

MICHIGAN CONSTRUCTION READY STANDARDS

Industry established minimum performance qualifications (MPQ) for entry-level construction workers progressing on to any occupation in the construction industry.

- LEVEL I COMPETANCIES

- A. Attire

- i. Classroom
- ii. Job-site
- iii. Office

- B. Eating Habits & Nutrition

- C. Personal Communication

- i. Texting
- ii. Social Media
- iii. Email
- iv. Face-to-Face
- v. Meetings
- vi. Phone

- D. Personal Organization

- E. Trust Building

- F. Physical Fitness

- G. Financial Literacy

- i. Modern-day Electronic Banking

- ii. Debt Fundamentals

- iii. Personal Income Taxes

- H. Responsible Driving

- I. Free Application for Federal Student Aid (FAFSA)

- J. Employment Readiness

- K. Digital Literacy

- i. MS Basics

- ii. Web Browsing

- iii. Cloud Based Systems

- iv. Device Usage

- 1. *Computer*

- a. *PC & Apple*

- 2. *Tablet*

- a. *Apple, Android, Google*

- 3. *Smartphone*

- a. *Apple, Android, Google*

- L. Construction Hand Tools

- M. Fundamental Construction Math

- N. Construction Management Basics

- i. Residential

- ii. Commercial

- iii. Civil

- O. 10-hr OSHA

- P. CPR/First Aid

- Q. 5 S's of Lean Construction

- i. Sorting

- ii. Simplifying

- iii. Sweeping

- iv. Standardizing

- v. Sustain

R. Waste Disposal/Recycling xiii. Add on...

S. Hands-On Learning

- i. Build Small Structure
- ii. Small Hands-On Projects

T. Michigan Laws & Regulations

- i. Bureau of Construction Codes
- ii. Michigan Building Codes
- iii. Michigan Licensing
- iv. MI Occupational Safety & Health Administration

- RECOMMENDED COURSE MATERIALS

A. CORE

- i. Michigan What Every Driver Must Know
- ii. Skilled Trades Regulation Act – PA 407 of 2016
- iii. Occupational Code Act – PA 299 of 1980
- iv. 2015 Michigan Residential Code
- v. 2015 Michigan Building Code
- vi. MIOSHA Construction Standards
- vii. NEF Construction Industry Specialists
- viii. NCEER Core Curriculum: Introductory Craft Skills
- ix. IRS W-9 w/instructions
- x. W-2 w/instructions
- xi. CSI MasterFormat 2014
- xii. What Every Drive Must Know

- CERTIFICATION TARGETS

- i. Level I Michigan Construction READY
- ii. MIOSHA 10hr
- iii. Red Cross CPR/First Aid
- iv. Asbestos Awareness
- v. Lead Awareness
- vi. Add on...

- LEVEL II COMPETANCIES

- A. 30-hr MIOSHA

- i. Respirator Protection
- ii. Confined Space in Construction
- iii. Ladders
- iv. Powder Actuated Tools
- v. Lift Truck
- vi. Scissor/Aerial Lift

- B. First Aid/CPR/AED

- C. Construction Power Tools

- D. Basics of Building Science

- E. Building Energy Use

- F. Construction Documents

- i. Plans/Drawings
- ii. Specifications
- iii. Contracts
- iv. Paper & Electronic

- G. Rigging

- H. Paperwork Administration

- I. Introduction to Customer Service

- J. Certified Drivers License

- K. Sales & Marketing Fundamentals

- L. Entrepreneurialism

- M. Stakeholder Relationships

- i. Other Contractors
- ii. Construction Management Firms
- iii. Engineering Firms
- iv. Distributors/Suppliers
- v. Manufacturer's
- vi. Building Officials & Inspectors

- N. Shadow Employee vs. Independent Contractor

- O. Next Steps

- i. Job Searching
- ii. Education/Degree Tract
 1. *Ph.D.*
 2. *Bachelors*
 3. *Associates*
- iii. Training /Certification Tract
 1. *Community College*
 2. *Paid Apprenticeship*
 3. *Self-Funded Apprenticeship*
 4. *For-profit School*
 5. *Entry-Level Job*
- iv. Michigan Licensing
 1. *HVACR*
 2. *Plumber*
 3. *Electrician*
 4. *Residential Builder*
 5. *Maintenance & Alterations*
 6. *Professional Engineer*
 7. *Surveyor*
 8. *Architect*

- RECOMMENDED COURSE MATERIALS

- A. CORE

- i. Michigan Commercial Driver License Manual
- ii. Traffic Regulators Instruction Manual
- iii. 2015 Michigan Energy Code

- iv. Michigan Commercial Driver License Manual
 - v. Residential Energy Cost Savings and Comfort for Existing Buildings
Kriger/Dorsi
 - vi. Add on...
- B. PER TRADE (See additional pages)
- CERTIFICATION TARGETS
 - A. Level II Michigan Construction READY
 - B. MIOSHA 30-hour
 - C. CPR/First Aid/AED
 - D. Community College Credit
 - E. Powder Actuated Tools
 - F. Flagger Certification
 - NATIONAL CREDENTIAL OPTIONS
 - A. NCCER Core
 - B. NEF Construction Industry Specialist
 - C. HBI Pre-Apprenticeship Certificate Training
 - D. Add on...
- LEVEL III – OCCUPATION PATHWAY CONNECTIONS
 - A. Construction Management
 - B. Architecture, Design & Engineering
 - C. Construction Trades
 - D. Testing & Inspection
 - E. Equipment, Materials & Supplies