



COURSE OVERVIEW: Universal Design/Build (2-Day Course)

Course Description

Universal Design/Build presents a shift in the approach to residential design and construction. Comfort and convenience regardless of age, stature or ability is the hallmark of inclusive design. Designers, suppliers, builders, remodelers, and health care professionals will benefit from the creative design concepts and practices presented to develop market-driven projects that are highly functional, yet integrated and aesthetically appealing. Certified Aging-in-Place Specialist (CAPS) courses are not a pre-requisite and CAPS graduates will find benefit by expanding into the broader spectrum of universal design that offers a much wider target audience.

Audience for this Course

This course is intended for:

- Design/build professionals including builders, remodelers, interior designers, architects, kitchen/bath designers, developers, civil engineers
- Health care professionals including occupational therapists, physical therapists, social workers, discharge planners, nurses, case managers, rehabilitation engineers
- Public and private agency staff including housing finance agencies, community development agencies, CHODOs- community housing development organizations
- Allied industry partners including product manufacturers and suppliers, consultants, planners, real estate professionals, appraisers, home inspectors, bankers, electronic systems contractors

Although *Marketing & Communications Strategies for Aging & Accessibility(CAPS I)*, *Design/Build Solutions for Aging and Accessibility (CAPS II)*, and *Business Management for Building Professionals (CAPS III)* are not prerequisites, they are highly recommended.

Course Learning Objectives

After this course you will be able to:

- Describe the significance of integrating UD concepts in residential construction
- Distinguish between accessibility solutions and UD solutions
- Describe ways that functional design can provide, safety, security, ease of use and comfort while being attractive and appealing.
- Identify and implement solutions for simple and complex scenarios that address various household compositions, budgets and changing needs of clients
- Use effective marketing and communication strategies throughout the process
- Locate resources, products, materials and services

Topics Covered

Section 1: Universal Design Overview

- UD Defined

- Global and societal factors that impact UD
- Benefits of UD

Section 2: Developing a Universal Design Program

- Developing a UD program
- Tips for Gathering and Discussing Clients' Needs

Section 3: Foundations, Entrances, and Exterior Routes of Travel

- Entrance Decisions
- Foundations
- Landscaping Techniques
- Entries
- Garages
- Home Outdoor Spaces

Section 4: Interior Passages and Vertical Circulation

- Single vs. Multistory Housing
- Interior Passages
- Vertical Circulation

Section 5: Indoor Environmental Quality

- Acoustics
- Daylighting
- Artificial lighting
- Air Quality

Section 6: Doors and Windows

- Doors
- Windows

Section 7: Kitchen

- Kitchen Functions: Storage, Preparation, Cooking, Serving, Clean-Up, Health and Wellness
- Kitchen Lighting
- Materials and Products
- Auxiliary Kitchens

Section 8: Bathroom and Bedroom

- Bathroom
- Closet and Dressing Area
- Bedroom
- Health and Wellness

CE and Designation Criteria

- Required for NAHB Designations: CGB, GMB, GMR
- 12 CE for NAHB Designations: CAPS, CGA, CGB, CGR, GMB, CSP, Master CSP, CMP, MIRM
- 12.0 AIBD CE
- 12 AIA/CES HSW LU
- 1.2 AOTA CEU
- 1.2 CEU for IDCEC, IIDA, IDC & ASID

Learn more about NAHB designations at nahb.org/designations

Questions?

Contact the NAHB Designation Help Line: 800-368-5242 x8164 or email education@nahb.org