



INDOOR ENVIRONMENTAL QUALITY - GREEN BUILDING TECHNOLOGY TRAINING PROGRAM
FOR GREEN BUILDING AND SUSTAINABILITY SPECIALISTS
KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP
GREEN BUILDING SPECIALIST CURRICULUM





INTRODUCTION AND COURSE OUTLINE
FOR GREEN BUILDING AND SUSTAINABILITY SPECIALIST
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ONLINE TRAINING PROGRAM

INDOOR ENVIRONMENTAL QUALITY GREEN BUILDING TECHNOLOGY

GREEN BUILDING SPECIALIST

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LEARNING OBJECTIVES



Know the benefits of looking at the project site as a whole

Include local and regional ecosystems in the project.

Recognize how different credits work together.

Know how credit requirements lead to better buildings and a change in the market.

Explore the LEED v4.1 Indoor Environmental Quality credits, which are related to the environment surrounding the building.



WHO SHOULD ATTEND

Individuals seeking a greater understanding of Indoor Environmental Quality Prerequisite ,credits and implementation criteria

Indoor Environmental Quality Implementing prerequisites and credit for Green Buildings seeking LEED Certification

Explore the LEED v4 Indoor Environmental Quality credits, which are related to the environment surrounding the building and emphasize the importance of local ecosystems and holistically integrating the site with its surroundings.

The program will address each prerequisite and credit on a credit-by-credit basis, including technical prerequisites and effective tactics for attaining them.

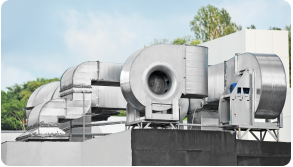


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INDOOR ENVIRONMENTAL QUALITY -
GREEN BUILDING TECHNOLOGY AND
ENROL NOW!**





INDOOR ENVIRONMENTAL QUALITY



The Indoor Environmental Quality (IEQ) category rewards decisions made by project teams about indoor air quality and thermal, visual, and acoustic comfort. Green buildings with good indoor environmental quality protect the health and comfort of building occupants. High-quality indoor environments also enhance productivity, decrease absenteeism, improve the building's value, and reduce liability for building designers and owners. 1 This category addresses the myriad design strategies and environmental factors—air quality, lighting quality, acoustic design, control over one's surroundings—that influence the way people learn, work, and live



CRITERIA IN THIS CATEGORY

IEQ PR MINIMUM INDOOR AIR QUALITY PERFORMANCE

IEQ PR ENVIRONMENTAL TOBACCO SMOKE CONTROL

IEQ CR ENHANCED INDOOR AIR QUALITY STRATEGIES

IEQ CR LOW-EMITTING MATERIALS

IEQ CR CONSTRUCTION INDOOR AIR QUALITY MANAGEMENT PLAN

IEQ CR INDOOR AIR QUALITY ASSESSMENT / THERMAL COMFORT

IEQ CR INTERIOR LIGHTING / DAYLIGHT / QUALITY VIEWS / ACOUSTIC PERFORMANCE



MAXIMUM POSSIBLE CREDITS : 2 P / 16 C

WHAT IS INDOOR ENVIRONMENTAL QUALITY?



Indoor Environmental Quality (IEQ) refers to the circumstances within a structure, including air quality, lighting, thermal conditions, and ergonomics, as well as their effects on inhabitants or residents. Strategies for addressing IEQ include those that preserve human health, enhance quality of life, and decrease stress and the likelihood of injuries.

Better indoor environmental quality can improve the lives of building tenants, boost the building's market value, and lessen building owners' liability.

WHY IS THIS IMPORTANT FOR BUILDINGS?



Since the people costs of salary and benefits often exceed the running costs of an office building, strategies that improve the health and productivity of employees over the long term can yield a high rate of return.

Typical IEQ objectives include providing inhabitants with interesting and comfortable settings and lowering the risk of building-related health concerns.

To create their buildings places where people feel good and perform well, project teams must strike a balance between selecting techniques that encourage efficiency and conservation and addressing the needs of inhabitants and promoting their well-being.

Ideally, the selected tactics accomplish both objectives: solutions that preserve energy, water, and materials should also contribute to an enjoyable interior environment.

SOURCES OF INDOOR AIR CONTAMINANTS

- ☑ People smoking tobacco inside the building or near building entrances or air uptakes
- ☑ Building materials such as paints, coatings, adhesives, sealants, and furniture that may emit volatile organic compounds (VOCs), substances that vaporize at room temperature and can cause health problems
- ☑ Combustion processes in HVAC equipment, fireplaces and stoves, and vehicles in garages or near entrances
- ☑ Mold resulting from moisture in building materials
- ☑ Cleaning materials
- ☑ Radon or methane off-gassing from the soil underneath the building
- ☑ Pollutants from specific processes used in laboratories, hospitals, and factories
- ☑ Occupants' respiration, which increases carbon dioxide levels and may introduce germs

STRATEGIES IMPROVING OCCUPANTS' COMFORT AND CONTROL

- ☑ Use daylighting.
- ☑ Install operable windows.
- ☑ Give occupants temperature and ventilation control.
- ☑ Give occupants lighting control.
- ☑ Conduct occupant surveys.
- ☑ Provide ergonomic furniture.
- ☑ Include appropriate acoustic design.

BEYOND
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