Comprehensive Training to Pass the LEED AP BD+C Exam and Lead in Sustainable Building Design

15 – 19 August 2027
Bali

AGILE LEADERS
Training Center

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Ref: 103600405_102433 **Date:** 15 – 19 August 2027 **Location:** Bali **Fees:** 6500 Euro

Overview

Achieving advanced green building credentials demands thorough technical competence across project life cycles, building systems integration, and environmental rating criteria. This course prepares construction professionals and design specialists for the LEED AP BD+C exam by breaking down core credit categories, compliance documentation methods, and sustainable building design methodologies. Participants analyze complex building performance metrics, explore cross-category synergies, and review practical mock examination scenarios. This course is delivered by Agile Leaders Training Center.

Who Should Attend

- Architects and structural engineers managing sustainable design specifications
- Sustainability advisors and environmental compliance consultants
- Project managers directing commercial and institutional green construction projects
- Facilities directors and property developers implementing efficiency standards
- Technical professionals preparing for the LEED AP BD+C exam

Departments and Industries

This programme serves capital projects, technical design, and environmental management professionals across several industries.

- Architecture, Engineering, and Construction AEC Practices
- Commercial Real Estate and Property Development Firms
- Corporate Environmental, Social, and Governance ESG Units
- Institutional Campus Planning and Facilities Management Departments
- Specialized Green Building and Energy Advisory Consultancies

Learning Objectives

By the end of this course, participants will be able to:

- Apply technical prerequisites and credit criteria required for the LEED AP BD+C exam.
- Evaluate integrative design strategies to maximize environmental performance across building systems.
- Calculate baseline and design case reductions for water efficiency prerequisites and credits.
- Assess building envelope and HVAC configurations to satisfy energy performance baselines.
- Formulate construction waste diversion plans and responsible materials sourcing schedules.
- Analyze indoor environmental quality measures to protect occupant health and thermal comfort.

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Course Agenda

Day 1: Integrative Process and Project Foundations

- Structure of the LEED AP BD+C rating system and credentialing framework
- Integrative project delivery principles and interdisciplinary team coordination
- Site assessment protocols evaluating topography, hydrology, and solar exposure
- Credit calculation methodologies and rating thresholds across project typologies
- Documentation workflows and verification standards for credit compliance
- Practical diagnostic quiz on fundamental rating system principles

Day 2: Location, Transportation, and Sustainable Sites

- Sensitive land protection and high-priority site redevelopment requirements
- Surrounding density and diverse uses evaluation techniques
- Access to quality transit and bicycle facilities documentation criteria
- Rainwater management design calculations using green infrastructure techniques
- Heat island reduction strategies for roof and non-roof surfaces
- Site management planning exercises and practice scenario reviews

Day 3: Water Efficiency and Energy Performance

- Outdoor water use reduction thresholds and landscape water requirement calculations
- Indoor water use reduction baselines and fixture efficiency schedules
- Water metering requirements and subsystem tracking configurations
- Minimum energy performance verification and energy modeling techniques
- Enhanced commissioning protocols and envelope leakage testing guidelines
- Renewable energy integration, demand management, and grid harmonization

Day 4: Materials, Resources, and Environmental Quality

- Building life-cycle impact reduction and historic structure reuse strategies
- Environmental product declarations and responsible material sourcing criteria
- Construction and demolition waste management planning and diversion tracking
- Enhanced indoor air quality strategies and ventilation design requirements
- Thermal comfort parameters, interior lighting quality, and daylight modeling
- Acoustic performance thresholds and low-emitting material evaluation

Day 5: Innovation, Regional Priority, and Exam Readiness

- Innovation credit pathways and exemplary performance thresholds
- Regional priority credit geographic mapping and project qualification
- Question interpretation strategies and time management techniques
- Detailed review of scenario-based technical questions and calculations
- Structured mock assessment simulation with instructor-led review
- Credential maintenance guidelines and continuing education reporting

Practical Exercises

Participants complete structured individual and group activities to reinforce credit comprehension.

- Activity: Calculate indoor water use reduction percentages using fixture baseline data.
- Activity: Review a building energy modeling output report to determine credit eligibility.
- Activity: Develop a compliant construction and demolition waste diversion tracking matrix.
- Activity: Solve time-controlled scenario questions simulating actual exam conditions.

FAQs

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

No formal prerequisites are required to participate. However, candidates benefit from holding the LEED Green Associate credential or possessing foundational knowledge of green building practices prior to attending.

How long is each day's session, and is there a total number of hours required for the entire course?

Each day consists of four to five hours of structured instructional delivery, guided exercises, and review sessions. The full programme comprises 20 to 25 hours of focused training over five consecutive days.

Is the LEED AP BD+C exam more focused on technical knowledge or application-based problem solving?

The examination evaluates both detailed technical understanding and scenario-based problem solving. Candidates must interpret complex project conditions, calculate credit metrics, and apply rating criteria correctly under time constraints.

Conclusion

Professional accreditation demonstrates verified technical competence in sustainable building design and high-performance project execution. By mastering credit thresholds, calculation methodologies, and documentation protocols, candidates gain the knowledge required to pursue credentialing and direct green building initiatives across the built environment.