

Green/Renewable Energy Courses — These certificate programs will help you learn the skills you need to excel in the growing environmental compliance industry. Then, if you choose, you can take this knowledge and advance to professional certification by sitting for formal examinations through certifying agencies.

For more information and for a full listing of all available classes, visit:  
<http://www.theknowledgebase.org/ccwa/>

## **PROTRAIN Intro to Building Energy Efficiency**

This course provides you with the knowledge and skills needed to run a more energy efficient and safe building. Introductory course covers topics such as: Building Science, Building Shell, Heating and Cooling, Energy Usage and Energy Auditing. Downloadable 30 page handbook.

**Course Contact/Clock Hours - 35 hrs.**  
**Fee: \$395**  
**30 day course - Instructor Supported**  
[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)

## **PROTRAIN Building / Home Energy Analyst (HERS)**

The Building Analyst and HERS Rater course is based upon a broad building science curriculum. It presents a solid scientific foundation upon which inspectors and auditors can build an accurate understanding of modern buildings. Each topic includes an overview of the technology, examples of typical installations and their defects, procedures for performing audits, and guidelines for analyzing potential retrofits. A balanced approach to building performance is presented here that addresses energy efficiency, building durability, and human health. The information presented here covers the topic areas included in the BPI Building Certification Model, the RESNET Home Energy Rating Standards, and the WAP Core Competencies. Students who complete the course will possess the skills needed to sit for the BPI and RESNET exams.

**Course Contact/Clock Hours - 50 hrs.**  
**Fee: \$695**  
**7 week course - Instructor Supported**  
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## **PROTRAIN Certified Indoor Air Quality Manager (CIAQM)**

Are you a facility manager, building engineer or property owner who is interested in how indoor air quality (IAQ) affects the occupants of your space? The Certified Indoor Air Quality Manager (CIAQM) course is designed to help you diagnose indoor environmental problems in your building, correct those problems, and prevent them from ever happening again. The course gives you practical steps to establish an IAQ Management Plan for your facility that will help you collect, log and resolve air quality complaints. The course also prepares you for the only accredited certification specifically designed for those that manage indoor air quality problems, sponsored by the American IAQ Council. The certification requires certain experience, fees and passing an examination offered at computerized testing centers throughout the US.

**Course Contact/Clock Hours - 28 hrs.**  
**Fee: \$800**  
**3 month access - Instructor Supported**  
[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)

## **PROTRAIN Certified Indoor Environmentalist (CIE)**

The Certified Indoor Environmentalist Course Online is an in-depth program teaching you the core skills needed to perform indoor environmental assessments of all building types. The course not only provides the fundamentals of indoor air quality, it teaches more advanced topics that will educate even seasoned veterans in the field.

**Course Contact/Clock Hours - 32 hrs.**  
**Fee: \$1,000**  
**3 month access - Instructor Supported**  
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## **PROTRAIN Certified Microbial Investigator (CMI)**

Take your HVAC or mold inspection services to a new level by learning the latest advances in the industry and while you're at it, getting the industry's most recognized microbial certifications, Council-certified Microbial Investigator (CMI) and Council-certified Microbial Consultant (CMC). We'll teach you the core skills needed to perform impressive assessments that will set you apart from the competition.

**Course Contact/Clock Hours - 28 hrs.**  
**Fee: \$800**  
**3 month access - Instructor Supported**  
[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)

## **PROTRAIN Fundamentals of Mold Inspection**

The Fundamentals of Mold Inspection is a course for anyone wanting to learn the core skills needed to evaluate homes and buildings for mold. You will first learn about basic microbiology, causes of mold growth, different categories of mold and their health effects. The course also trains students on how to perform a thorough mold inspection using a 5-step process. You will also learn the when, where, why and how to take mold samples and interpret the results.

**Course Contact/Clock Hours - 8 hrs.**  
**Fee: \$425**  
**3 month access - Instructor Supported**  
[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)

## **PROTRAIN Fundamentals of Solar Hot Water Heating**

This online course concentrates on the basics of installing code compliant solar hot water systems. This course will be useful for people who currently work in or plan to be employed in the solar hot water industry. Student technicians will learn practical design criteria, installation guidelines, safety issues, maintenance, and legal considerations of solar hot water heating systems.

**Course Contact/Clock Hours - 60 hrs.**  
**Fee: \$695**  
**11 week course - Instructor Supported**  
[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)



### **PROTRAIN      Green Building Technical Professional**

This course provides you the tools needed to determine a Green Project. Discover what the future may hold for a Green Lifestyle. This track is designed specifically for those individuals who are involved in the nuts and bolts of green building. Engineers, architects, builders, and those that would like to have a more in-depth approach to green building. Topics covered: Intro Green Building, Environmental Quality, Resource Efficiency Advantages, Sustainable Preventative Maintenance and Advanced Green Technologies.

**Course Contact/Clock Hours - 40 hrs.**

**Fee: \$395**

**6 month access - Instructor Supported**

**[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)**

### **PROTRAIN      Weatherization Energy Auditor**

This course is tailored specifically for the Department of Energy's (DOE) Weatherization Program and similar utility-funded programs. This course is based on the "Core Competencies for the Weatherization Assistance Program" developed by the Weatherization Trainers Consortium. The curriculum elements are specifically designed to train technicians involved in the field of building performance and energy efficiency by offering distance learning courses that are suited for continuing education, test preparation, and career enhancement. The course is also compliant with the BPI Energy Analyst Standards.

**Course Contact/Clock Hours - 50 hrs.**

**Fee: \$695**

**7 week course - Instructor Supported**

**[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)**

### **PROTRAIN      Indoor Air Quality - Fundamentals of ASHRAE Standard 62.1**

Properly designed ventilation systems are essential for the well-being of building occupants, to minimize adverse health effects and improve productivity of workers and students. Standard 62.1, Ventilation and Acceptable Indoor Air Quality, is the industry standard for the design and operation of ventilation systems to provide acceptable indoor air quality.

**Course Contact/Clock Hours - 29 hrs.**

**Fee: \$395**

**12 month access - Self-paced**

**[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)**

### **PROTRAIN      LEED Green Associate**

For professionals who want to demonstrate green building expertise in non-technical fields of practice, GBCI has created the LEED Green Associate credential, which denotes basic knowledge of green design, construction, and operations. The Green Associate credential also serves as the first step for the professionals pursuing a LEED AP specialization. The New Tier I credential attests to demonstrated knowledge and skill in understanding and supporting green design, construction, and operations. Exam simulation prep included

**Course Contact/Clock Hours - 8 hrs.**

**Fee: \$225**

**2 month access - Self-paced**

**[www.theknowledgebase.org/ccwa](http://www.theknowledgebase.org/ccwa)**

### **PROTRAIN      LEED for New Construction v2.2 Exam Prep**

The LEED (Leadership in Energy and Environmental Design) Green Building Rating System® is a voluntary, consensus-based national standard for developing high performance, sustainable buildings. "Building green" can have environmental, economic, and health and safety benefits. LEED accreditation can be a powerful marketing and business development tool for all professionals in the building industry. This 7-hour intensive online course is for professionals looking to learn about LEED and take the LEED Accredited Professional Exam. The course will cover the six categories of the LEED for New Construction 2.2 rating system, from Sustainable Sites to Innovation and Design Processes. Participants will receive training on the integrated project management and documentation processes that are fundamental to the LEED program and will learn tips for working as LEED Accredited Professionals in the field. The training series will conclude with an overview of recommended study methods, exam-taking skills and practice questions for the LEED for New Construction v2.2 accreditation exam. By completing this course, taking practice tests, and studying the reference guide, you will be prepared to take the LEED exam. Not only will you learn what to study, you will learn why you need to know about the material in order to work on LEED projects.

**Course Contact/Clock Hours - 7 hrs.**

**Fee: \$275**

**1 month access - Self-paced**

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