



Course Summary Sheet: Wind Design with ASCE 7-10

Title	Wind Design with ASCE 7-10
Delivery Mode(s)	Instructor-Led Workshop (2 hours) Online Course (2 hours)
Direct URLs to Content	Instructor-Led Workshop Materials (AIA-WDAS02) Instructor-Led Workshop Materials (ICC-WDAS02) Online Course (ONL-WDAS02) *Note: The only difference between AIA and ICC instructor-led materials is found in the credit information at the beginning and end of the slide deck.
Course Description	This course is intended primarily for professional designers interested in the special requirements associated with wind loads. This course will cover wind terminology, structural connection requirements and parameters for wind design. It will also explore the changes made to the ASCE 7-10 and how to apply them.
Course Outline	• Lesson 1: Wind Terminology and Meteorological Concepts • Lesson 2: Structural Connection Requirements • Lesson 3: Fundamental Changes in the ASCE 7-10 • Lesson 4: Parameters for Determining Wind Pressures • Lesson 5: Simplified Wind Pressure Calculation Conditions • Lesson 6: Design Example: Simplified Procedures (2005 vs. 2010)
Learning Objectives	Upon completion of this course, you will be able to: • Describe basic wind terminology and meteorological concepts relevant to wind engineering and the effects of wind pressure on a building • Identify structural connection requirements specified in the governing IBC and IRC codes for wind design • Summarize the fundamental changes between ASCE 7-05 and ASCE 7-10 • Explain the parameters for calculating wind pressures on buildings in accordance with ASCE 7-10 • Explain conditions for when the simplified wind pressure calculation in ASCE 7-10 can be used • Compare the differences in simplified wind pressure calculation procedures between ASCE 7-05 and ASCE 7-10
Subject Matter Expert(s)	Bryan Wert, MS, PE, SECB
Credit Information	Instructor-Led: Credits: 0.2 IACET CEU, 2 LU/HSW, 0.2 ICC CEU Course Code: AIA-WDAS02 or ICC-WDAS02 AIA Course #: AIA-WDAS0217 ICC Course #: 12077 Online: Credits: 0.2 IACET CEU, 2 LU/HSW, 0.2 ICC CEU Course Code: ONL-WDAS02 AIA Course #: ONL-HWD00213 ICC Course #: 160

If you would like to schedule a class, please contact your branch training administrator, branch training manager, or the Home Office Training Department.