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بروجاكس للتدريب والتطوير
Projacs Training and Development

LEED Green Associate GA Exam Preparation - Green Building Techniques

تقنيات المباني الخضراء والتصميم المستدام – التحضير
لاختبار LEED GA

29 September – 03 October 2019

Doha

A Member of:



PROJACS ACADEMY



ProjacsAcademy.com



Introduction

The built environment has a profound impact on our natural environment, economy, health, and productivity. Breakthroughs in building science, technology, and operations are now available to designers, builders, operators, and owners who want to build green and maximize both economic and environmental performance.

Through the LEED® green building certification program, the U.S. Green Building Council (USGBC) is transforming the built environment. The green building movement offers an unprecedented opportunity to respond to the most important challenges of our time, including global climate change, dependence on non sustainable and expensive sources of energy, and threats to human health. The work of innovative building professionals is a fundamental driving force in the green building moment. Such leadership is a critical component to achieving USGBC's mission of a sustainable built environment for all within a generation.

Objectives

By the end of this course practitioners shall learn to:

This course aims to meet the continuing education needs of professionals who are involved in the process of sitting in for the exam to become LEED Green Associates (LEED GA) in advance of becoming LEED Accredited professionals with specialty or for those who need further learning on the principals of LEED design. This program will also benefit government officials, architects, engineers and general public sectors who are interested in managing a LEED Certified Project on behalf of their organizations and who primarily act as owner representatives. On completion of the course, the learners will be able to:

1. Present a working definition of the LEED Green Associate body of knowledge
2. Understand the LEED GA requirements and LEED AP certification process
3. Understand the different categories of the LEED system
4. Acquire the necessary knowledge, tips and study hints to pass the exam.

Course Outline

- **Day 1: Overview & LEED GA Category 1**
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- [8:30 am – 10:00 am] Green Building Basics
- [10:00 am – 10:15 am] Break
- [10:15 am – 11:45am] Passive Design Strategies
- 11:45am – 12:00noon Q&A
- [12:00 noon – 12:45 pm] Lunch
- [12:45 pm – 2:15 pm] The LEED Application & Submission Process
- [2:15 pm – 2:30 pm] Q&A
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- **Day 2: LEED GA Categories (1, 2)**
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- [8:30 am – 10:00 am] Category 1: Sustainable Sites
- [10:00 am – 10:15 am] Break
- [10:15 am – 11:45 pm] Category 1: Sustainable Sites
- [11:45 am – 12:00 noon] Q&A
- [12:00 noon – 12:45 pm] Lunch
- [12:45 pm – 2:15pm] Category 2: Water Efficiency
- [2:15 pm – 2:30 pm] Q&A
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- **Day 3: LEED GA Categories (3, 4)**
- [8:30 am – 10:00 am] Category 3: Energy and Atmosphere
- [10:00 am – 10:15 am] Break
- [10:45 am – 12:15 pm] Category 3: Energy and Atmosphere
- [12:15 pm – 12:45 pm] Lunch
- [12:45 pm – 2:30pm] Category 4: Materials and Resources
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- **Day 4: LEED GA Categories (5, 6 & 7)**
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- [8:30 am – 10:00 am] Category 5: Indoor Environmental Quality
- [10:00 am – 10:15 am] Break
- [10:45 am – 12:15 pm] Category 5: Indoor Environmental Quality
- [12:15 pm – 12:45 pm] Lunch
- [12:45 pm – 2:30pm] Category 6 & 7: Innovation in Design and Regional Priority Credits
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- **Day 5: LEED GA Exam Simulation**
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- [8:30 am – 10:00 am] Credit Synergies and Exam Test taking tips
- [10:00 am – 10:15 am] Break
- [10:45 am – 12:15 pm] LEED GA Exam
- 12:30 – 1:30pm Course Wrap up
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Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation
- slides and handouts
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, and case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:

- Technical Session 08.30-10.00 am
- Coffee Break 10.00-10.15 am
- Technical Session 10.15-12.15 noon
- Coffee Break 12.15-12.45 pm

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- Technical Session 12.45-02.30 pm
- Course Ends 02.30 pm

Course Fees*

- **2,950USD**
**VAT is Excluded If Applicable*

مقدمة

البيئة المبنية لها تأثير عميق على بيئتنا الطبيعية، والاقتصاد، والصحة، والإنتاجية. فهناك تطور في علوم البناء، والتكنولوجيا، والعمليات المتاحة للمصممين والبنائين والمالكين الذين يريدون ابنىة خضراء و يرغبون في تطوير كل من الأداء الاقتصادي والبيئي. من خلال البرنامج الخضراء LEED® شهادة بناء، يقوم المجلس الأمريكي للمباني الخضراء (USGBC) بتحويل البيئة المبنية. ان عمليه التحول الى المباني الخضراء يوفر فرصة غير مسبوقة للرد على أهم التحديات في عصرنا، بما في ذلك تغير المناخ العالمي، والاعتماد على مصادر غير مستدامة ومكلفة من الطاقة، والأخطار التي تهدد صحة الإنسان.

أهداف البرنامج

في نهاية هذه الدورة المتدربين سوف يتمكن المتدربون من:

وتهدف هذه الدورة إلى تلبية احتياجات التعليم المستمر للمهنيين الذين يرغبون في اجتياز الامتحان لكي يحصلوا على شهادة LEED المعتمدة للمهنيين مع التخصص أو لأولئك الذين يحتاجون إلى مزيد من التعلم على مبادئ تصميم LEED. هذا البرنامج سوف يتقيد أيضا المسؤولين الحكوميين والمهندسين المعماريين والمهندسين القطاعات العامة الذين يرغبون في إدارة المشروع معتمد من LEED-انابة عن منظماتهم والذين يعملون في المقام الأول إلى ممثلي المالك بعد الانتهاء من الدورة، سوف تكون قادرة على المتعلمين :

- تقديم تعريف عملي ل LEED
- فهم متطلبات LEED GA وعملية التصديق LEED AP
- فهم فئات مختلفة من نظام LEED
- اكتساب المعرفة اللازمة، نصائح وتلميحات الدراسة لاجتياز الامتحان.