

Green/Renewable Energy Training

Carbon Strategies

This course provides an overview of the World Resources Institute (WRI) Greenhouse Gas Protocol Initiative and describes various components of a climate-related strategy. It will summarize assessing emissions and exposure to climate related risks, evaluating action options, setting goals and targets

Green Purchasing Fundamentals

Organizational purchasing has evolved tremendously over the last decade shifting from an administrative function to a strategic role. What are world class purchasing departments doing to help their organizations become more sustainable? Green Purchasing Fundamentals introduces foundational concepts that align with systems, policies, and procedures that support green purchasing practices and organization sustainability.

Sustainability 101

Sustainability resides within three foundational pillars of society: economic, social, and environment. Our Sustainability 101 & CSR Essentials course establishes a common framework for employees at various levels and roles of the organization, while bringing together a global set of lenses to look through. It's easy for people in organizations to move in the same direction when everyone understands the same need and information. This course is *essential* for everyone in the organization.

Certified Sustainability Professional

Our CSP certification program is designed to give our graduates a great balance of core sustainability topics to enable them to stand out individually or to step into a sustainability leadership role with confidence. **5 Courses Included in this Program:** •Green Purchasing Fundamentals •Sustainability 101: Corporate Social Responsibility Essentials •Carbon Strategies •Sustainability Leader: Your First 180-days to Success •Environmental Management System (EMS) & ISO 14001

Green Supply Chain Professional GSCP

Our GSCP certification program is designed to give our graduates a comprehensive knowledge of the sustainability areas confronting supply chain and operations professionals. This program will provide the graduate with very unique credentials and experience. **5 Courses** Included in this Program: •Green Purchasing Fundamentals •Sustainability 101: Corporate Social Responsibility Essentials •Green Transportation: 12 Best Practices •Green Warehouse Strategies •Green Supply Chain Management

Senior Certified Sustainability Professional

Our SCSP certification program is designed to give our graduates a comprehensive knowledge of sustainability across multiple functional areas along with a balance of internal and external knowledge of sustainability leadership and consultancy. **10 Courses Included in this Program:** •Green Purchasing Fundamentals •Sustainability 101: Corporate Social Responsibility Essentials •Carbon Strategies •Sustainability Leader: Your First 180-days to Success •Green Transportation: 12 Best Practices •Green Marketing & Sales Force Essentials •Green Packaging •The Sustainability Consultant •Advanced Green Purchasing •Environmental Accounting 101.

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NCTC Online Learning Academy Green Catalog

NCTC is your solution for
"Green" online training!

Green is perhaps one of the most talked about new buzz words across business and industry today. Contractors, installers, business and industry are all starting to get smart about Green technologies and practices.

Choose from one of our many Green Online Programs to make sure you stay competitive in this new economy and do your part to **"Go Green."**



To see more info and complete course descriptions go to:

<http://www.theknowledgebase.org/nctc/courses-trade-industrial.php>

Or Call Toll Free 1 866 253-3884

Green/Renewable Energy Training

Photovoltaic System Design & Installation

This online course will provide the student technician with the fundamental knowledge of photovoltaic system design and installation. This course will be suitable for a supervised, entry-level position with a dealer/installer or other photovoltaic industry company. Student technicians will learn the practical design criteria, installation guidelines, safety issues, maintenance, and legal considerations of photovoltaic systems. Start Dates: Jan 5th – Apr 20th ; April 6th – July 20th ; Jun 15th – Sept 28th ; Sept 7th – Dec 21st

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. Start Dates: Jan 5th – Mar 16th ; April 6th – Jun 15th ; Jun 15th – Aug 24th ; Sept 7th – Nov 16th

LEED NC Certification 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 and exam simulation tool is ideal for passing your exam.

Building Energy Efficiency Level I

This course provides you with the knowledge and skills they need 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. Dec 5 '08 - Jan 29 '09 Feb 9 '09 – Mar 27th 09 April 3 '09 – May 9 '09 Jun 5 09 – July 24' 09.

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. The information presented here covers the topic areas included in 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 RESNET exams. Dec 5 '08 - Jan 29 '09 Feb 9 '09 – Mar 27th 09 April 3 '09 – May 9 '09 Jun 5 09 – July 24' 09

Weatherization Energy Auditor

This course is designed for the **utility industry worker** and tailored specifically for Department of Energy's (DOE) Weatherization Program and similar utility-funded programs. The curriculum elements are specifically designed to train technicians involved in the field of building performance and energy Feb 9 '09 – Mar 27th 09; April 3 '09 – May 9 '09; Jun 5 09 – July 24' 09

Energy Management

Coming Soon!

The student will perform critical examinations of energy consuming facilities both domestic and commercial for the purpose of identifying energy conservation opportunities. In addition, the student will identify various energy conservation techniques as well as equipment that can be installed to further conserve energy.

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Certified Indoor Environmentalist (CIE)

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.

Certified Microbial Investigator (CMI)

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

Certified Indoor Air Quality Manager (CIAQM)

Are you a facility manager, building engineer or property owner that is interested in how indoor air quality (IAQ) affects the occupants of your space? The CIAQM course is designed to help you diagnose indoor environmental problems in your building, correct those problems, and prevent them.

Green Building Sales Professional

This program is specifically for individual professionals selling or marketing a certified Green residential (Real Estate Professionals), commercial or government project. Topics covered: Intro Green Building, Environmental Quality, Resource Efficiency, Sustainable Preventative Maintenance.

Green Building Technical Professional

This course 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.

Solid Waste Operations Certificate

This 132 hour/four-course program is important training for homeland security as it relates to solid waste management. This introductory course includes instruction in Landfill operations, Composting operations, Household Hazardous Waste and Waste-water Operations (solids).

Water Treatment Operations Certificate

This 240 hour/four-course program covers the rudiments of water treatment, focus on issues of concern to surface water treatment facilities, water storage facilities, operation and maintenance of water mains, water quality issues, disinfections, basic laboratory safety and gravimetric, spectrophotometric, electrochemical, titrimetric and microbiological methods.

Wastewater Treatment Operations Certificate

This 320 hour/5 course covers the rudiments of wastewater treatment, focuses on issues of concern to wastewater treatment facilities, focuses on issues of concern to industrial wastewater treatment facilities, regulatory requirements; flow measurement; preliminary, physical and chemical treatment; filtration gain a working knowledge of wastewater collection systems safety procedures, sewer inspection and testing, pipeline cleaning and maintenance, underground repair, lift stations, equipment maintenance, and sewer rehabilitation.

Energy Auditing and Residential Heat Loads

Students learn to calculate and complete a heat load; and Audit short-cuts for quick load calculations; and techniques for using the software as a sales tool. Students, working with an instructor, will have the opportunity to take building specifications and complete a load calculation on several rooms using the software. This will help students not only how to complete a heat load, but also the information they need to prepare an accurate load. Software, Manual J and instructor support included.