



## Course Description

High-Performance Sustainable Building Principles provides a comprehensive overview of high-performance sustainable buildings and exposes you to the critical components of sustainability where building systems and the ecosystem intersect. As an industry professional, you will gain insight into understanding and tackling building performance issues that impact local environmental issues and global climate change; integrating high-performance building standards and guidelines; identifying and overcoming the hurdles to achieving true high-performance; and attaining top-to-bottom organizational buy-in for sustainable building initiatives.

Topics include:

- Definition of sustainability in the built environment
- Justifications for high-performance initiatives
- Market dynamics
- Resource management concepts
- Benchmarking value and standards for design review
- Building interiors and enclosure overviews
- Integrated systems and commissioning concepts
- Water and wastewater system considerations
- Renovation and tenant improvement guidelines
- Sustainable contracting and vendor management principles
- Transportation
- Engagement (communications and marketing)
- Finance/portfolio considerations

## Course Objectives

Upon successful completion of this course, learners will be able to:

- Understand and tackle building performance issues that impact local environmental issues and global climate change
- Integrate high-performance building standards and guidelines
- Identify and overcome the hurdles to achieving true high-performance
- Attain top-to-bottom organizational buy-in for sustainable building initiatives

## Required Reading

High-Performance Sustainable Building Principles, Revised 2019

## Property & Facilities Management Courses

### Asset Management

- Strategic planning, investing, and operating
- Property acquisition and disposition

APPLY THIS COURSE: PMFP, RPA, & FMA

### Budgeting and Accounting

- Creating/managing budgets
- Compiling lease abstracts and preparing rent rolls

APPLY THIS COURSE: PAC, PMFP, & RPA

### The Design, Operation, & Maintenance of Building Systems, Part I

- Building design and construction basics
- Managing/operating cost-effective building systems

APPLY THIS COURSE: PAC, FMC, RPA, & FMA

### The Design, Operation, & Maintenance of Building Systems, Part II

- Proper building/facility maintenance techniques
- Increasing occupant safety and comfort

APPLY THIS COURSE: PAC, FMC, RPA, & FMA

### Environmental Health and Safety Issues

- Regulatory overview, audits, and legal issues
- OSHA and EPA regulations

APPLY THIS COURSE: RPA, FMA, & SMA

### Ethics Is Good Business® ShortCourse™

- Conflict management
- Proper record keeping and fund usage

APPLY THIS COURSE: RPA & FMA

### Facilities Planning and Project Management

- Specifications for facilities performance
- Design development and review

APPLY THIS COURSE: FMA

### Fundamentals of Facilities Management

- Managing the many duties of a facilities manager
- Principles of information management

APPLY THIS COURSE: FMC & FMA

### High-Performance Sustainable Building Practices

- Implementing high-performance sustainable initiatives
- Sustainable building interior and exterior practices

APPLY THIS COURSE: BOMI-HP

### High-Performance Sustainable Building Principles

- Sustainability in the built environment
- Justifying high-performance initiatives

APPLY THIS COURSE: BOMI-HP

### High-Performance Sustainable Building Investments

- Cap-ex finance and portfolio management
- Advanced commissioning and technologies

APPLY THIS COURSE: BOMI-HP

### Leasing and Marketing for Property Managers

- Market analysis, survey conditions, and planning
- Ownership, investments, and tenant satisfaction

APPLY THIS COURSE: RPA

### Managing the Organization

- Effective decision making and problem solving
- Improving team communication and motivation

APPLY THIS COURSE: RPA, FMA, & SMA

### Real Estate Investment and Finance

- Asset valuation, appraisal, and enhancement
- Measuring cash flow and life-cycle costs

APPLY THIS COURSE: PMFP, RPA, & FMA

### Law and Risk Management

- Properly addressing legal and risk management issues
- Torts, contracts, and property rights

APPLY THIS COURSE: RPA

### COURSE LENGTH AND COST

Courses range from 24-30 hours. The total duration and cost depends on the course delivery option(s) chosen and if a course is taken individually or as part of a program.

### COURSE EXAMS

To apply a course toward a BOMI International program, students must pass an exam with a 70% or higher at the end of the course. Exams are administered via computer at a Pearson VUE testing center.\*\*

### COURSE DELIVERY OPTIONS

BOMI International offers the following study methods:

- Online Self-Paced (self-paced course)
- Accelerated Review (3 or 4-day course)
- Instructor-Led Online (15-week course)
- Self-Study (self-paced course)
- Semester-Length Classroom (varies per course)
- Corporate Onsite Instruction (varies per client)

For more details on Course Delivery Options visit:

[www.bomi.org/CourseDeliveryOptions.aspx](http://www.bomi.org/CourseDeliveryOptions.aspx)

\* Only a few key topic areas (concepts) are listed for each course. Full course descriptions are available online at [www.bomi.org](http://www.bomi.org).

\*\* Ethics Is Good Business ShortCourse is the only exam not administered at a testing center. More details are provided at the time of registration.

## Systems Maintenance & Management Courses

### Air Handling, Water Treatment, and Plumbing Systems

- HVAC, fire protection, and alarm systems
- Air cleaning devices and indoor air quality (IAQ)

APPLY THIS COURSE: BEC, SMC, SMT, & SMA

### Boilers, Heating Systems, and Applied Mathematics

- Inner workings of boilers, burners, controls, etc.
- Mechanical components of heating systems

APPLY THIS COURSE: SMC, SMT, & SMA

### Building Design and Maintenance

- Building foundation materials and systems
- Grounds maintenance and inspection

APPLY THIS COURSE: SMA

### Electrical Systems and Illumination

- Electrical safety, operation, and maintenance
- Different sources of electricity

APPLY THIS COURSE: BEC, SMT & SMA

### Energy Management and Controls

- Control system applications
- Determining energy consumption

APPLY THIS COURSE: BEC, SMC, SMT, & SMA

### Refrigeration Systems and Accessories

- Refrigeration cycles and principles
- Mechanical components of refrigeration systems

APPLY THIS COURSE: SMC, SMT, & SMA