

Construction Overview

- The Importance of Understanding Construction
- The Approach

The Roofing System

- Up on the Roof
 - ✓ Common Roofing Terms
 - ✓ Roof types
- Layers of the Roof
 - ✓ The Exterior Layer of the Roof
 - Asphalt Shingles
 - Laminated Fiberglass Shingles
 - Wood Shakes / Shingles
 - Metal Roofing
 - Ceramic / Clay Tile (and Concrete Tile)
 - Slate Roofing
 - Concrete roof tiles
 - Rolled roofing
 - ✓ Other Roof Components
 - Vent
 - Chimney
 - Skylights
- Coming Off the Roof

The Structure and Exterior

- The Exterior
- Windows
 - ✓ The Anatomy of a Window
 - ✓ Window types
 - ✓ Materials
- Doors
 - ✓ The Anatomy of a Door
 - ✓ Door Types and Materials
- Exterior Finishes and Other Exterior Items

Course Outline

- ✓ Protecting the Windows
- ✓ Exterior Finishes
- ✓ Underlayment
- ✓ Framing
- ✓ Framing and the Foundation
- ✓ Other Exterior Structures
 - Walkways
 - Patios
 - Decks
 - Driveways

Standard Interior Room Construction

- Moving Inside
- Standard rooms and flooring
 - ✓ Standard rooms
 - ✓ The Subfloor
 - ✓ Flooring
- Ceiling and Walls
 - ✓ Wall Types
 - ✓ Ceiling and Wall Finishes
 - ✓ Insulation
- Finish Carpentry
- The Electrical System and Finishing Items
- Non-standard Rooms
 - ✓ Bathroom
 - Sinks
 - Toilets
 - Tubs
 - Bath and shower
 - ✓ Plumbing
 - ✓ Rough plumbing
 - Copper
 - PVC
 - ABS
 - Polyethylene
 - ✓ Plumbing Fixtures
 - Water heaters
 - Water softeners

Course Outline

- Water tanks
- The Kitchen
 - ✓ Appliances
 - ✓ Plumbing
 - ✓ Cabinets
 - ✓ Counters
- Cooling and Heating
 - ✓ HVAC
 - ✓ The heating system
 - ✓ Forced air
 - ✓ Air conditioning systems
 - ✓ HVAC Cooling-Heat Pumps
- Building Codes

Course Closing

- Wrapping Things Up
- Next Steps