THE BUILDING TRADES' MULTI-CRAFT CORE CURRICULUM

NABTU

GULF COAST BUILT RITE
PARTNERSHIP
"A TRIPARTITE LABOR-MANAGEMENT CONCEPT"
INDUSTRY USERS-CONSTRUCTION CONTRACTORS-BUILDING TRADES
"A Symbol of Excellence"

NABTU Apprenticeship Readiness Programs (ARPs)

North America's Building Trades Unions (NABTU) sponsors comprehensive apprenticeship-readiness training programs (ARPs) throughout the US. These 120+ programs provide a gateway for local residents, focusing on women, people of color, and transitioning veterans, to gain access to Building Trades' registered apprenticeship programs. ARPs are administered by state and local Building Trades Councils and they teach NABTU's nationally recognized Multi-Craft Core Curriculum (MC3).

How Do Building Trades ARPs Work?

Apprenticeship Readiness Programs are sponsored by State and Local Building Trades Councils, Training Coordinators, Contractors and JATCs in partnership with local community groups, government agencies and schools – both community colleges and secondary schools.

ARPs teach the Multi-Craft Core Curriculum (MC3), a comprehensive, 120-hour apprenticeship preparation curriculum.

The Multi-Craft Core Curriculum (MC3)

The Multi-Craft Core Curriculum (MC3) is a comprehensive pre-apprenticeship training curriculum. It was developed and approved by the Building Trades National Apprenticeship and Training Committee in 2008. In 2012, the U.S. Department of Labor awarded the Building Trades and the MC3 the Department's Registered Apprenticeship Innovator and Trailblazer Award at its 75th Anniversary celebration.

NABTU

Why Teach the MC3 In Our Schools?

MC3 programs are ladders to the Middle Class.

Building Trades apprenticeship programs serve as a pathway to middle-class career opportunities – good pay and benefits offered by the building and construction trades' contractor partners. According to the Bureau of Labor Statistics, median weekly earnings in construction for union members in 2016 was nearly $400 higher than that of non-union workers.

Why Teach the MC3 In Our Schools?

Registered Apprenticeship = the "other four-year degree"

These "earn while you learn" training programs in the Building Trades have been assessed for college credit. Many Building Trades apprenticeship programs also have articulation agreements with local community colleges. Once students complete their apprenticeship, they have the skills, nationally-recognized certifications, and college credits they can take anywhere in the country.

Why Teach the MC3 In Our Schools?

The MC3 = greater diversity in construction apprenticeship

The MC3 was specifically designed to provide opportunities for underserved populations in the construction industry, including women, people of color and transitioning veterans.

Of the 1,800 students who successfully completed the MC3 in 2015 and 2016, 80% were from communities of color and 25% were female.

Why Teach the MC3 In Our Schools?

The MC3 is high quality educational content

The MC3 was created to provide high quality, apprentice-level content to young people interested in construction, to prepare them for careers in the industry. One day, these students may join the Building Trades and work among the safest working, most highly skilled construction workers in the world. The MC3 has been certified by state education departments in a number of states across the country.

Why Teach the MC3 In Our Schools?

The MC3 connects two high quality education systems: America's secondary schools and the Building Trades registered apprenticeship programs

If your students complete the MC3 and join a registered apprenticeship program, they will join one of the largest privately-funded workforce development systems in the nation (see next slide for details).

Why Teach the MC3 In Our Schools?

NABTU and their signatory contractors invest over **$1 billion** annually in apprentice/journey-level training. This does not include the tens of millions invested by the JATCs annually in training facilities and equipment.

If the Building Trades training system, which includes both apprentice-level and journeyman-level training, was a degree granting college/university, it would be the largest degree granting college/university in the US — over 5 times larger than Arizona State University.

Building Trades Instructor Training

The 14 affiliated unions that make up North America's Building Trades Unions have a long and deep commitment to the quality of their members' job performance. Leaders of these unions believe that the instructors in their registered apprenticeship programs are key to maintaining the high level of achievement for which these unions are known. Simply put, the ability to create quality craftsmanship in construction comes from good teaching.

IBEW Instructor Training

The National Training Institute (NTI) from the International Brotherhood of Electrical Workers (IBEW) maintains a Professional Education Program to certify their instructors, which is taught to about 2,000 students annually at the University of Michigan. This program consists of four week-long instruction sessions over the course of four years (one annually), which consist of topics ranging from effective teaching methods to an overview of instructional technology, while building on the information during the previous year level's training.

UA Instructor Training

The United Association [of Plumbers, Fitters, Welders, & Service Technicians] offers a 200-hour Instructor Certificate Program, with classes available at their annual Instructor Training Program (ITP) held at Washtenaw Community College in Ann Arbor MI, as well as online. Courses must include 100 hours of technical and professional courses each. The United Association also requires that its instructors complete a Reflective Teaching Assignments (RTA), a teaching self-assessment, before moving on to their next level of coursework.

The MC3: Nine Chapters

The Multi-Craft Core Curriculum

- Construction Industry Orientation
- Tools and Materials
- Construction Health and Safety
- Blueprint Reading
- Basic Math for Construction
- Heritage of the American Worker
- Diversity in the Construction Industry
- Green Construction
- Financial Literacy

Students who complete MC3 receive a NABTU certificate

California

Reseda High School
Canoga Park High School
Kennedy High School
James Monroe High School
Arvin High School
Arroyo Valley High School
Jordan High School
Soquel High School
Salinas High School Green Academy
Laguna Creek High School
Norte Vista High School
North County Trade Tech High School
Hoover High School
John O'Connell High School
YouthBuild Charter School of California
LA Trade Technical College
Long Beach City College
American River College
Antelope Valley College
Hartnell College
Los Rios Community College
San Bernardino Community College District
San Jose Evergreen Community College District

Georgia

Atlanta Technical College

Minnesota

St. Paul Public Schools
Rosemont – Apple Valley – Eagan Public Schools
Bloomington Public Schools
Minneapolis Public Schools
White Bear Lake School District
North Hennepin Community College
St. Paul College Trading Up

Nevada

Mojave High School

New York

High School for Construction Trades, Engineering and Architecture
Thomas Edison High School
Queens Vocational High School
Bronx Design and Construction Academy
William E. Grady High School
Art and Design High School
Urban Assembly School for Green Careers
Co-op Tech (School of Co-operative Technical Education)

Ohio

Max Hayes High School (Cleveland)
Cuyahoga Community College
YouthBuild Columbus Community School

Washington

Clover Park Technical College

MC3 in Public Schools

Embedded in the CTE curriculum, the Multi-Craft Core Curriculum (MC3) takes students through union training centers where they receive instruction from industry experts. It provides a gateway for careers in the trades by preparing students to enter registered apprenticeship training programs.

"I wish I'd had exposure to something like the MC3 at my high school… I hope students who experience this program can find their way to apprenticeship training sooner than I did."

Houston Gulf Coast Building & Construction Trades Council / Gulf Coast Built-Rite Partnership, Inc. ARPstudents

CHARTER

ARP/MC3 PIPEFITTERS LOCAL #211
JUNE 2018 CLASS
www.hgcbctc.com

JOINT APPRENTICESHIP TRAINING PROGRAMS
Construction Trades Work/Study Programs

Program	Address	Training Director		Program Length
Boilermakers	2930 Gulf Frwy., LaMargue, TX	Mark Thomson 281-296-8856 409-938-8205		4 years
Heat & Frost Insulators Asbestos Workers	2210 Witchita St Pasadena, Texas 77502	Ricky J. Miguez 281-479-6842 fax: 281-542-6328		4 years HCCS
Bricklayers- International Masonry Institute	9105 Edgebrook Houston, Texas 77075	Jason Bias 202-213-5787		4 years
Carpenters/Millwrights	5500 Spencer Highway Pasadena, Texas 77505	David Barron 713-641-0275 fax: 713-641-0610		4 years
Cement Mason or Plasterer	2210 Witchita St Pasadena, Texas 77502	Kendrick Chenier 346-265-8698 fax: 713-923-4164		3 years HCCS
Electrical	108 Covern Street Houston, Texas 77061	Gary Strouz 713-649-2739 Fax: 713-649-1166	Algebra 1	5 years HCCS
Electrical/Galveston	2509 FM 2004 Texas City, TX 77591	Cathy Henderson 409-440-8790 Fax: 409-933-9893	Algebra 1	5 years COM

Program	Address	Training Director		Program Length
Elevators	2626 Sutherland Houston, Texas 77023	Joe Knowis 713-926-9678 Fax: 713-926-5892	Algebra 1	5 years
Ironworker's	7521 Fauna Street Houston, Texas 77061 1511 Upland Drive, S-106 Houston, Texas 77043	Frank Mormon 713-644-3206 fax: 713-644-3207 713-984-9980 Sean Cromwell		3 years HCCS
Operating Engineers	13285 Highway 146 S. Dayton, Texas 77535	Fred Swift 936-258-5341 fax: 936-258-5381		3 years
Painters Floor Layers Glaziers	5424 Spindle Dr. Houston, Texas 77086	Dina Owens 214-824-3602 fax: 281-931-8462		3 years 3 years 4 years HCCS
Pipe Fitters	1301 West 13th St. Deer Park, Texas 77536	Ira Schramek 713-649-0201 fax: 713-649-1051		5 years HCCS
Plumbers	454 Link Road Houston, Texas 77009	Robert L. Cross 713-861-3202 fax: 713-861-5616		5 years HCCS
Sheet Metal	900 West 34th St. Houston, Texas 77018-6319	Christopher Romo 713-869-5843 fax: 713-869-9553		Geometry 4 years HCCS

Welding

NABTU

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Houston Gulf Coast Building & Construction Trades Council
AFL CIO
American Federation of Labor & Congress of Industrial Organizations
Building Construction Trades Dept.
Orgd. Feb. 10, 1908
20 Counties

Gulf Coast Built Rite Partnership
"A Tripartite Labor-Management Concept"
Industry Users-Construction Contractors-Building Trades
"A Symbol of Excellence"