

# Habitat for Humanity – Greater Fox Cities Area Construction Training - Course Catalog

## AIR SEALING AND INSULATING INSTALLATION (ON-SITE)

**Category:** Energy Efficiency

**Pre-Requisite:** N/A

**Description:** Learn the concepts and reasons why proper air sealing and insulation is so important to our homeowners now and in the future.

## AIR SEALING, INSULATING AND SHEETROCK INSTALLATION BASICS 201

**Category:** Energy Efficiency

**Pre-Requisite:** N/A

**Description:** Learn the concepts and reasons why proper air sealing and insulation is so important to our homeowners now and in the future as well as the basics of safely and effectively installing sheetrock.

## BASE TRIM INSTALLATION (ON-SITE)

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to layout, cut and install base/floor trim.

## BEAM AND SILL INSTALLATION (ON-SITE)

**Category:** Framing

**Pre-Requisite:** N/A

**Description:** Learn how to install the main support beam and posts, sill plates and layout floor joints.

## BLUE PRINTS 101

**Category:** Layout

**Pre-Requisite:** N/A

**Description:** Learn how to read and apply our standard blue prints on-site for the task at hand (cap foundation, wall layout, build components, truss layout, etc.).

## CABINET INSTALLATION (ON-SITE)

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to prepare, layout and install cabinets, countertops and trim.

## CAP FOUNDATION (ON-SITE)

**Category:** Framing

**Pre-Requisite:** N/A

**Description:** Learn how to install I-Joists and Deck sub-flooring.

## CLEANUP AND APPLIANCE INSTALLATION (ON-SITE)

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** This is our final volunteer day on the build site. Let's get this house ready for its Dedication and for the family to move in. We do a thorough cleaning, help the home owner finish the punch list and address any remaining issues or incomplete tasks.

## CONSTRUCTION BASICS 101

**Category:** General

**Pre-Requisite:** N/A

**Description:** Help our homeowners to get comfortable and hit the ground running for their work site debut. This course will take you through the steps of a typical Habitat build, how a standard "work" day (including roles and structure) operates, site and tool safety (including hands-on use) along with basic construction and materials terminology.

## CONSTRUCTION SAFETY & BASICS 201

**Category:** General

**Pre-Requisite:** “Required”

**Description:** For new(er) Senior Crew members – This course is twofold:

1. Construction/On-site Safety portion will provide our current safety practices and guidelines. **Your safety is our #1** concern and remember:
  - a. “A SAFE build site is a FUN build site”
  - b. “No task is so important to not do it safely”
2. Construction Basics will give you an idea of what you’ve gotten yourself into by giving you a tour of our Habitat build process, how a typical “work” day (including roles and structure) operates, basic construction concepts, materials and terminology.

## EXTERIOR DOOR INSTALLATION 201

**Category:** Doors

**Pre-Requisite:** N/A

**Description:** Learn the “in’s and out’s” of installing exterior doors as well as how to recognize and resolve common installation issues.

## EXTERIOR DOOR INSTALLATION (ON-SITE)

**Category:** Doors

**Pre-Requisite:** N/A

**Description:** Learn how to properly install exterior doors.

## HOME ENERGY PERFORMANCE 101

**Category:** Energy Efficiency

**Pre-Requisite:** Air Sealing & Insulation Installation (On-Site) OR Air Sealing, Insulation & Sheetrock Basics 201.

**Description:** Hosted by our Home Energy Performance consultants this course will demonstrate an actual Home Energy Performance Test while allowing trainees to participate and observe testing techniques. This course will help you better understand how our Habitat homes compare to for profit builders in the area and how we have improved Habitat home performance since 2008.

## INTERIOR DOOR AND TRIM INSTALLATION 201

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to install and trim interior doors while uncovering and solving a few cleverly hidden “traps”.

## INTERIOR DOOR AND TRIM INSTALLATION (ON-SITE)

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to properly install and trim interior doors.

## PAINTING – INTERIOR (ON-SITE)

**Construction type:** New, Rehab, Home Repair, RTB

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to have fun and be an effective and efficient painter at the same time☺

## ROOF FRAMING (ON-SITE)

**Category:** Framing

**Pre-Requisite:** N/A

**Description:** Installing trusses, roof sheathing and sub-fascia.

## SAFETY FALL PROTECTION (ON-SITE)

**Category:** Safety

**Pre-Requisite:** N/A

**Description:** How to properly check and use fall protection equipment. This training takes place on-site each day that fall protection equipment is used.

## SAFETY FALL PROTECTION AND PPE 101

**Category:** Safety

**Pre-Requisite:** N/A

**Description:** How to properly check and use fall protection equipment.

### **SHEETROCK INSTALLATION (ON-SITE)**

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to properly and effectively install ceiling wall sheet rock.

### **SIDING AND TRIM INSTALLATION 201**

**Category:** Finishing-Exterior

**Pre-Requisite:** N/A

**Description:** Learn how to dress up a home's exterior and how to make sure it can endure Wisconsin's temperature and weather extremes for many years to come.

### **SIDING AND TRIM INSTALLATION (ON-SITE)**

**Category:** Finishing-Exterior

**Pre-Requisite:** N/A

**Description:** Learn how to properly install siding and related trim.

### **SIDING PREPARATION AND LAYOUT (ON-SITE)**

**Category:** Finishing-Exterior

**Pre-Requisite:** N/A

**Description:** Understand the basics of siding layout and preparation for siding.

### **SITE SUPPORT TRAINING**

**Category:** Leadership

**Pre-Requisite:** N/A

**Description:** A document outlining all tasks in detail is provided. New site support volunteers can also shadow a current volunteer.

### **SITE LEADER TRAINING (ON-SITE)**

**Category:** Leadership

**Pre-Requisite:** N/A

**Description:** Shadowing and mentoring program designed to encourage and grow Senior Crew mentors into Leadership roles.

### **SOFFIT AND TRIM INSTALLATION 201**

**Category:** Finishing-Exterior

**Pre-Requisite:** N/A

**Description:** Learn the basics of metal working (e.g. bending, cutting, shaping), installation of soffit and trim and the fine art of "finishing" well.

### **SOFFIT AND TRIM INSTALLATION (ON-SITE)**

**Category:** Finishing-Exterior

**Pre-Requisite:** N/A

**Description:** Learn how to install soffit and fascia.

### **SO, YOU WANNA BE A SITE LEADER? (101)**

**Construction type:** New, Rehab, Home Repair, RTB

**Category:** Leadership

**Pre-Requisite:** N/A

**Description:** Learn about the site leader role and how your strengths can be leveraged to be an effective site leader on a Habitat build site

### **SO, YOU MUST HAVE SAID YES TO BEING A SITE LEADER! (ON-SITE)**

**Construction type:** New, Rehab, Home Repair, RTB

**Category:** Leadership

**Pre-Requisite:** So, you wanna be a site leader? (101)

**Description:** Through this on-site shadowing/mentoring program you will begin to observe and experience the role of Site Leader on a Habitat build site. You will shadow and be mentored by an experienced site leader (or construction staff) until you feel comfortable to site lead on your own (rest assured you will continue to be supported via experienced senior crew and staff support as needed)

### **STAIR INSTALLATION – FINISH (ON-SITE)**

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to cut and install stair skirting, treads and risers and hand railing

### STAIR INSTALLATION ROUGH-IN (ON-SITE)

**Category:** Framing

**Pre-Requisite:** N/A

**Description:** Learn how to calculate and accurately layout, cut and install stair stringers and temporary stair treads.

### ~~TOOLS: PASLODE TROUBLE SHOOTING 101~~

~~**Category:** Tools~~

~~**Pre-Requisite:** N/A~~

~~**Description:** Learn how to do basic Paslode nail gun trouble shooting.~~

### ~~TOOLS: POWER TOOL SAFETY 201~~

~~**Category:** Safety~~

~~**Pre-Requisite:** N/A~~

~~**Description:** Included in both Construction Basics course as well as on-site training for new users.~~

### TRAINING HOUSE (ON-SITE)

**Category:** General

**Pre-Requisite:** N/A

**Description:** At least one new home build per season is dedicated to training each season. This is primarily designed for training new Senior Crew members on an actual build site that has extra days built into the schedule (nine extra days). It also serves existing crew members that want to learn or improve their skills in a specific area or task.

### TRIM WRAPPING 301

**Construction type:** Rehab, Home Repair, RTB

**Category:** Finishing-Exterior

**Pre-Requisite:** Soffit and Trim Installation 201, Soffit and Trim Installation (On-Site)

**Description:** Learn how to measure, cut, bend and install metal to cover exterior wood trim for doors, windows, fascia, etc., and create a new, maintenance free exterior that looks great for a long, long time.

### TRIM WRAPPING 310 - ADVANCED

**Construction type:** Rehab, Home Repair, RTB

**Category:** Finishing-Exterior

**Pre-Requisite:** Trim Wrapping 301

**Description:** Focus on the variations and tips of the trade for efficiently and effectively wrapping existing exterior fascia trim for a great look.

### UNDERLAYMENT INSTALLATION DRICORE (ON-SITE)

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to layout and install basement flooring underlayment.

### UNDERLAYMENT INSTALLATION MULTIPLY (ON-SITE)

**Category:** Finishing-Interior

**Pre-Requisite:** N/A

**Description:** Learn how to layout and install vinyl flooring underlayment.

### WALKTHROUGH – HOMEOWNER (ON-SITE)

**Category:** Homeowner Support

**Pre-Requisite:** Minimum 1 year Senior Crew experience

**Description:** Shadow/mentoring program.

### WALL BUILDING (ON-SITE)

**Category:** Framing

**Pre-Requisite:** N/A

**Description:** Learn how to build and install interior and exterior walls.

### WALL LAYOUT 101

**Category:** Layout

**Pre-Requisite:** Blue Prints 101 & minimum 1 year Senior Crew experience

**Description:** Learn to apply your Blue Print 101 skills, as you delve into the world of wall layout terminology, concepts and practice.

### WALL LAYOUT (ON-SITE)

**Category:** Layout

**Pre-Requisite:** N/A

**Description:** Learn how to transfer blue print information to actual layout on interior and exterior walls.

## WINDOW AND DOOR COMPONENTS ASSEMBLY 201

**Category:** Framing

**Pre-Requisite:** N/A

**Description:** Learn the purpose and function of window and door components, how to use the component manual to properly cut and assemble components. The components built in this course will be used on a future build project. You will also learn how to properly and safely use the typical power tools used on a Habitat build site.

## WINDOW AND DOOR COMPONENTS ASSEMBLY (ON-SITE)

**Category:** Framing

**Pre-Requisite:** N/A

**Description:** Learn the purpose and function of window and door components, how to use the component manual to properly cut and assemble components.

## WINDOW INSTALLATION 201

**Category:** Windows

**Pre-Requisite:** N/A

**Description:** Learn the “up’s and down’s” of window installation and why it’s not just the windows performance but proper installation that makes the difference.

## WINDOWS INSTALLATION (ON-SITE)

**Category:** Windows

**Pre-Requisite:** N/A

**Description:** Learn how to properly install windows.

## WINDOW INSTALLATION 301

**Construction type:** Rehab, Home Repair, RTB

**Category:** Windows

**Pre-Requisite:** Window Installation 201, Window Installation (On-Site)

**Description:** Learn the “up’s and down’s” of pocket/replacement window installation and why it’s not just the window performance but proper installation that makes the difference

## Coming in the future:

Tools basics, tips and tricks - identify key hand and power tools (differences and uses of drills/drivers for example), review basic safety procedures, how to check a tool for damage before using, how to safely use tool, how to effectively use tool (tips and tricks), what is the right tool for the job?