

Detailed Course Itinerary (10 hours):**LEED AP Building Design and Construction Overview and Process**

- When to use the LEED for Building Design + Construction rating system
- How to monitor use LEED forms and certify a building starting with registration
- How to create and implement effective facility policies to ensure operations cost remain low
- The tools and standards incorporated into LEED and how to comply with/exceed their requirements

Integrative Process

- How to utilize your team and the tools at hand to make decisions early on in the project
- Save money and time by minimizes construction delays through proper design decisions

Location and Transportation

- How to reduce your building's impact on the environment due to automobile dependence
- Incorporating your building with existing infrastructure and public transportation
- Where to build the project in order to reduce its environmental impact and halt urban sprawl
- How to select the correct project site to maximize LEED points and mitigate environmental impact

Sustainable Sites

- The benefits of open space on your project site and having occupants interact with said space
- Reduction of storm water runoff and curbing the heat island affect to reduce cooling loads
- How to reduce light pollution to minimize energy loss and off-site disturbances

Water Efficiency

- How to reduce potable water consumption by installing low flow fixtures and reusing water
- The benefits of properly monitoring your water consumption and possible incentives
- How to reduce potable water use for irrigation and treat waste water on site

Energy and Atmosphere

- Using building modeling software and on-going metering to estimate and record energy usage
- How to reduce energy losses from the building and how to source energy from on/off-site renewables
- The necessity of building commissioning and refrigerant management for LEED

Materials and Resources

- How to reduce construction demolition waste and allow for occupant recycling when occupied
- LEED's Building product disclosure and optimization unique approach for material selection
- The function of Environmental Product Declarations and benefits of local materials

Indoor Environmental Quality

- How to reduce indoor air pollution to increase occupant comfort, health and productivity
- How points are awarded for lighting and thermal control and comfort
- How to incorporate daylight and views to positively contribute to the indoor environmental quality

Innovation in Design and Regional Priority

- How LEED rewards sustainable strategies which are out of the scope of LEED
- How to receive exemplary performance points for exceeding existing credit requirements
- How LEED rewards points for satisfying credits of utmost importance to specific regions

Exam registration, materials overview and Exam taking tricks

- How to self-study for the exam and the exact procedure to ensure the highest passing rate
- How to register with the USGBC and find the best location to take the exam
- How to use the most effective strategy during the exam