LEED for Existing Buildings: Operations + Maintenance On-line Study Course

DESCRIPTION:
Successfully prepare for the LEED AP for Existing Buildings: Operations + Maintenance (O+M) exam with this 2-month virtual classroom. Over an 8 week period, this study group covers the concepts and strategies of the LEED for Existing Buildings Operations & Maintenance Rating System. This course is intended for design, construction and real estate professionals, building owners, and anyone who wants to develop their knowledge in this area.

The course will prepare students to earn the LEED for Existing Buildings Operations & Maintenance Accredited Professional (LEED AP O+M) credential from the Green Building Certification Institute. This exam tests the knowledge and skills necessary to participate in the operation and maintenance of existing buildings that implement sustainable practices and reduce the environmental impact of a building over its functional life cycle.

Students examine case studies of LEED for Existing Buildings Operations & Maintenance certified building projects, concepts of integrated design, third-party verification and the LEED administration process.

COURSE OBJECTIVES:
- Demonstrate knowledge and skills necessary to participate in LEED for Existing Buildings Operations & Maintenance, implement sustainable practices and reduce the environmental impact of a building over its functional life cycle.
- Understand the relationships and synergies between LEED for Existing Buildings Operations & Maintenance credits
- Be able to explain the function of the integrated approach as it relates to LEED for Existing Buildings Operations & Maintenance
- Identify and explain the major policies and regulations that govern green building and they relate to LEED for Existing Buildings Operations & Maintenance
- Be able to describe the LEED for Existing Buildings Operations & Maintenance project certification process and identify the resources available to project teams.
- Be prepared to sit for the LEED for Existing Buildings Operations & Maintenance AP Exam from the Green Building Certification Institute.

COURSE OUTCOMES:
- Possess the information necessary to demonstrate knowledge and skills necessary to participate in LEED for Existing Buildings Operations & Maintenance, implement sustainable practices and reduce the environmental impact of a building over its functional life cycle.
- Understand the relationships and synergies between LEED for Existing Buildings Operations & Maintenance credits.
- Be able to explain the function of the integrated approach as it relates to LEED for Existing Buildings Operations & Maintenance.
- Have identified and explained the major policies and regulations that govern green building and they relate to LEED for Existing Buildings Operations & Maintenance.
• Have the knowledge necessary to describe the LEED for Existing Buildings Operations & Maintenance project certification process and identify the resources available to project teams.
• Be prepared to sit for the LEED for Existing Buildings Operations & Maintenance AP Exam from the Green Building Certification Institute.

HOW THE COURSE WORKS:
It is easy to participate in your online course. Shortly after you register, you will be provided with a web address to access your online classroom. You will be asked to set up an account and once this is completed you will have full access to the on-line classroom.

PARTICIPATE WHEN YOU WANT:
You can participate any time of day or evening. The online classroom is open 24 hours a day, 7 days a week. There are no live real-time requirements or meetings. You decide when you participate. For the best learning, participants should log into the course on 2-3 different days of the week.

AGENDA

Unit 1 - Introduction and Project Site Factors
• Development
• Green Management
• Climate Conditions

Unit 2 - Water Management
• Water Treatment
• Stormwater
• Irrigation Demand
• Chemical Management

Unit 3- Project Systems and Energy Impacts
• Energy Performance Policies
• Building Components
• On-Site Renewable Energy
• Third-Party Relationships
• Energy Performance Measurement
• Energy Trade-offs
• Sources
• Energy Uses
• Specialized Equipment Power Needs

Unit 4 - Acquisition, Installation and Management of Project Materials
• Building Reuse
• Rapidly Renewable Materials for Facilities Alterations and Additions
• Food Materials
• Material Acquisition
• Chemical Management Policy and Audit
• Environmental Management Plan

Unit 5 - Improvements to the Indoor Environment
• Minimum Ventilation Requirement
• Tobacco Smoke Control
• Air Quality
• Ventilation Effectiveness
• Indoor Air Quality
• Low-emitting Materials
• Indoor/Outdoor Chemical and Pollutant Control
• Lighting Controls
• Thermal Controls
• Views
• Types of Building Spaces

Unit 6 - Stakeholder Involvement in Innovation & Project Surroundings and Public Outreach
• Design Workshop/Charrette
• Ways to Earn Credit
• Education of Building Manager and Operations Staff
• Infrastructure
• Zoning Requirements
• Government Planning Agencies
• Public-Private Partnerships
• Traffic Studies
• Reduced Parking Methods
• ADA/Universal Access

Unit 7 - LEED Certification Process
• Tools
• Strategies
• Roadblocks
• Performance Period
• Minimum Program Requirements
• Reporting Energy and Water Data
• Anticipated LEED 2012 roll-out and changes

Unit 8 - Green Associate Exam Preparation
• Eligibility
• Costs
• Credential Maintenance
• Study Suggestions
• Review
• Practice Questions
• Scheduling
• Day of the Exam
• After the Exam

REQUIRED READING: O+M Reference Guide


This guide will provide you with detailed credit and prerequisite information. You’ll also gain access to resources, documentation guidance, standards and implementation information.

The O+M Reference Guide is available from the U.S. Green Building Council’s publication section of their website. The price ranges from $80 to $98 and varies depending upon your USGBC national
membership, added shipping costs and whether you would like a hard copy or .pdf version of the document.

**OPTIONAL READING: O+M Study Guide**

The O+M Study Guide is available for purchase from the U.S. Green Building Council’s publication section of their website. The price ranges from $35 to $43 and varies depending upon your USGBC national membership, added shipping costs and whether you would like a hard copy or .pdf version of the document. This book will support you in your preparation for the LEED AP O+M Exam but is considered Optional Reading because the content of this course covers the content of the publication.

The O+M Study Guide and the O+M Reference Guide are available as a study bundle for purchase from the U.S. Green Building Council's publications section of their website. The price ranges from $110 to $135 and varies depending upon your USGBC national membership, added shipping costs and whether you would like a hard copy or .pdf version of the document.

**COST:**
Two month online course, $799 plus tax.

**CONTACT:**
For more information on content of this course, contact the CaGBC at education@cagbc.org or 1-866-941-1184 ext 1023