



Green Building/LEED Building Design & Construction Certification Preparation

Overview

LEED is leadership in energy and environmental Design Developed by the U.S. Green Building Council (USGBC), LEED provides building owners and operators a concise framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions. For professionals participating in the design and construction phases of high-performance, healthful, durable, affordable, and environmentally sound commercial, institutional, and high-rise residential buildings, the LEED AP Building Design +Construction (BD+C) exam is designed to measure your knowledge and skill in understanding the LEED Rating System and ability to facilitate the project certification process. This course helps participants understand and prepare for the LEED AP BD+C exam. Additionally, the course will provide a focused view on the new requirements for Designers and Contractors and will address the challenges that they face while executing LEED projects within the Middle East.

Course Objectives

This course will be an introduction to the concepts of sustainable, high performance green buildings, as well as methods for designing, constructing and evaluating them. The emphasis will be on reviewing the fundamentals of the LEED 2009 for New Construction and Major Renovations Rating System and the relevant LEED certification process as per LEED Version-4 requirements. Accordingly, the course will provide key preparatory information about the needed tools and technical expertise for taking both the LEED Green Associate exam (level 1) and the LEED AP (BD+C) specialty exam (level 2). Moreover, the course will provide project teams with the necessary procedures and technical tools for planning, designing and constructing LEED certified projects.





Who Should Attend?

All industry professionals seeking to work on green building projects and more particularly those seeking to become LEED AP BD+C professionals and/or work on LEED 2009 projects

Including:

- 1-Developers
- 2- Building Owners
- 3- Client Representatives
- 4- Architects
- 5- Engineers
- 6- Contractors
- 7- Consultants
- 8- Environmental, Health and Safety Managers
- 9- Sustainability Managers
- 10- Facility Managers.

LEED Green Associate Exam Preparation

Course Objectives

- 1- Learn and practice the three exam areas –
- 2- Recognition, Application, and Analysis
- 3- Identify the key components of the LEED Rating System
- 4- Prepare for the exam by focusing on key topics
- 5- Describe successful green building and LEED Strategies.

Course Outline

- 1- Introduction to green building
- 2- LEED and the LEED process
- 3- About USGBC and LEED
- 4- Location and Transportation
- 5- Sustainable sites
- 6- Water efficiency
- 7- Energy and the atmosphere
- 8- Materials and resources
- 9- Indoor environmental quality
- 10- Innovation in design
- 11- Regional priority credits
- 12- LEED Green Associate Exam tips
- 13-Tips on how to pass the LEED Green Associate Exam

Course hours :- 20 HRS

LEED AP (BD+C) Exam Preparation

Course Objectives

- 1- Learn and practice the three exam areas - recognition, Application, and Analysis
- 2- Identify the key components of the LEED BD+C Rating System
- 3- Prepare for the exam by focusing on key topics
- 4- Discuss the requirements and implementation strategies of each credit/prerequisite.

Course outline

- 1- Introduction to the LEED AP Building Design + Construction Exam
- 2- Location and Transportation
- 3- Sustainable Sites
- 4- Water Efficiency
- 5- Energy and Atmosphere
- 6- Materials and Resources
- 7- Indoor Environmental Quality
- 8- Innovation and the Integrative Process
- 9- Advance preview of LEED 2012

Course hours :- 32 HRS