



Construction Pathway Update

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May 10, 2016

T&I Education eNewsletter

- Single source of communications for T&I Events
- Voluntary sign-up for all instructors and administrators
- Will be able to segment Administrator only communications
- Professional Development Announcements
- SkillsUSA Updates
- Go to www.ohioskillsusa.org to sign up.

Construction CTE-26 Pathway Codes

- Structural Systems Pathway Programs



- Mechanical, Electrical and Plumbing Pathway Programs



- Design and Management Pathway Programs



Courses in Structural Systems (DD) PATHWAY COURSES	SUBJECT CODE
Construction Technology-Core and Sustainable Construction ¹	178000
Carpentry and Masonry Technical Skills ²	178001
Mechanical, Electrical and Plumbing Systems ²	178002
Structural Systems	178003
Structural Coverings and Finishes	178004
Masonry-Brick and Block	178005
Concrete and Residential Masonry	178006
Construction Electrical Systems	178007
Residential Electrical Systems	178008
Residential and Commercial Plumbing Systems	178011
Construction Safety and Crew Leadership	178018
Plan Reading ²	178019
Construction Management	178022
Remodeling/Renovation	178023
Heavy Equipment Operations	178026
Construction Site Preparation	178027
Construction Pre-Apprenticeship/Capstone ³	178029
Pre-Apprenticeship Course	990365

Courses in Mechanical, Electrical and Plumbing (DE) PATHWAY

COURSES	SUBJECT CODE
Construction– Core and Sustainable Construction ¹	178000
Carpentry and Masonry Technical Skills ²	178001
Mechanical, Electrical and Plumbing Systems ²	178002
Construction Electrical Systems	178007
Residential Electrical Systems	178008
Commercial and Industrial Construction Electrical Systems	178009
Pipefitting and Plumbing Systems	178010
Residential and Commercial Plumbing Systems	178011
Heating and Cooling Systems	178012
HVAC Refrigeration	178013
Sheet Metal	178014
Telecommunications/Low Voltage Systems	178015
Alternative Power Generation Systems	178016
Powerline/Hi-Voltage Power Transmission	178017
Construction Safety and Crew Leadership	178018
Plan Reading ²	178019
Construction Management	178022
Facility and Building Maintenance	178024
Construction Pre-Apprenticeship/Capstone ³	178029
Pre-Apprenticeship Course	990365

Courses in Construction Design and Management (DF) PATHWAY

COURSES	SUBJECT CODE
Construction– Core and Sustainable Construction ¹	178000
Carpentry and Masonry Technical Skills ²	178001
Mechanical, Electrical and Plumbing Systems ²	178002
Construction Electrical Systems	178007
Heating and Cooling Systems	178012
Construction Safety and Crew Leadership	178018
Plan Reading ²	178019
Architecture Design- Structural and Mechanical/Electrical/Plumbing	178020
Architecture Design - Site and Foundation Plans	178021
Construction Management	178022
Remodeling/Renovation	178023
Facility and Building Maintenance	178024
Custodial Services	178025
Heavy Equipment Operations	178026
Construction Site Preparation	178027
Interior Design	178028
Construction Pre-Apprenticeship/Capstone ³	178029
Pre-Apprenticeship Course	990365

OSHA Recommendations

- OSHA 10
 - Strongly recommended for all students in Construction.
 - CareerSafe offers a course specialized in Construction.
 - Online course gets the same credential as Face to Face
 - Face to Face training requires special instructor certification.
- OSHA 30
 - This is extremely challenging and requires special instructor certification
 - Not necessarily an entry level requirement in most construction markets

Curriculum

- School choice of what works best in your market.
- Talk with Advisory Committee
- Union vs. Non-Union – both were at the table during standards development
- NCCER an option – NOT a Requirement

Teacher Licensure

- Things to consider when selecting courses
- While a teacher may be licensed through ODE
 - Do they have the appropriate training to safely and effectively deliver content
 - Industry Credential
 - Regulatory concerns
 - Safety and well-being of student

Teacher Licensure in Construction Pathway

- Teacher licensed in the pathway may not be able to teach all courses in the pathway. Check your certification against the course before selecting the course.
- Here is an example:
 - Pipefitting and Plumbing Systems 178010
 - Residential and Commercial Plumbing Systems 178011Restricted to a Plumbing Teaching License
- Introductory course for plumbing is:
 - Mechanical, Electrical and Plumbing Systems² 178002

Construction Course on the Horizon

- New Proposed Middle School Courses
 - 5 introductory middle school courses are in development
 - VM 30-60 hrs
 - Grades 7-10

Proposed Course Titles

- Construction Fundamentals
- Woods Construction
- Metals Construction
- Construction Drawings
- Introduction to Electricity