

COURSE OVERVIEW

Module 1 - Overview and History of Construction

Module 2 - Units of Measurements

Module 3 - Construction Materials

Module 4 - Hand Tools

Module 5 - Power Tools

Module 6 - Understand Machines/Engines

Module 7 - Load Securement and Ties

Module 8 - Carpentry/ Interior and Exterior

Module 9 - Steel Types/Rebar/Welding/Studds

Module 10 - Concrete/ Masonry/ Flat/ Walls/ Forms

Module 11 - Drywall/ Painting/ Residential

Module 12 - Heavy Construction

Module 13 - OSHA 10 Hours

Module 14 - PPE / Work Wear / Site Educate

Presented by JC



Students will receive a certification of completion after each module and a General Construction Skill Certification after the completion of the program.

IOWA SCHOOL OF CONSTRUCTION

COURSE OVERVIEW PAGE 1

MODULE 1 - OVERVIEW AND HISTORY OF CONSTRUCTION

INTRODUCTION TO THE CONSTRUCTION INDUSTRY, HISTORY AND THE USE OF CONSTRUCTION SKILLS.

MODULE 2 - UNITS OF MEASUREMENTS

INTRODUCTION TO MEASUREMENTS, LEARNING HOW TO MEASURE, DIFFERENT TYPES OF MEASUREMENT UNITS, CALCULATIONS AND HANDS-ON MEASUREMENT EXERCISES.

MODULE 3 - MATERIALS

INTRODUCTION TO CONSTRUCTION MATERIALS, TYPE OF MATERIALS AND DIFFERENT USES OF MATERIALS, HANDS-ON ON IDENTIFYING MATERIALS AND MEASURING FOR THE JOBSITE NEEDS.

MODULE 4 - HAND TOOLS

INTRODUCTION TO THE USE AND TYPES OF HAND TOOLS, HANDS-ON PRACTICE OF THE SKILLS NEEDED FOR HAND TOOLS ON SITE.

MODULE 5 - POWER TOOLS

INTRODUCTION TO THE USE AND TYPES OF POWER TOOLS, HANDS-ON PRACTICE OF THE SKILLS NEEDED FOR POWER TOOLS ON SITE.

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MODULE 6 - UNDERSTANDING MACHINES/ENGINES

INTRODUCTION TO THE USE AND TYPES OF MACHINES AND ENGINES, HANDS-ON PRACTICE ON MACHINES USED ON MOST SITES SUCH AS SKID LOADERS, CONCRETE BUGGIES, GENERATORS.

MODULE 7 - LOAD SECUREMENT/TIES

INTRODUCTION TO TIES AND HOW TO SECURE LOADS ON THE JOB SITE, WEIGHT AND DIFERENT TYPES OF RIGGING SYSTEMS.

MODULE 8 - CARPENTRY/ INTERIOR AND EXTERIOR

INTRODUCTION TO CARPENTRY AND THE TOOLS USED WHEN WORKING WITH WOOD FOR INTERIOR AND EXTERIOR SIDDING.

MODULE 9 - STEEL TYPES/ REBAR/ WELDING / STUDDS

INTRODUCTION TO THE USE OF STEEL FOR DIFFERENT TRADES, REBAR AND STUDDS USE ON THE CONSTRUCTION SITES.

MODULE 10 - CONCRETE/ MASONRY/ FLAT/ WALLS/ FORMS

INTRODUCTION TO CONCRETE, MATERIALS USED DURING CONCRETE POURING, FORMING, WALLS, FLAT WORK AND TOOLS.

MODULE 11 - DRYWALL/ PAINTING/ RESIDENTIAL

INTRODUCTION TO DRYWALL, STUDDS, BUILDING AND REPAIRS OF WALLS, PAINTING AND RESIDENTIAL CONSTRUCTION.

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MODULE 12 - HEAVY CONSTRUCTION

INTRODUCTION TO HEAVY CONSTRUCTION, TYPES OF CONSTRUCTION, ROADWORK, PARKING LOTS, EXCAVATION TYPES AND MATERIALS.

MODULE 13 - OSHA 10 HOURS

SAFETY ON THE JOBSITE

MODULE 14 - PPE / WORK WEAR / SITE EDUCATE

WHAT TO WEAR ON SITE THAT IS ACCEPTABLE BY OSHA FOR WORKER SAFETY REASONS, INTERACTION ON SITE WITH SUPERVISORS AND CO-WORKERS

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KEEP IN MIND:



**OUR MISSION IS TO OFFER PEOPLE AN
OPPORTUNITY TO BUILD SKILLS WHILE
PROVIDING WORKFORCE TRAINING
NECESSARY TO GAIN ENTRY LEVEL
EMPLOYMENT IN THE CONSTRUCTION
INDUSTRY.”**

“WE MAKE TALENTED PEOPLE BETTER”