



Program Title: Biomimicry: Let Nature Be Your Lead

Provider Name: Rockfon

Length: 1 Hour

Credits: 1 LU|HSW, 1 GCBI CE

Program Overview:

Nature has spent 3.8 billion years refining solutions to challenges related to resilience, efficiency, adaptation, communication, resource management, and sustainability. Biomimicry is the practice of learning from and emulating nature's forms, processes, and systems to create innovative, high-performing design solutions.

This course explores the distinction between biophilia and biomimicry and introduces the foundational principles that enable designers to use nature as a model, measure, and mentor. Participants will examine Life's Six Principles and discover how biological strategies inspire advancements in architecture, building materials, acoustics, durability, circularity, and occupant well-being. Through real-world case studies and examples from the built environment, attendees will learn how biomimetic thinking can inform more resilient, efficient, and human-centered design solutions while supporting long-term environmental stewardship.

Learning Objectives:

- Differentiate between biophilia, biophilic design, bioutilization, and biomimicry and identify how each approach influences the built environment.
- Describe the core concepts of biomimicry, including the emulation of natural forms, processes, and systems, and explain how nature serves as a model for innovative design solutions.
- Analyze Life's Six Principles and evaluate how these nature-inspired strategies can be applied to improve resource efficiency, resilience, adaptability, and sustainability in architectural design.
- Assess biomimetic case studies and building material applications that demonstrate improved performance in areas such as acoustics, durability, circularity, occupant comfort, and environmental responsibility.
- Apply biomimetic design thinking to current and future projects by identifying opportunities to incorporate nature-inspired strategies that support human health, environmental performance, and long-term building resilience.

Facilitator Qualifications:

- All Rockfon CES facilitators have been trained on CES guidelines and presentation skills.

Method of Delivery:

- The CES facilitator utilizes a PowerPoint presentation.

Audio/Visual Required:

- Laptop and projector or TV with HDMI connection. (The CES facilitator supplies the laptop unless other arrangements have been made before the day of the presentation.) Virtual presentations offered as well.

Cost to Participants:

- There is no cost to bring this program into your firm or chapter meeting.

Target Audience:

- Architects, Interior Designers, Specifiers, Owners, Contractors, and other Design Professionals. Ideal audience can be 1 to over 100. This program meets every experience level with time designed in the program for questions and answers.