

NCCER Overview

Addressing the Skilled Workforce Shortage Crisis

CERN Meeting

April 18, 2008

Washington, DC



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

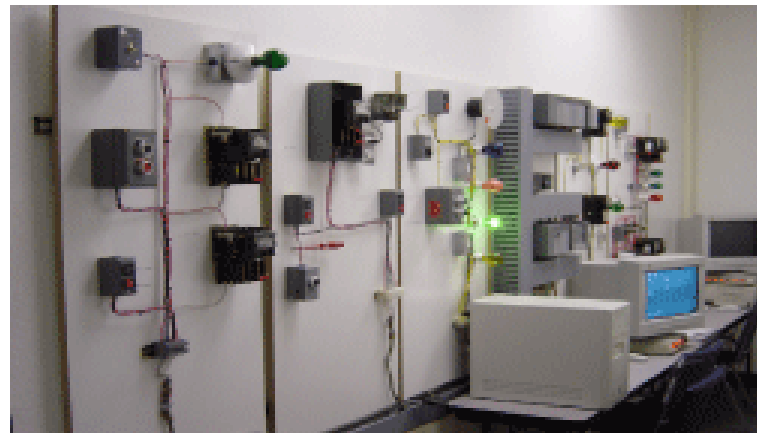
Build a safe, productive and sustainable workforce of craft professionals

- ◆ 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

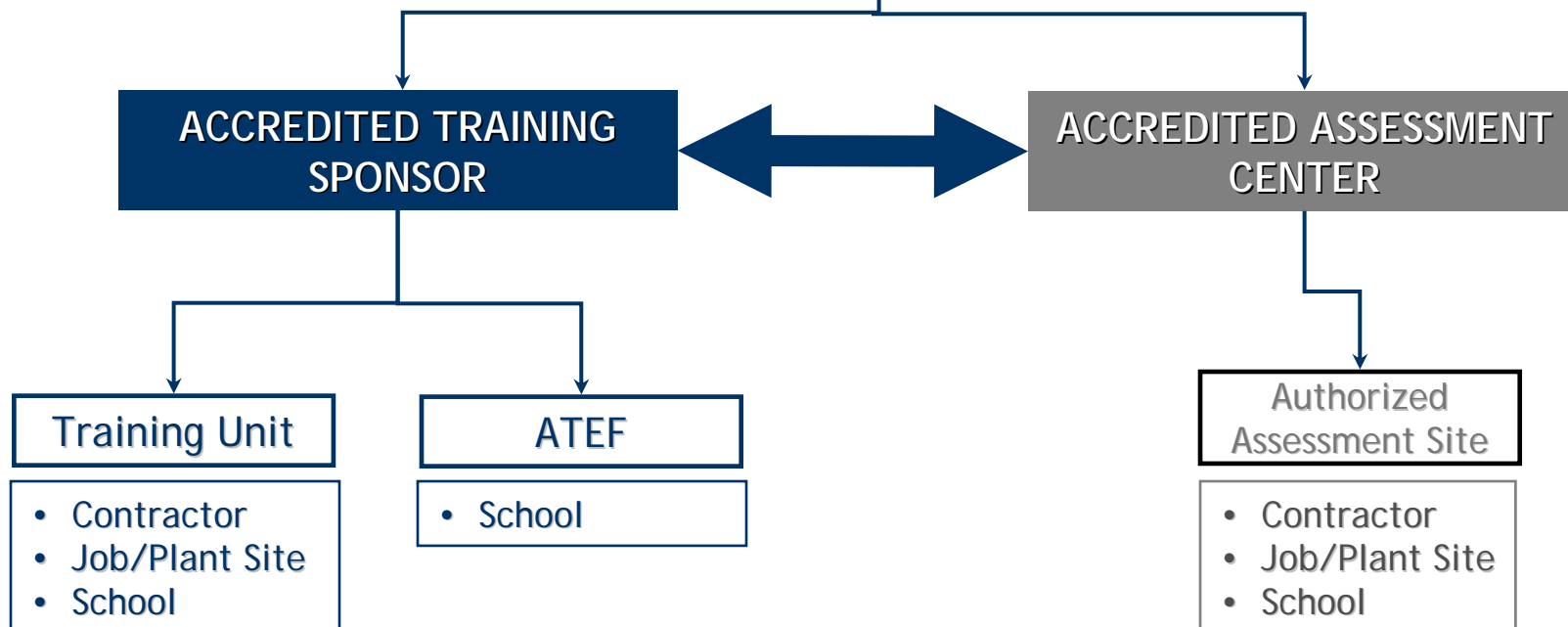
Over 3000 public schools
Over 700 ATEFs

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

Accreditation Process



Eligible Organizations
Contractors
Association Chapters
Organized Labor
Owners
Government Agencies
Training Consultants
Proprietary Schools



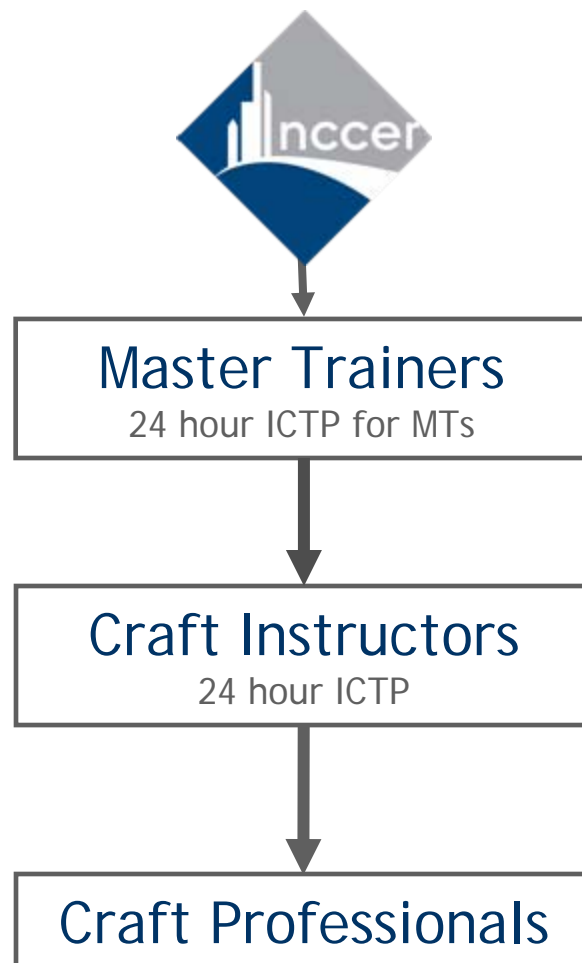


Audits - Statistics

	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
TOTAL	96	151	6	8
Programs Terminated		46		3



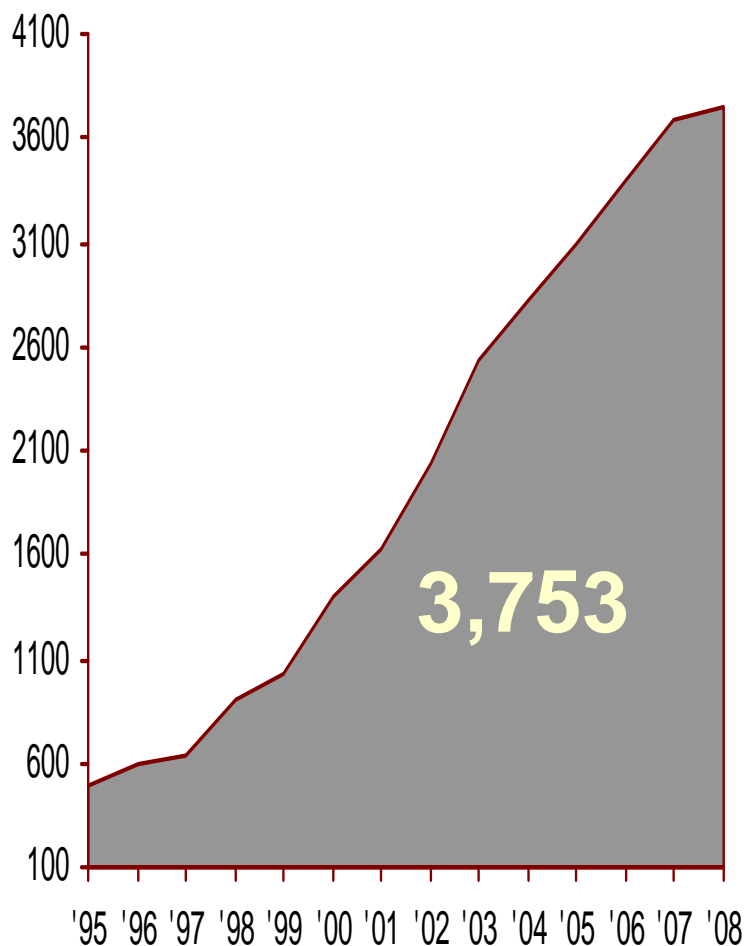
Instructor Certification



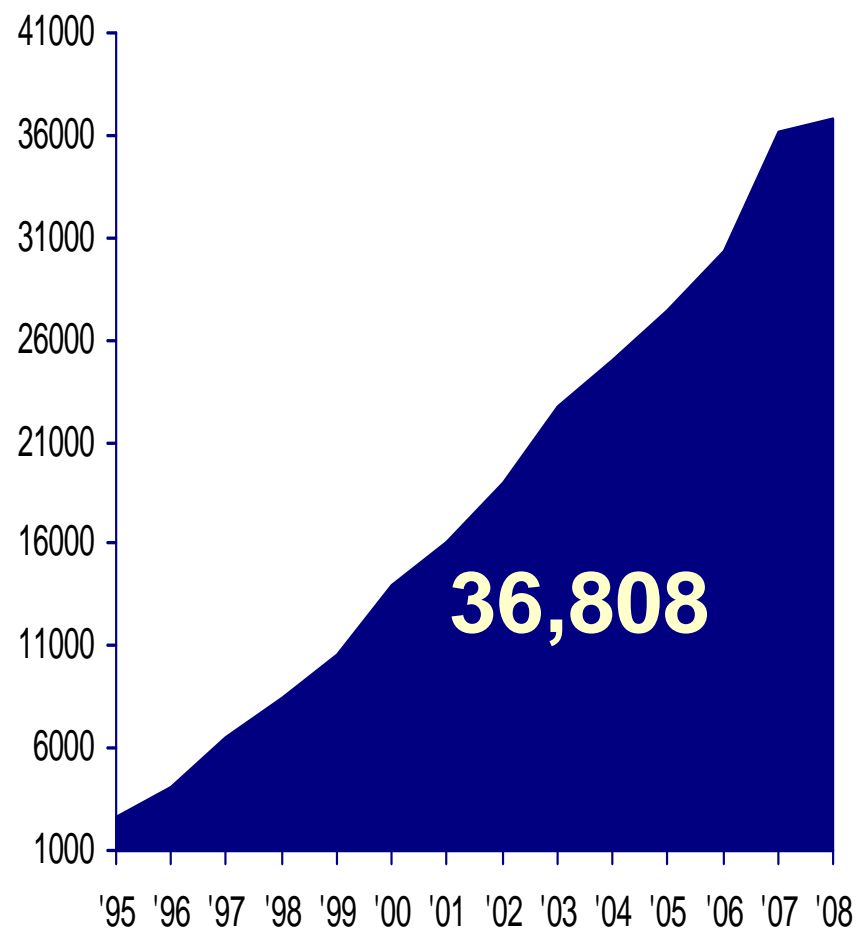


National Registry Statistics

Master Trainers



Craft Instructors

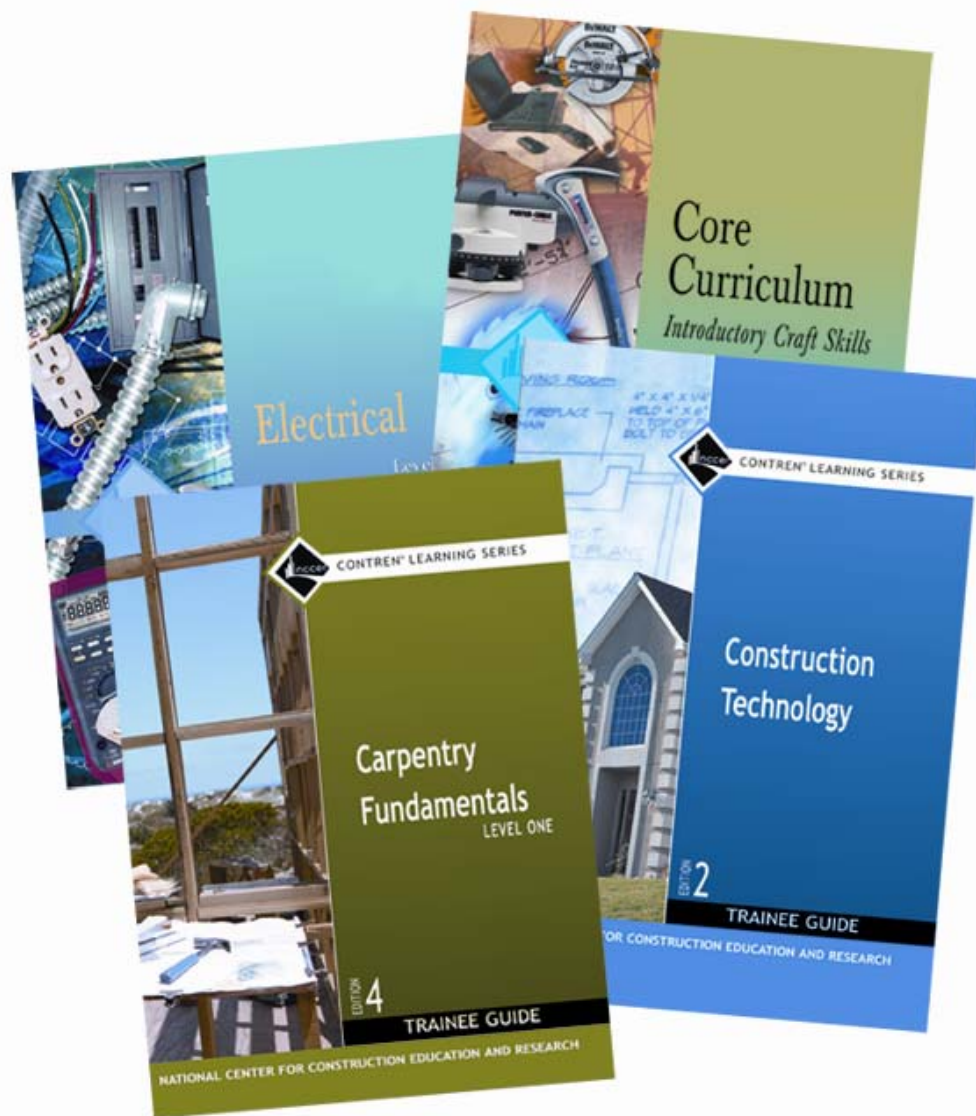




Standardized Curriculum

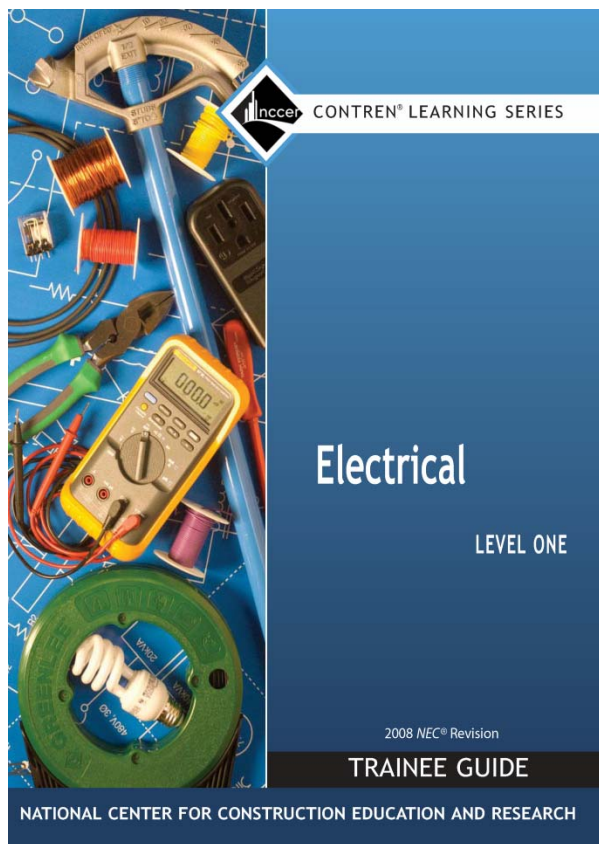
CONTREN[®] LEARNING SERIES

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[®] 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***

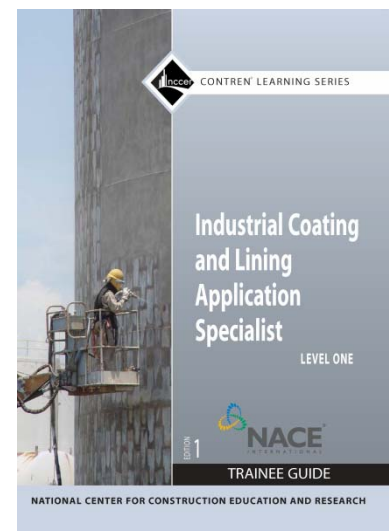


CONTREN LEARNING SERIES

- ◆ 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>

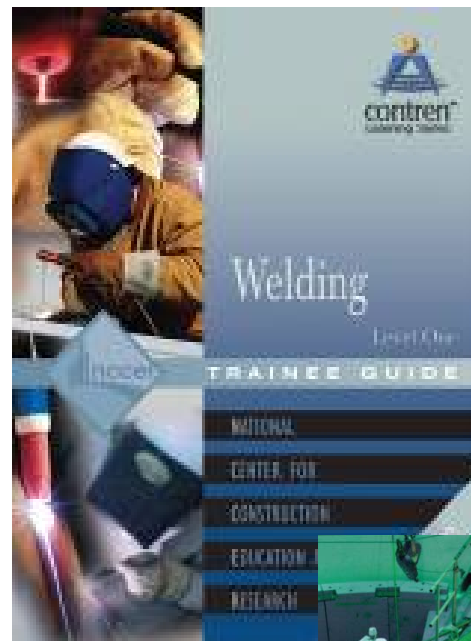
<**In Translation to Spanish>





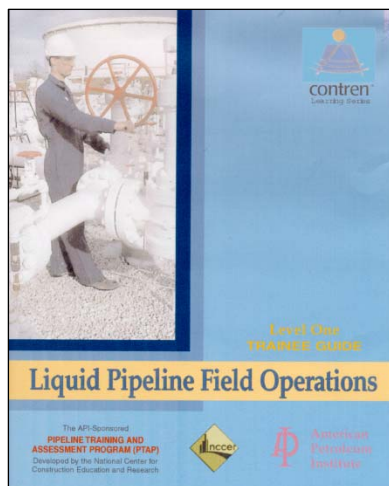
CONTREN LEARNING SERIES

- ◆ 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

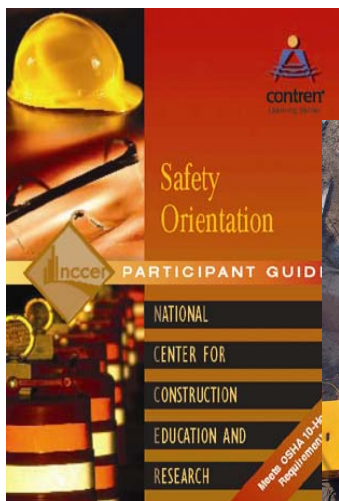


PIPELINE

- ◆ 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

CONSTRUCTNET INTERNATIONAL



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.

1/1



Salir

progreso



Repetir



Retroceder

Avanzar



CONTREN® CONNECT

Login / Register

Available Crafts

Features & Benefits

STUDENT DEMO

INSTRUCTOR DEMO

Developed by the NCCER (National Center for Construction Education and Research) and Pearson Prentice Hall, Contren® Connect features standardized curricula for the craft areas of carpentry, HVAC, electrical, and plumbing.

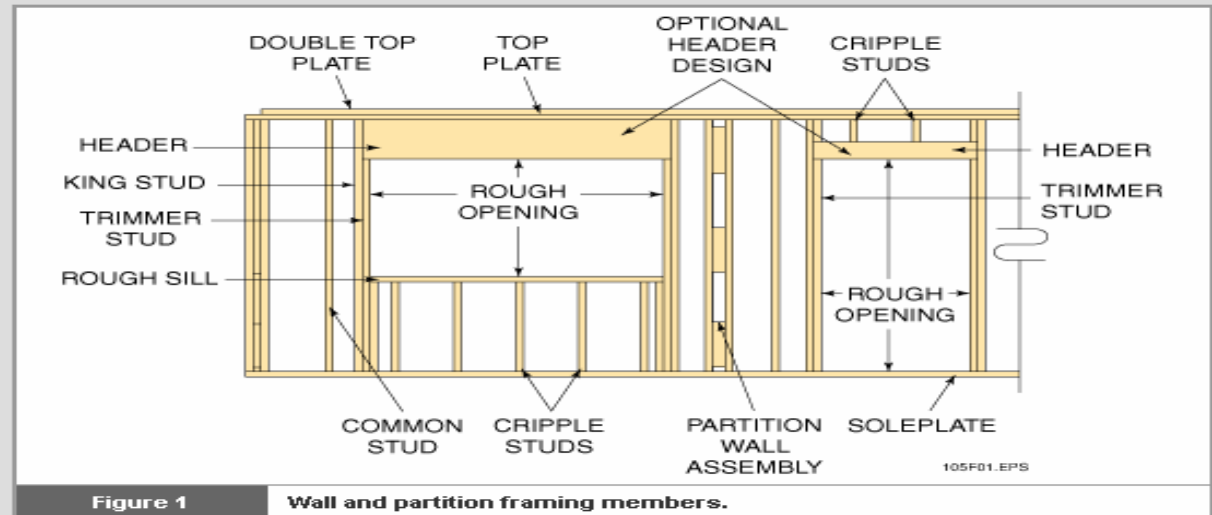
Contren® Connect

- ◆ 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

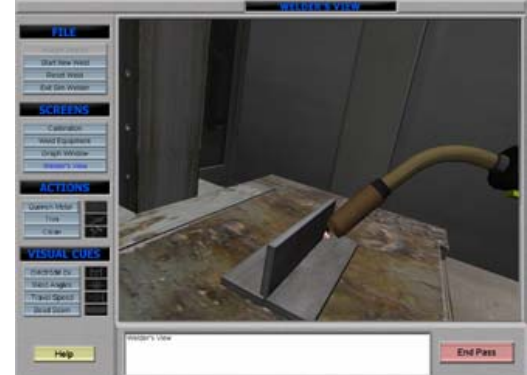




Welding Simulation



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





Market Breakdown

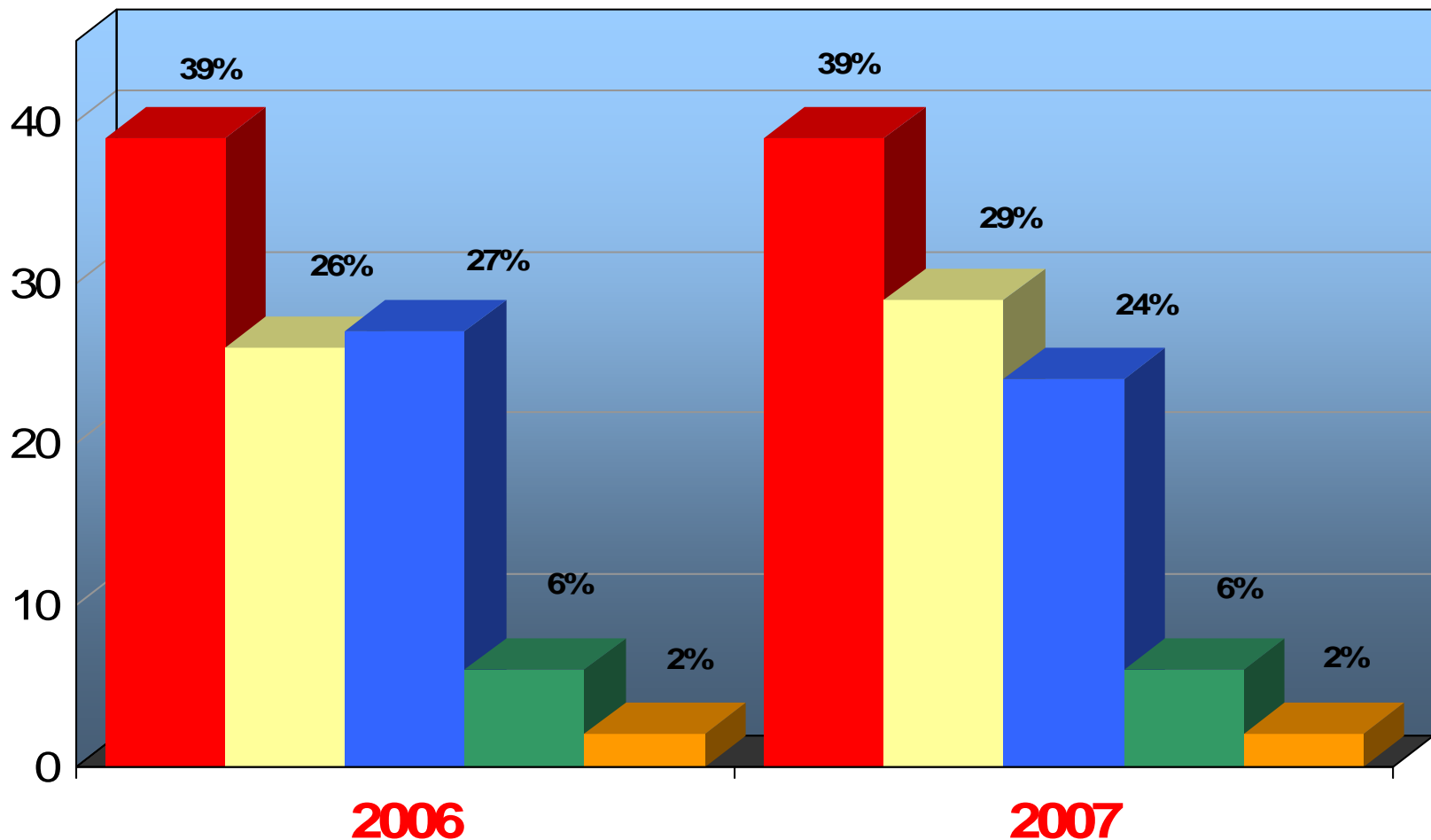
- ✓ Secondary/vocational high schools and technical
- ✓ State DOE
- ✓ Post-secondary community and technical colleges
- ✓ Career colleges
- ✓ Corrections (Adult and Juvenile-state, federal and private)
- ✓ Industry Associations
- ✓ Contractors
- ✓ Job Corps & Youth Build
- ✓ Owners
- ✓ Leased Labor

- ✓ 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[®] Usage

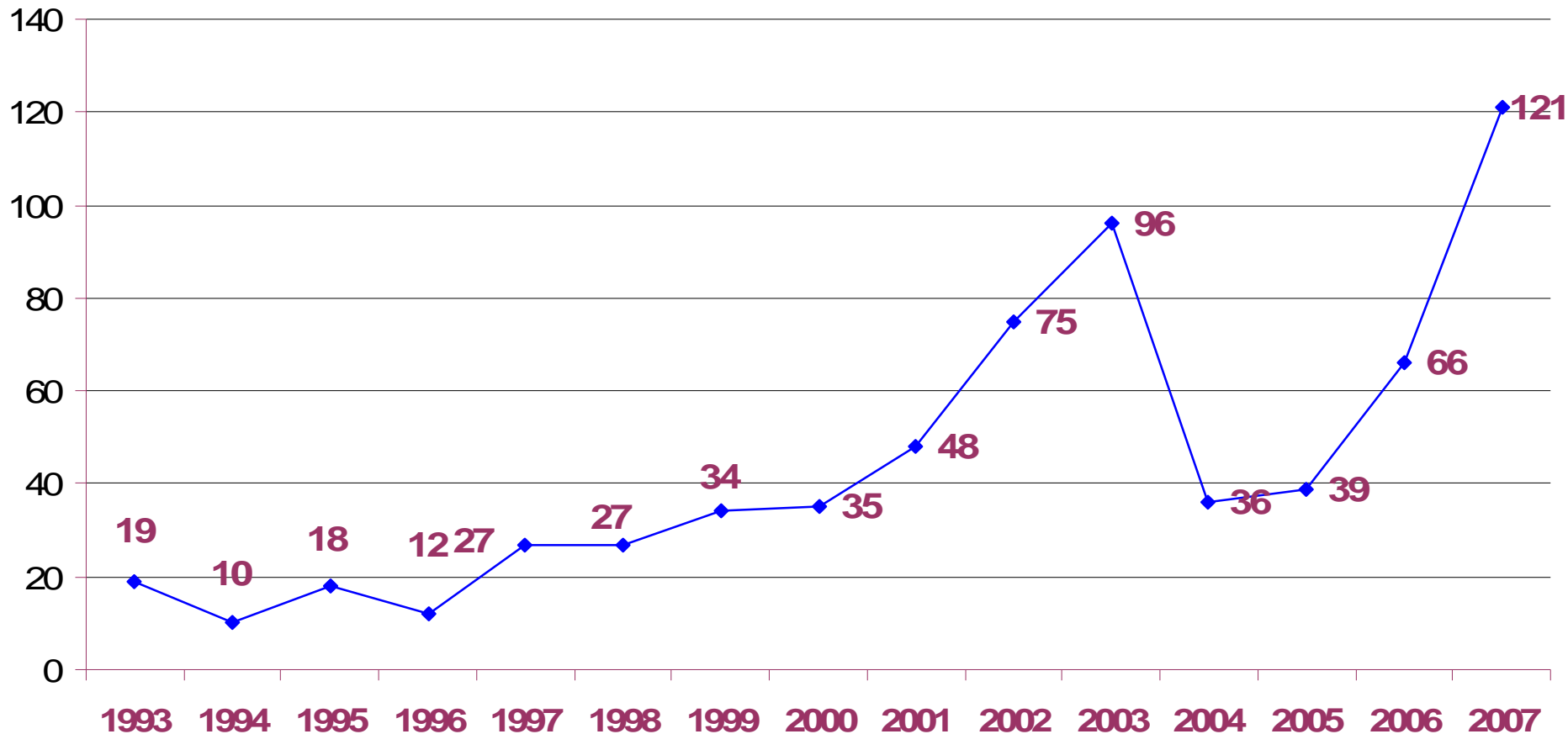
53% of usage in Secondary and Post Secondary Education

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



2007 Contren Projects

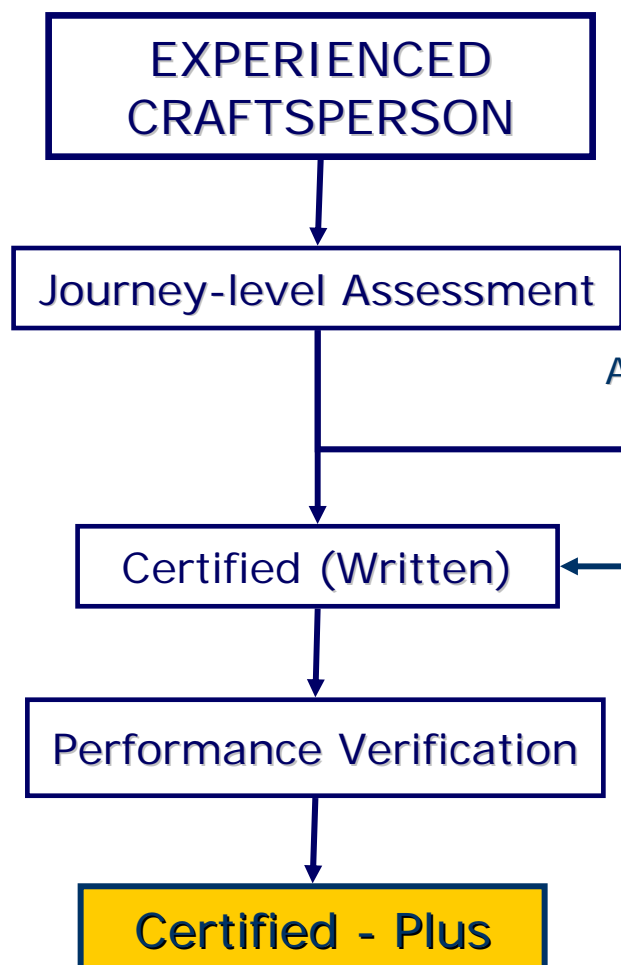
Continuously improve products and services to meet the needs of the industry and our customers.



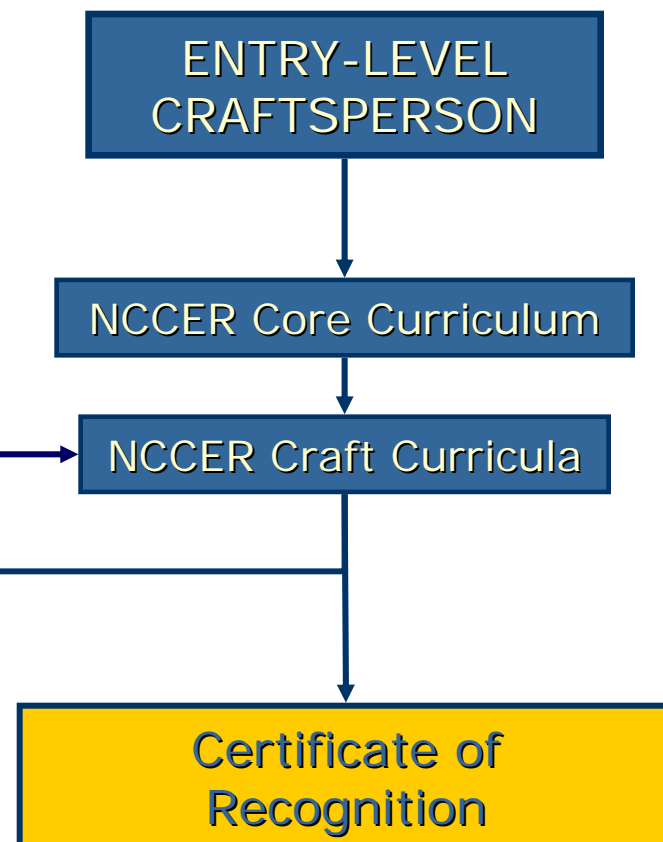


Assessment vs. Training

CRAFT ASSESSMENT



CRAFT TRAINING



Assessment & Certification

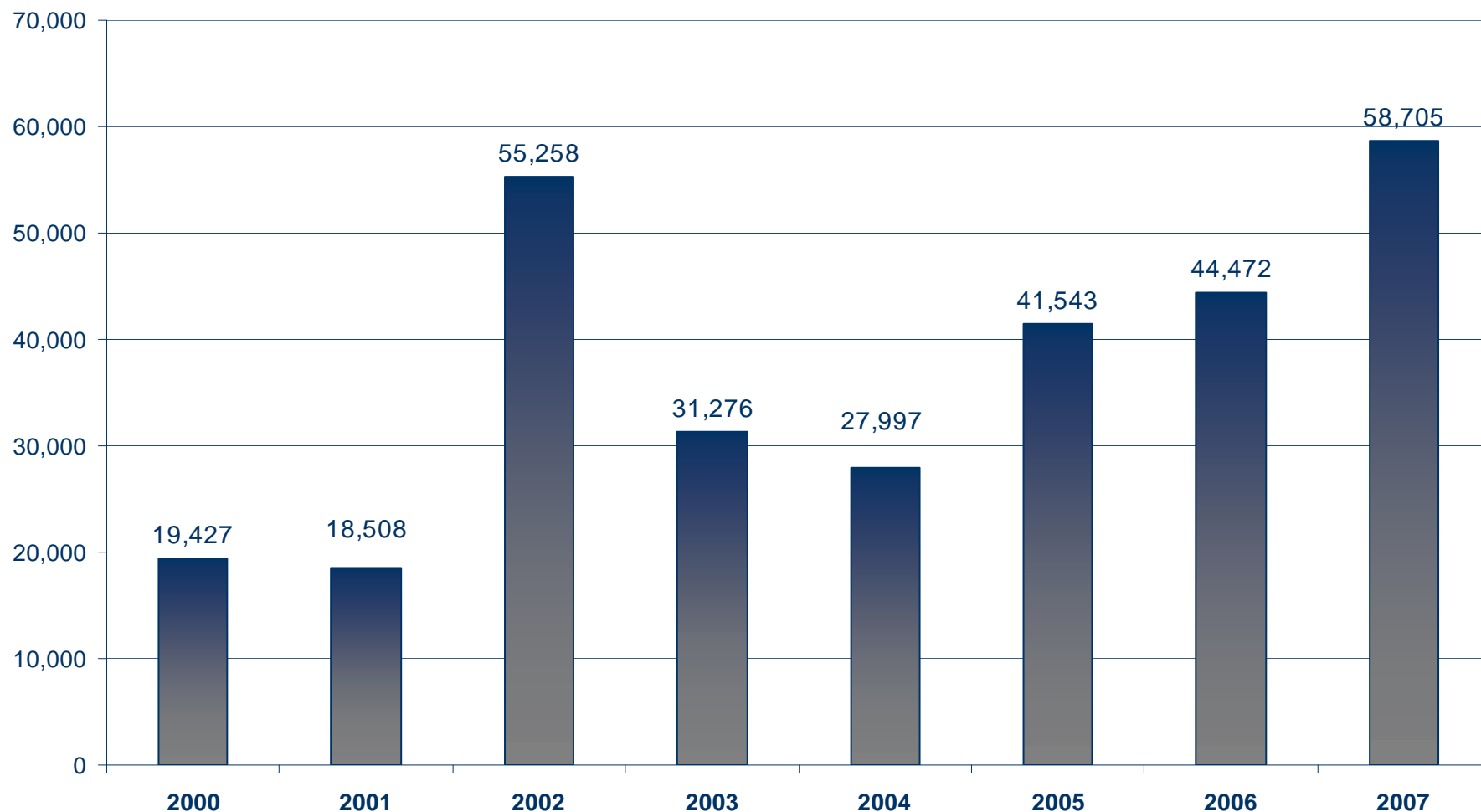
Score Report & Training Prescription 63% Overall Score

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



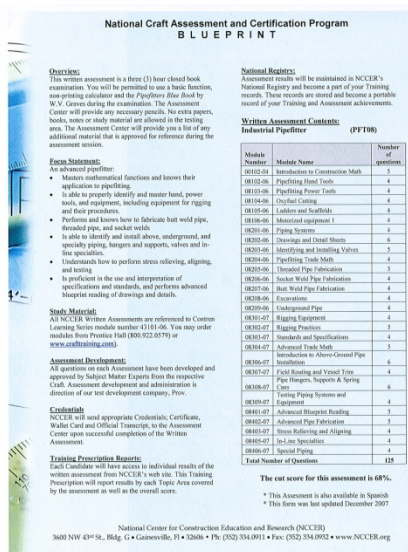
National Craft Assessment & Certification Program

Cumulative Program Total 292,478



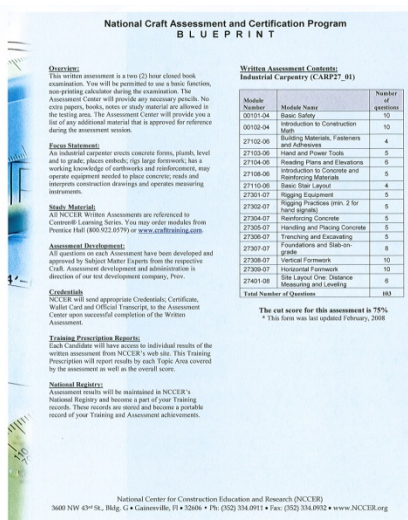


Latest Craft Assessments Releases



Industrial Pipefitting

- ◆ 68% Cut Score
- ◆ 125-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
- Negotiating techniques
- Time management
- Conflict resolution
- Problem solving techniques
- Conducting effective meetings

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

The academy is held at Clemson University's outdoor laboratory and Learning Center. The included, audio taping 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 strategy learned at the academy. Once the project is implemented and a report is submitted to NCCER, the participant will receive a certificate of completion and a letter 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

☐ NAWIC Leadership Academy for Women\$1200

Are you a NAWIC member? ☐ Yes ☐ No
If yes, chapter name or number: _____

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 _____
Attendee's Title _____ Contact Person/Position _____
Where did you learn about NCCER's NAWIC Leadership Academy? _____ Contact's Email Address _____

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 _____

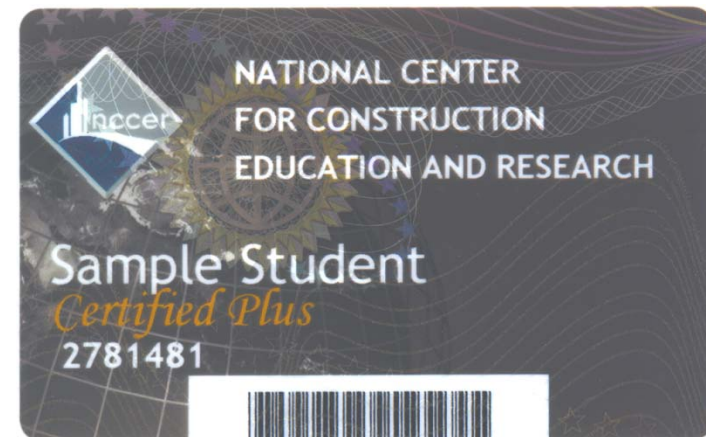
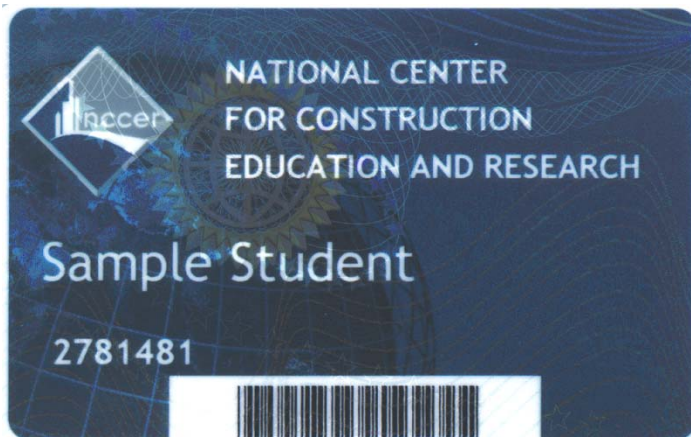
Payment: (Check One)
☐ MasterCard ☐ Visa ☐ Amex ☐ Discover ☐ Check # _____ ☐ Purchase Order # _____ ☐ Invoice
Credit Card Name _____ Card Number _____ Exp. Date _____
Signature _____
Purchase Order 558 To: _____

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 3500 HWY 42nd St, (Bldg. 4) Gainesville, FL 32606 or for registration form to 352.334.6932 and mail payment separately. Remittance statement is limited.
Cancellation Policy: 30 days or more prior to class - full refund; 15-29 days prior to class - 75% refund; 5-14 days prior to class - 50% refund; less than 5 days - no refund. Cancellation to transfer to another training program date paid no penalty, unless excessive requests to transfer are made. Requests to transfer must be received no later than 5 days prior to class. Substitutions may be made with advance notice. NCCER reserves the right to cancel programs with low enrollment up to 5 days prior to the starting date. For assistance please call 352.334.6933 ext. 118 or refer to 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 trademarked word, responsible for their courses of instruction. The educational training and advice to students does not pertain to any particular employer or provide legal advice or opinion, which can only be given when related to specific technical situations.



National Registry



Industry Recognized Credentials


National Registry

NCCER : Credentials : Accreditation : National Registry - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <http://nccer.org/credentials/nationalregistry.asp> Search Print

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

 NATIONAL CENTER FOR CONSTRUCTION EDUCATION AND RESEARCH

Credentials

- Home
- About NCCER
- Academies
- Assessments
- Credentials
- Curriculum
- Resources & Press Room
- School-to-Career
- Contact Us
- Newsletter Sign-Up

Search


Home / Credentials / Accreditation / National Registry

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... NCCE... 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

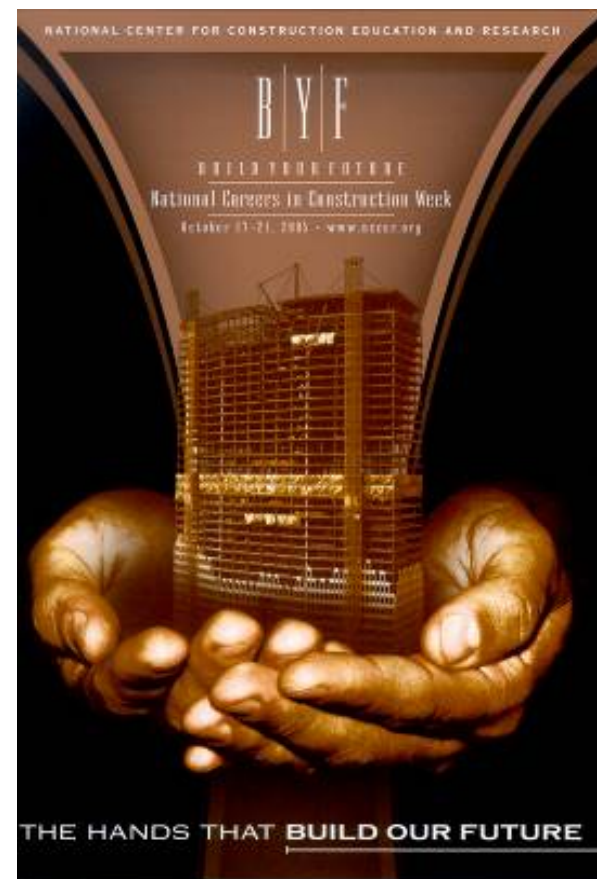
2006 CURT Workforce Development Award Winner

Build Your Future campaign

Linking industry to education

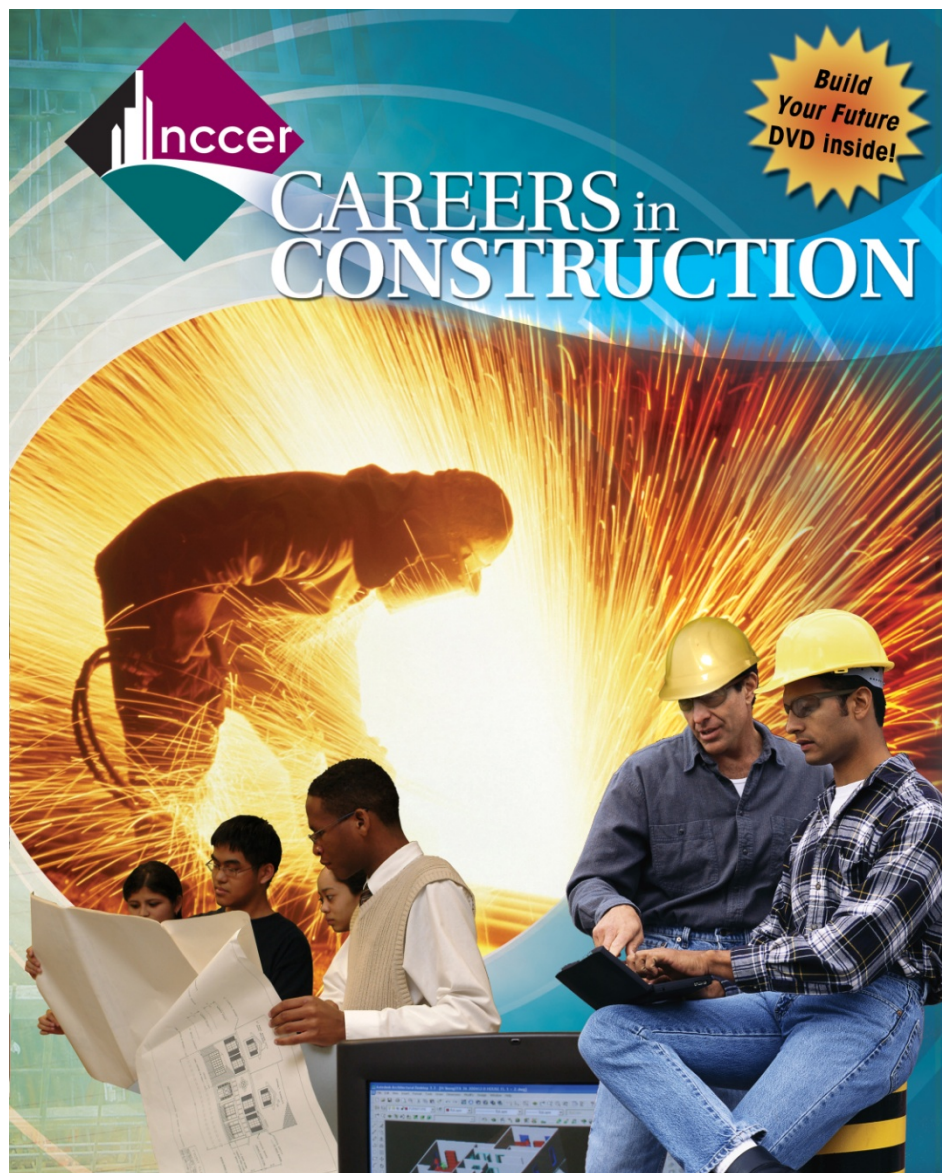
♦ Careers in Construction Week

♦ 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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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



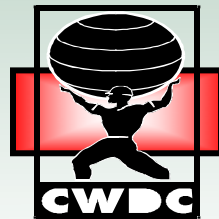
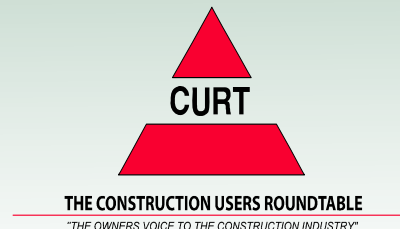
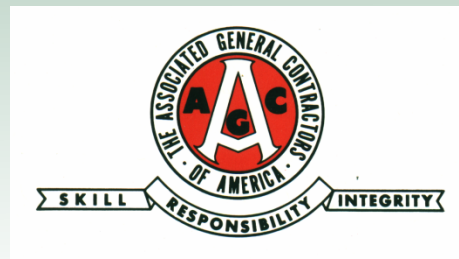
Career Center Homepage *In partnership with* McGraw-Hill Construction

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"/>

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CURT
THE CONSTRUCTION USERS ROUNDTABLE
"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

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
Productivity Improvement	11%	10%
Turnover Cost Decrease	14%	14%
Absenteeism Decrease	15%	15%
Injury Decrease	26%	27%
Rework Decrease	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
Total Benefits	\$521,595
Training Cost (1% Labor Cost)	\$230,296
Benefit Cost (B/C) Ratio	2.3

Newly Updated Web Site

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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.](#)



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

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Sample Student
2781481

Sample Student
Certified Plus
2781481

nccer
CERTIFIED

CORNERSTONE OF CRAFTSMANSHIP

BEGIN WITH YOUR EMPLOYEES

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FOR MORE INFO

nccer

CORNERSTONE OF CRAFTSMANSHIP

WE EMPLOY NCCER TRAINED &
CERTIFIED CRAFT PROFESSIONALS



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