



## **Accessibility for All**

7 hours non-code

### **Course Objectives & Outline**

#### **Course Description:**

This 7-hour course explores questions of accessibility via the “2010 ADA Standards for Accessible Design,” then addresses specific residential modifications relevant to an aging population.

*Simplifying the ADA* provides an overview of the U.S. Department of Justice’s “2010 ADA Standards for Accessible Design,” a comprehensive set of standards about designing buildings to facilitate their use by the handicapped. Since its release in September of 2010, it has been joined by numerous model codes, building codes, and other published standards – based in part or in whole on the 2010 publication – creating some confusion as to what exactly is required. *Simplifying the ADA* returns to the original guidelines, simplifying them and addressing their intent.

*Aging in Place: Eliminating Traps* applies many of the previously-examined guidelines and the research behind them to the elderly. It considers both creating new structures which are far more user-friendly to an aging population, and making incremental changes to existing homes as needs arise.

#### **Course Objectives:**

By the end of *Simplifying the ADA*, learners will:

1. Recognize relevant terminology
2. Distinguish between accessibility laws mandated for buildings constructed using governmental funds, accessibility guidelines for buildings built by private entities for public use, and practical exceptions to both
3. Recall the scoping and technical requirements for accessibility to sites, facilities, buildings, and elements by individuals with disabilities

By the end of *Aging in Place: Eliminating Traps*, learners will:

1. Manage expectations pertaining to both aging and aging in place
2. Distinguish between navigational challenges faced by the elderly outside the home, and how these can be mitigated through better design
3. Recognize design choices that make common areas in multi-family housing more user friendly and safer for the aged

4. Identify physical changes that can be made in common residential structures, to make aging-in-place less physically challenging and/or mentally confusing, and therefore less dangerous
5. Recall cost considerations and potential additional obstacles

**Course Outline:**

<b>Unit</b>	<b>Time (Minutes)</b>
Course Orientation	1.85
Acknowledgement of Orientation	0.00
SIMPLIFYING THE ADA	0.00
1. Introduction a. Applicability of Guidelines b. Glossary of Terms	9.85
2. 28 CFR PART 35.151 - New Construction and Alterations a. Exceptions b. Compliance Dates & Scope of Coverage c. Requirements Pertaining to Specific Building Types	9.89
3. 28 CFR PART 36, SUBPART D - New Construction and Alterations a. Additional Exemptions	6.78
4. A Place to Park a. Parking Space Requirements b. Location of Parking Facilities c. Physical Characteristics of Parking Facilities	6.37
5. A Path to Tread a. Accessible Routes b. Entrances c. Doors, Doorways, and Gates d. Elevators and Lifts e. Security Barriers & Accessible Means of Egress	11.00
<i>Review: Flashcards 1</i>	5.00
<i>Assessment 1</i>	5.00
5. A Path to Tread (cont) f. Accessible Routes g. Stairways h. Case Study	10.06
6. Entries that are Bar None a. Doors, Doorways, and Gates b. Case Study	7.25

7. Navigating through the Building a. A Clear Path b. Vertical Conveyances c. Types of Vertical Conveyances d. Case Study	18.02
8. Specifics for Specific Spaces a. Assembly Areas b. Medical Care and Long-Term Care Facility Requirements c. Accessible Transient Lodging Guest Rooms	8.50
<i>Review: Flashcards 2</i>	5.00
<i>Assessment 2</i>	5.00
8. Specifics for Specific Spaces (cont) d. Storage Facilities e. Miscellaneous Components f. Accessible Judicial Facilities g. Accessible Residential Facilities h. Accessible Saunas and Steam Rooms; Dressing, Fitting, and Locker Rooms; Patient Rooms i. Accessible Holding and Housing Cells; Accessible Courtrooms j. Accessible Transportation Facilities k. Case Study	22.52
9. Usable Equipment and Hardware a. Accessible Drinking Fountains; Accessible Kitchens, Kitchenettes and Sinks b. Accessible Toilet Facilities and Bathing Facilities; Accessible Lavatories c. Children's Bathrooms; Accessible Adult Water Closets and Compartments; Urinals d. Accessible Bathtubs e. Accessible Shower Compartments f. Accessible Tub and Shower Seats g. Wheelchair Accessible Toilet Compartments h. Accessible Bathroom Accessories; Grab Bars i. Accessible Washing Machines and Clothes Dryers	19.31
10. Communication Features a. Communication Features in General b. Notifications c. Signage (Part 1)	4.81
<i>Review: Flashcards 3</i>	5.00
<i>Assessment 3</i>	5.00
10. Communication Features (cont) c. Signage (Part 2) d. Accessible Telephones e. Transportation Facilities; Assistive Listening Systems f. Accessible Automatic Teller and Fare Machines; Accessible Two-Way Communication Systems	12.74

11. Finishing Well a. Surfacing Materials b. Furniture	4.93
12. Recreational Facilities a. Accessible Amusement Rides b. Accessible Recreational Boating Facilities c. Accessible Fishing Piers and Platforms d. Accessible Exercise Machines and Equipment e. Accessible Golf Facilities; Accessible Miniature Golf Facilities f. Play Areas g. Accessible Swimming Pools, Wading Pools, and Spas h. Accessible Shooting Facilities with Firing Positions	25.62
<i>Review: Flashcards 4</i>	5.00
<i>Assessment 4</i>	5.00
<b>AGING IN PLACE: ELIMINATING TRAPS</b>	<b>0.00</b>
1. Introduction a. The Scope of this Work b. Problems to be Expected with Aging c. Expect Resistance d. Potential Changes Ahead	10.51
2. Outside the Home a. Public Transportation b. Pick a Walking Route c. Outdoor Car Parking d. Site Lighting e. Site Furnishings f. Landscaping g. Gardens h. Private Exterior Spaces i. Exterior Wayfinding j. Building Exterior k. Accommodating Pets l. Outside the Entry	20.87
3. Common Areas in Multi-Family a. Circulation – Lobby b. Interior Wayfinding	3.25
<i>Review: Flashcards 5</i>	5.00
<i>Review: Matching 1</i>	10.00
<i>Assessment 5</i>	5.00

3. Common Areas in Multi-Family (cont) c. Mailrooms & Administration Offices d. Common Restrooms e. Storage Areas & Common Dining f. Laundry Facilities g. Other Community Spaces	8.19
4. Inside an Individual Home a. In General b. Foyer / Entry c. Living Room d. Kitchen / Dining e. Bathrooms f. Bedrooms g. Laundry Room	26.49
<i>Review: Flashcards 6</i>	5.00
<i>Review: Matching 2</i>	10.00
<i>Assessment 6</i>	5.00
4. Inside an Individual Home (cont) h. Garage or Carport & Storage Areas i. Hallways / Corridors j. Stairs and Ramps k. Additional Vertical Transportation l. Finishes in General m. Flooring n. Windows o. Window Coverings p. Doors q. Furnishings & Acoustics	19.98
5. Alarms and Alerts a. Emerging Technologies b. Other Sensor Based Technologies	4.77
6. HVAC System Concerns	2.31
7. Electrical Concerns	3.75
8. Additional Thoughts	2.63
9. Conclusion & Resources	1.82
<i>Review: Flashcards 7</i>	5.00
<i>Review: Matching 3</i>	10.00
<i>Assessment 7</i>	5.00
<b>TOTAL</b>	<b>384.01</b>