



Achieving a 4.0 for Sustainability in Higher Education

CEU Credits: HSW AIA 1, HSW IDCEC 0.1, and USGBC/GBCI 1

This course assesses modern needs for higher education institutions to bring flexibility into a continuously transforming segment. Sustainability is at the forefront of higher institutional change; initiatives are made to not only reduce operating costs, but work to also attract and retain talent. The course will assert different sustainable techniques that apply to design and architecture in higher education spaces, as well as highlight major green building certification platforms that are creating specific paths for buildings to achieve their optimum potential. Topics covered include design addressing institutional needs, importance of materials, green building techniques, and various case studies.

Biophilic Design

CEU Credits: HSW AIA 1, HSW IDCEC 0.1, and USGBC/GBCI 1

This course discusses Biophilia, “humankind’s innate biological connection with nature” and the theory that as humans we have an inherent need to affiliate with the world around us. The course examines the theory of biophilic design, along with its benefits and the types of effects it creates. It also addresses the 14 Patterns of Biophilic Design and how those patterns are incorporated into products and architectural design. Additionally, the course provides case studies highlighting how biophilic design has an economic and statistical impact on our society.

Handprints Over Footprints: Combining Social Impact with Environmental Stewardship

CEU Credits: HSW AIA 1, HSW IDCEC 0.1, and USGBC/GBCI 1

This CEU introduces the concept of Handprinting, and its increasing importance in the transformational movement of regenerative sustainability. The presentation will provide an overview of footprints and handprints, and the key differentiators of the concepts. It will be covering how and why sustainability cannot be truly achievable without social equity. The content will be covering how various green building and product certifications such as Living Building Challenge, LEED v4.1, the WELL Building Standard, Living Product Challenge and others are addressing social equity and exploring different pathways for organizations to implement these.

The Living Building Challenge 4.0: A Visionary Path to a Regenerative Future

CEU Credits: HSW AIA 1.5, HSW IDCEC 0.15, and USGBC/GBCI 1.5

This course introduces the philosophy, performance standards and certification process of the Living Building Challenge, a truly transformative approach to design and construction, which is a global program of the International Living Future Institute. The LBC standard is explained by discussing the requirements for renovation, landscape or infrastructure, buildings or neighborhoods. Seven performance areas are addressed: site, water, energy, health, materials, equity and beauty. Project parameters for performance are highlighted in 20 imperatives that project teams must address.



The Material World: Beyond Transparency – Let Us Dig Deeper CEU **Credits: HSW AIA 1, HSW IDCEC 0.1, and USGBC/GBCI 1**

This CEU explains the concept of materials transparency, why it's important and the various methods that can be used to quantify a product's ingredients. This CEU also discusses how various standards and organizations are including material transparency in their requirements, such as the Living Building Challenge, LEED v4.1 BD+C, the WELLv2 Building Standard and others. Specific documentation about product ingredients and sourcing is also covered, i.e., the Red List, Environmental Product Declarations, the documentation process for materials transparency.

The Path to the Living Product Challenge: A Visionary Path to a Regenerative Future

CEU Credits: HSW AIA 1, HSW IDCEC 0.1, and USGBC/GBCI 1

This course introduces the philosophy, performance standards and certification process of the Living Product Challenge, which is a global program of the International Living Future Institute. Living Product Challenge provides a framework for manufacturers to re-imagine design and construction of products to function as elegantly and efficiently as anything found in the natural world. This CEU addresses requirements for the petals: place, water, energy, health and happiness, materials, equity and beauty. These Petals include imperatives that must be met to become a Living Product. Several case studies of living products are provided explaining how the products achieved specific petals and imperatives.