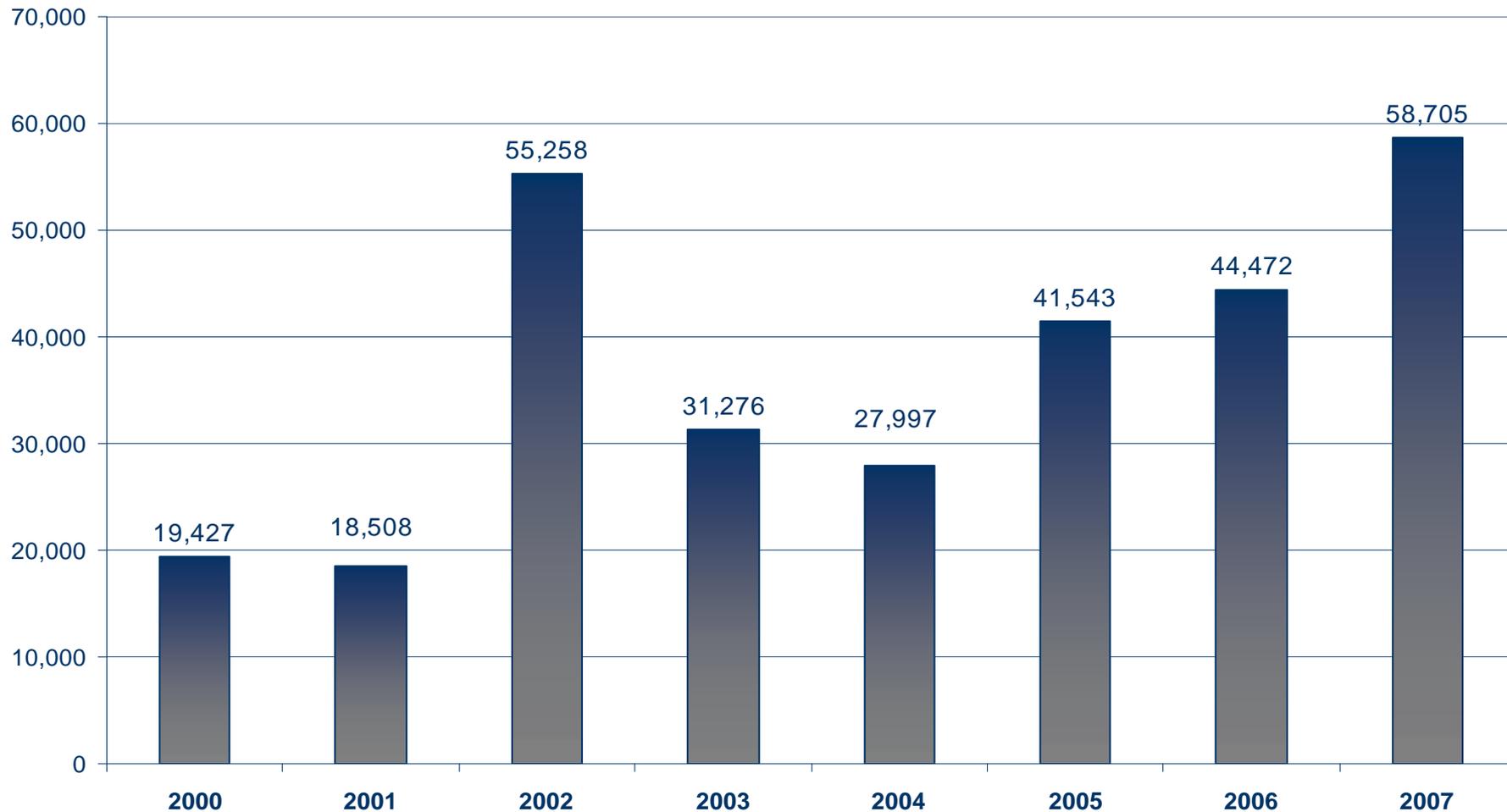
## Score Report & Training Prescription 63% Overall Score

Module	Topic	Possible	Actual	% Correct	Status
23101	Introduction to Concrete Construction and Finishing	6	4	66	TR
23102	Safety Requirements	6	5	83	Pass
23103	Properties of Concrete	7	4	57	TR
23104	Tools and Equipment	6	5	83	Pass
23105	Preparing for Placement	4	4	100	Pass
23106	Placing Concrete	6	4	66	TR
23107	Finishing, Part One	6	5	83	Pass
23108	Curing and Protecting Concrete	7	5	71	Pass
23109	Introduction to Troubleshooting	5	1	20	TR
23201	Properties of Concrete, Part Two	6	2	33	TR
23202	Estimating Concrete Quantities	4	2	50	TR
23203	Forming	4	4	100	Pass
23204	Site Concrete	6	3	50	TR
23206	Industrial Floors	4	3	75	Pass
23207	Superflat Floors	4	1	25	TR
23208	Surface Treatments	4	1	25	TR
23209	Quality Control	5	4	80	Pass
23210	Making Repairs	4	1	25	TR
36108-01	Paving	6	5	83	Pass

# National Craft Assessment & Certification Program



Cumulative Program Total 292,478





# Latest Craft Assessments Releases

**National Craft Assessment and Certification Program  
B L U E P R I N T**

**Overview:**  
This written assessment is a three (3) hour closed book examination. You will be permitted to use a basic fraction, non-printing calculator and the *Pythagorean Blue Book* by W. V. Green during the examination. The Assessment Center will provide any necessary pencils. No extra paper, books, notes or study material are allowed in the testing area. The Assessment Center will provide you a list of any additional material that is approved for reference during the assessment session.

**Focus Statement:**  
As advanced pipefitter:  

- Master mathematical functions and knows their application to pipefitting.
- Is able to properly identify and master hand, power tools, and equipment, including equipment for rigging and steel procedures.
- Perform and knows how to fabricate butt weld pipe, threaded pipe, and socket welds.
- Is able to identify and install above, underground, and specialty piping, hangers and supports, valves and relief specialties.
- Understands how to perform stress relieving, aligning, and testing.
- Is proficient in the use and interpretation of specifications and standards, and performs advanced blueprint reading of drawings and details.

**Study Material:**  
All NCCER Written Assessments are referenced to Content Learning Series module number 4181-06. You may order modules from Prentice Hall (800-922-0979) or [www.certraining.com](http://www.certraining.com).

**Assessment Development:**  
All questions on each Assessment have been developed and approved by Subject Matter Experts from the respective Craft. Assessment development and administration is direction of our test development company, ProV.

**Credentials:**  
NCCER will send appropriate Credentials, Certificate, Water Card and Official Transcript, to the Assessment Center upon successful completion of the Written Assessment.

**Training Prescription Reports:**  
Each Candidate will have access to individual results of the written assessment from NCCER's web site. This Training Prescription will report results by each Topic Area covered by the assessment as well as the overall score.

**The cut score for this assessment is 68%.**  
 \* This Assessment is also available in Spanish  
 \* This form was last updated December 2007

National Center for Construction Education and Research (NCCER)  
3600 NW 43<sup>rd</sup> St., Bldg. G • Gainesville, FL • 32608 • Ph: (352) 334.0911 • Fax: (352) 334.0932 • [www.NCCER.org](http://www.NCCER.org)

## Industrial Pipefitting

- ◆ 68% Cut Score
- ◆ 125-item exam
- ◆ 90-day swap out from date of release

**National Craft Assessment and Certification Program  
B L U E P R I N T**

**Overview:**  
This written assessment is a two (2) hour closed book examination. You will be permitted to use a basic fraction, non-printing calculator during the examination. The Assessment Center will provide any necessary pencils. No extra paper, books, notes or study material are allowed in the testing area. The Assessment Center will provide you a list of any additional material that is approved for reference during the assessment session.

**Focus Statement:**  
An industrial carpenter erects concrete forms, plans, level and to grade, places rebar, rig large framework, has a working knowledge of cut-works and reinforcement, may operate equipment needed to place concrete, read and interpret construction drawings and operates measuring instruments.

**Study Material:**  
All NCCER Written Assessments are referenced to Content Learning Series. You may order modules from Prentice Hall (800-922-0979) or [www.certraining.com](http://www.certraining.com).

**Assessment Development:**  
All questions on each Assessment have been developed and approved by Subject Matter Experts from the respective Craft. Assessment development and administration is direction of our test development company, ProV.

**Credentials:**  
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**Training Prescription Reports:**  
Each Candidate will have access to individual results of the written assessment from NCCER's web site. This Training Prescription will report results by each Topic Area covered by the assessment as well as the overall score.

**National Registry:**  
Assessment results will be maintained in NCCER's National Registry and become a part of your Training record. These records are stored and become a portable record of your Training and Assessment achievements.

**The cut score for this assessment is 75%.**  
 \* This form was last updated February, 2008

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## Industrial Carpenter

- ◆ 75% Cut score
- ◆ 103-item exam
- ◆ 90-day swap out from date of release



# National Craft Assessments

## CRAFT

Industrial Electrician  
Boilermaker Tech  
Carpentry Level One  
Commercial Carpentry  
Concrete Finisher  
Construction Technology  
Electrical Level One  
Electronic Systems Tech. (EST)  
Finish Carpentry  
Form Carpentry  
Frame Carpentry  
Commercial Electrician  
Core: Intro Craft Skills  
HVAC  
Heavy Equip. Operator Level One  
Industrial Carpentry

Industrial Ironworker  
Industrial Maint. Electrician  
Industrial Maint. Mechanic  
Industrial Millwright  
Industrial Painter  
Industrial Pipefitter  
Instrument Fitter  
Instrumentation Tech  
Masonry Level One  
Mobile Crane Operator  
Reinforcing Iron-Rebar  
Rigging  
Rigging Fundamentals  
Scaffold Builder  
Industrial Insulator  
Boilermaker



# National Pipeline Assessments

## PIPELINE

Abnormal Operating Conditions - General

Abnormal Operating Conditions - Control Center

Abnormal Operating Conditions - Gas

Corrosion Prevention Field Technician 1 - Installation

Corrosion Prevention Field Technician 1 - Measurement

Corrosion Prevention Field Technician 2

Corrosion Prevention Field Technician 3

Electrical & Instrumentation Pipeline Technician

Field & Control Center Operation Technician

Gas Pipeline Operations

Gas Maintenance Specialty

Mechanical Pipeline Technician

NDT - Radiographic Film Interpretation of Pipeline Welds

Pipeline Maintenance Technician



# Crane Operator Certification

## Written Exam Categories

1. Industrial/All Purpose Crane
2. Boom Truck (Telescopic & Articulating Boom)
3. Hydraulic (Rough Terrain/All Terrain)
4. Lattice Boom (Crawler and Truck Mount)



# Practical Exam Categories

1. Industrial/All Purpose Telescopic Boom Cranes
2. Crawler Mount Telescopic Boom Cranes
3. Telescoping Boom Truck – Fixed Control Station
4. Telescoping Boom Truck – Rotating Control Station
5. Articulating Boom Truck – Fixed Control Station
6. Articulating Boom Truck – Rotating Control Station
7. Rough Terrain/All Terrain Fixed Cab Telescopic Boom Cranes – Single Control Station
8. Rough Terrain/All Terrain Rotating Cab Telescopic Boom Cranes – Single Control Station
9. Truck Crane/All Terrain Telescopic Boom Cranes – Multiple Control Station
10. Lattice Boom Crane – Crawler Mount (Friction Machinery)
11. Lattice Boom Crane – Crawler Mount (Hydraulic Machinery)
12. Lattice Boom Crane – Truck Mount (Friction Machinery)
13. Lattice Boom Crane – Truck Mount (Hydraulic Machinery)

# NCCER Management Programs



- Introduction to Crew Leader Web-based Program
- Clemson University Programs:
  - Project Supervisors Academy
  - Project Managers Academy
  - Safety Managers Academy
  - NAWIC Leadership Academy
  - Masters Degree Program
- Pima Community College *Craft Training for College Credit*

**CREATE A LEADER**  
Build a Strong Leadership Team with NCCER's NAWIC Leadership Academy

The NAWIC Leadership Academy for women includes a **24 hour, intensive three-day session** of lectures, case studies, and student participation at Clemson University.

Topics include:

- Leadership and management styles
- Budgeting techniques
- Team management
- Conflict resolution
- Problem solving techniques
- Conducting effective meetings

See the application for the academy for detailed topics and a schedule.

The academy is held at Clemson University's outdoor leadership and team retreat. The included, on-site lodging provides the ideal learning environment. Food and lodging are included in the tuition, and transportation will be provided to and from the airport.

Once participants return back to work, they are asked to apply and implement a change learned at the academy. Clear the project is implemented and a report is submitted to NCCER. The participant will receive a certificate of completion and a water card from the NCCER National Registry.

Reserve your seat for the 2007 academy: **call 1.888.NCCER20.**

**NAWIC LEADERSHIP ACADEMY** 2007 Registration Form  
Conducted by the National Center for Construction Education and Research

**CLEMSON UNIVERSITY**  
Site - Clemson, S.C. (No includes tuition, room & board)

**October 28-31, 2007** Are you a NAWIC member?  Yes  No  
If yes, chapter name or number: \_\_\_\_\_

NAWIC Leadership Academy for Women .....\$1200

Complete the following information: (please type or print clearly)

Name \_\_\_\_\_ Cell Phone \_\_\_\_\_  
Social Security Number \_\_\_\_\_ (required for CLEU Credit)  
Company Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_ Fax Number \_\_\_\_\_  
City/State/Zip \_\_\_\_\_ Email \_\_\_\_\_  
Type of Firm (general, mechanical, etc.) \_\_\_\_\_ Years in Position \_\_\_\_\_  
Member's Title \_\_\_\_\_ Contact's Email Address \_\_\_\_\_  
Contact Person/Position \_\_\_\_\_  
Where did you learn about NCCER's NAWIC Leadership Academy? \_\_\_\_\_

**For notification in case of emergency:**

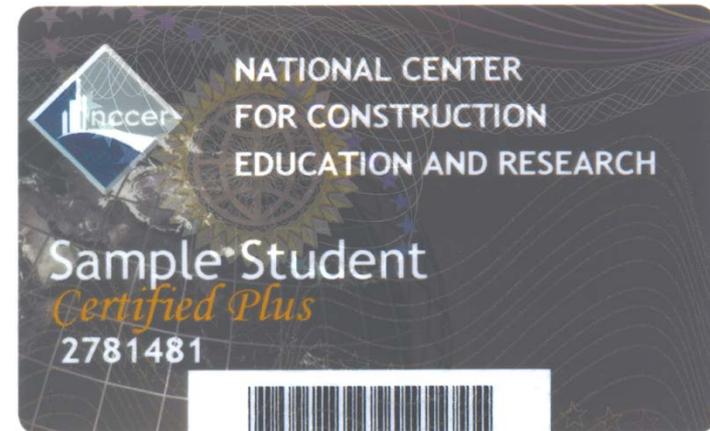
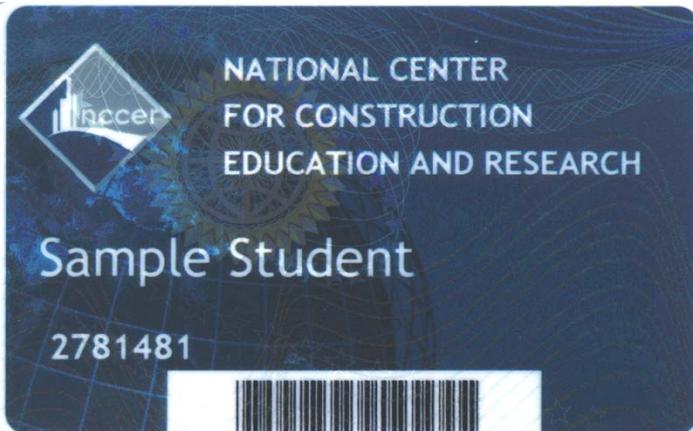
Name \_\_\_\_\_ Relationship \_\_\_\_\_  
Day Phone \_\_\_\_\_ Night Phone \_\_\_\_\_  
Does the attendee have a medical condition of which the academy should be aware?  Yes  No  
If yes, describe: \_\_\_\_\_  
Is the attendee on any medication?  Yes  No  
If yes, please list: \_\_\_\_\_  
Attendee's Signature \_\_\_\_\_ Date \_\_\_\_\_  
Employer's Signature \_\_\_\_\_ Date \_\_\_\_\_

**Payment:** (Check One)  
 MasterCard  Visa  Amex  Discover  Check # \_\_\_\_\_  Purchase Order # \_\_\_\_\_  Invoice  
Credit Card Name \_\_\_\_\_ Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_  
Signature \_\_\_\_\_  
Purchase Order #& To: \_\_\_\_\_

**Full Payment is due before attending the academy. Please copy this form and submit one copy with payment for each attendee to: National Center for Construction Education and Research 2800 HW #2nd St, Bldg Q, Columbus, FL 32506 or for registration form to 352.334.6922 and mail payment separately. Payment: installment is limited. **Commitment Penalty:** 30 days or more prior to class - full refund; 15-29 days prior to class - 75% refund; 9-14 days prior to class - 50% refund; less than 8 days - no refund. Cancellation to transfer to another meeting program date passes no penalty, unless excessive requests to transfer are made. Requests to transfer must be received no later than 8 days prior to class. Substitutions may be made with advance notice. NCCER reserves the right to cancel programs with low enrollment up to five days prior to the starting date. For assistance please call 352.334.6922 ext. 118 or refer to [www.nccer.org](http://www.nccer.org). Confirmation will be sent prior to start of class.**

NCCER is not responsible for the advice given to individuals at the academy, who as a franchisee, is responsible for their courses of education. The educational training and advice to students does not pertain to any particular employer or provide legal advice or opinion, which can vary by jurisdiction, relative to specific fact or situations.

# National Registry



**Industry Recognized Credentials**

# National Registry

NCCER : Credentials : Accreditation : National Registry - Mozilla

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Careers **GREAT.** e-Store Pipeline College Credit Crane Operator Certification

Home / Credentials / Accreditation / National Registry



NATIONAL CENTER FOR CONSTRUCTION EDUCATION AND RESEARCH

## Credentials

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### National Registry

In an effort to provide students and craft professionals with industry recognized credentials and assure national portability of skills, NCCER maintains a National Registry. The National Registry provides transcripts, certificates of completion, and wallet cards when training is delivered through an NCCER Accredited Sponsor. These valuable industry credentials benefit students as they seek employment and build their careers.



**In This Section**

- National Registry FAQ
- Automated National Registry
- Automated National Registry FAQ
- New Wallet Card FAQ**

start Wel... webs... Nove... NCCER... Forms... 9:52 AM

# Automated National Credentials



## NCCER Automated National Registry



### **INDIVIDUALS**

Sign in to review your training history online



### **SPONSORS**

Sign into the ANR to view and submit training records



### **VIRTUAL WALLET CARD™**

See what's on someone's Virtual Wallet Card™

[Frequently Asked Questions](#)



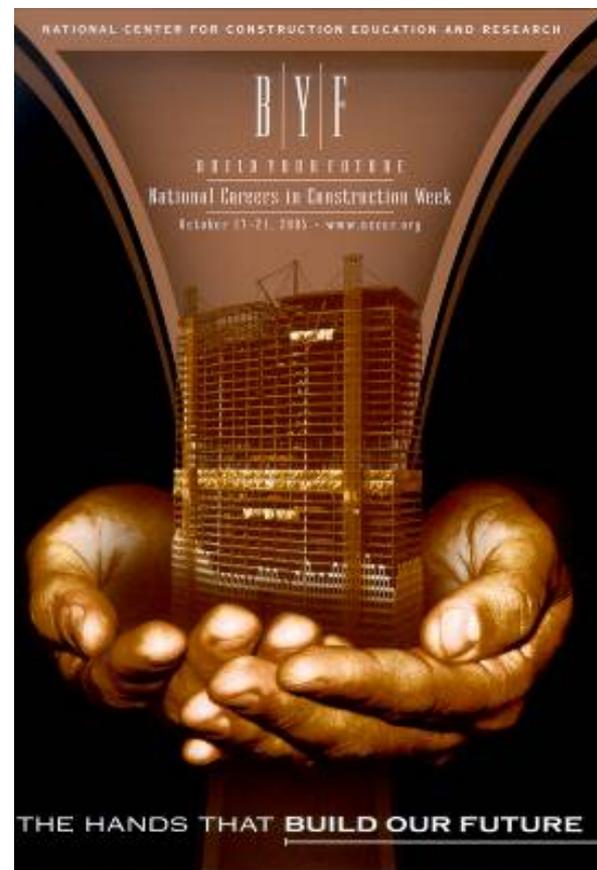
# Educational Outreach & Recruiting

*2006 CURT Workforce Development Award Winner*

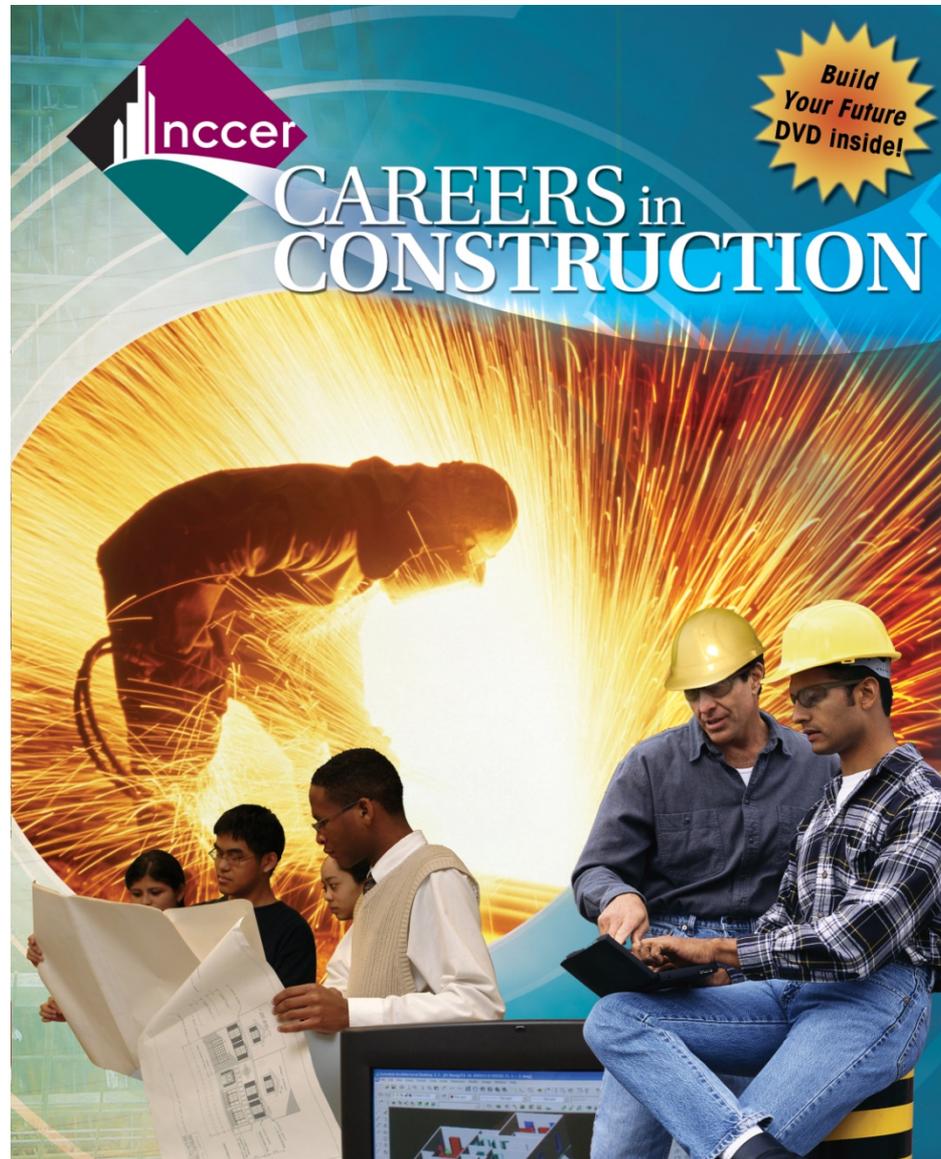
## Build Your Future campaign

*Linking industry to education*

- ◆ **Careers in Construction Week**
  - ◆ October 15-19, 2007



# Educational Outreach & Recruiting





- Home
- Find A Job
- National Registry
- Build Your Future
- Careers in Construction Week
- Career Resources
- Web Cam
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## McGraw Hill CONSTRUCTION

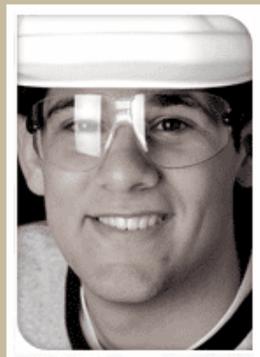
In partnership with McGraw-Hill Construction, the National Center for Construction Education and Research (NCCER), is pleased to offer job seekers access to an online job board and resume database built exclusively for the construction, maintenance and pipeline industries. Showcase your credentials to future employers with the easy to use Resume Wizard or other user friendly tools.

**Post your resume** on McGraw-Hill Construction Career Center for free and take advantage of all the career tools and news from McGraw-Hill Construction. Plus, if you have NCCER credentials, you can tag your resumes with the NCCER logo.

**Job Search** - Search the Career Center database of jobs around the country. Registration not required.

**Job Search Agents** are included when you create an account with the McGraw-Hill Construction Career Center. You will be automatically notified by e-mail when new job opportunities are posted that match your criteria.

**Employers** - Click here to post your job listings online in the McGraw-Hill Construction Career Center or learn more about Resume searching packages. Search resumes for employees that have been trained and/or certified by NCCER.



 [Job Seekers Register Today](#)



# Career Center Homepage *In partnership with* McGraw-Hill Construction

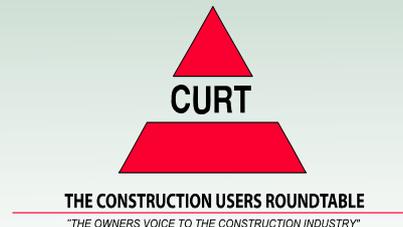
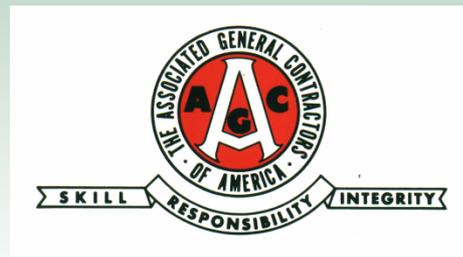
# Choose Construction

*initiative*

---

## A National Approach to Construction Workforce Development

Pending



# Who is the competition for new workers?



Other high growth industries, including

- Nursing
- Automotive
- Manufacturing
- Hospitality
- Services and retail



# Pre-Qualification Verification

**DRAFT**

## Company Information

(Klaatu)

**Craft Employee Training Questionnaire**  
Enter your company's name and contact information. Please provide all requested information.  
Your responses will be evaluated and used as one of several criteria to determine your qualification to participate in the bidding process.

Date of Submission	<input type="text"/>
Company Name	<input type="text"/>
Company Address	<input type="text"/>
Contact Information	<input type="text"/>
Contact Email	<input type="text"/>
Company Phone/Fax	<input type="text"/>

Next

The CURT logo consists of a red triangle pointing upwards with the letters 'CURT' in white inside it. Below the triangle is a horizontal line, and under that line is the text 'THE CONSTRUCTION USERS ROUNDTABLE' and a smaller line below that reads 'THE OWNERS VOICE TO THE CONSTRUCTION INDUSTRY'.

**Construction Labor:  
Craft Employee  
Training Evaluation  
Tool**

T-404  
September 2006



# Business Case for Training



Construction Industry Institute

*[www.construction-institute.org](http://www.construction-institute.org)*

**RT 231**

**Craft Training in the US and Canada**

**Presented to: CII Annual Conference,  
CURT Annual Conference, AGC Education Conference,  
NPRA Workforce Conference, AGC Convention,**



# 1% of Labor Cost Investment

	Average Improvement	
	Capital Project	Maintenance Project
<b>Productivity Improvement</b>	11%	10%
<b>Turnover Cost Decrease</b>	14%	14%
<b>Absenteeism Decrease</b>	15%	15%
<b>Injury Decrease</b>	26%	27%
<b>Rework Decrease</b>	23%	26%



# The Project's Business Case

Based on a Typical Industrial Project  
and Industry Survey Data...

	Average
Estimated Productivity Improvement	\$322,257
Estimated Turnover Reduction	\$32,150
Estimated Absenteeism Reduction	\$74,871
Estimated Injury Reduction	\$66,940
Estimated Rework Reduction	\$25,377
<b>Total Benefits</b>	<b>\$521,595</b>
Training Cost (1% Labor Cost)	\$230,296
<b>Benefit Cost (B/C) Ratio</b>	<b>2.3</b>

# Newly Updated Web Site

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NATIONAL CENTER FOR CONSTRUCTION EDUCATION AND RESEARCH



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## The National Center for Construction Education and Research

**(NCCER)** is a not-for-profit education foundation created to help address the critical workforce shortage facing the construction industry and to develop industry-driven standardized craft training programs with portable credentials.

**Our Mission** is to build a safe, productive, and sustainable workforce of craft professionals.

[Affiliated with the University of Florida.](#)

## ANNOUNCEMENTS & LINKS

- ▶ [Scaffolding Assessment Translated to Spanish](#)
- ▶ [NCCER Revises Carpentry](#)



**I'm Great:**  
[Get Rewarded for Education and Advancement Training.](#)

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# National Center for Construction Education and Research



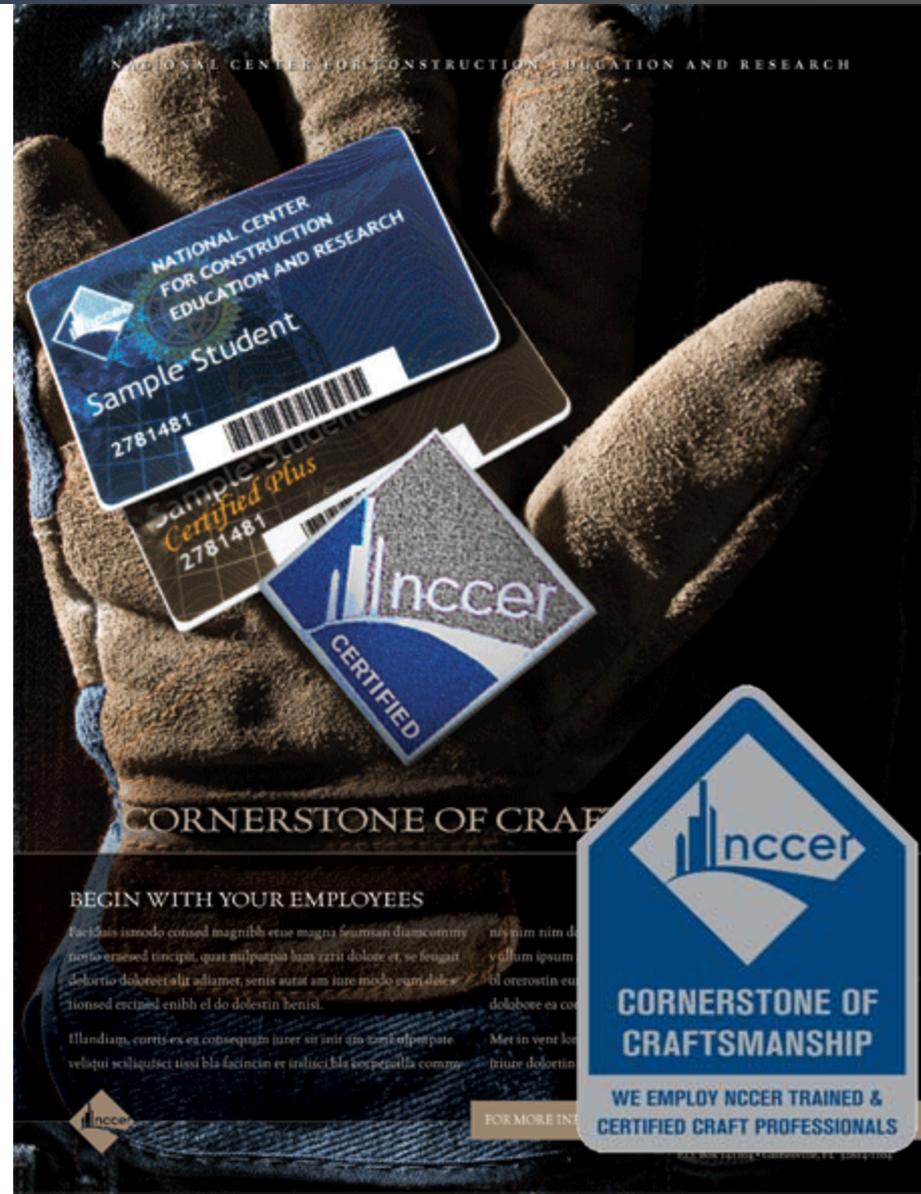
BUILDING TOMORROW'S WORKFORCE

# THANK YOU

# Questions?

For additional information on NCCER  
contact

1-888-NCCER20  
[www.nccer.org](http://www.nccer.org)





# NCCER Funding

- ◆ Royalties from Contren Product Sales
- ◆ Commission from Assessment Sales
- ◆ Academy & Master Trainer Programs
- ◆ Other Income - Donations, Manufacturer Sponsorships, etc.
- ◆ National Training Service Agreements (15 cent/effort-hour) and General 2-cent Contributions
- ◆ Interest from Restricted Endowment