



# SUMMER 2011

## PROGRAM SCHEDULE



Chicago Center FOR Green Technology



Chicago



Department of  
Environment

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THE CHICAGO CENTER FOR GREEN TECHNOLOGY, AND ALL ACTIVITIES LISTED IN THIS BROCHURE, ARE OPEN TO THE PUBLIC UNLESS OTHERWISE NOTED. THIS INCLUDES CLASSES SPONSORED BY THE U.S. GREEN BUILDING COUNCIL – ILLINOIS CHAPTER AND OTHER PROGRAMMING PARTNERS.

## GREETINGS

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Summer has arrived in Chicago, and with it comes plenty of opportunities to get outside, learn about green technology, and put it to work in our communities. Whether your passions are landscapes and gardening, or the pursuit of a more energy efficient building, CCGT has many activities this semester that cater to the interests of both professional and novice alike.

The Green Tech U series offers a variety of seminars on green building, design, and landscaping – many with an emphasis on saving money. You'll find that working with green technologies to create a healthy, more sustainable lifestyle does not have to cost more money. Even simple steps can lead to significant savings. Attend a session and discover for yourself which strategies can help your bottom line while also providing a benefit to the environment.

We continue to work with our programming partners at the Chicago Architecture Foundation, Peggy Notebaert Nature Museum, and U.S. Green Building Council-Illinois Chapter to bring you high quality events at unique locations throughout the city. We are also excited to announce a new partnership with the Midwest Ecological Landscaping Association. Programs held in conjunction with these partners are noted in the brochure by their respective logos, so keep an eye out for them.

This summer we will also showcase another exhibit in our second floor space. The "Chicago Conservation Corps Volunteer Wall of Fame" highlights individuals and their projects from across the city. Find out what's happening in your neighborhood and get involved.

In early May, we welcome the honeybees back to CCGT. One of our most popular tour stops is the 'observation hive' enclosed in glass that resides inside our Green Building Resource Center. Kids and parents have an opportunity to safely observe a working beehive up close. Bees are pollinators and an important part of the native landscape at our facility. Indeed, bees are critical to fruit trees and other flowering plants across the country. The value of honeybees to U.S. agriculture is estimated at \$15-\$20 billion a year!

We are confident there is a topic that will speak to everyone's interests and hope you will take full advantage of our offerings. Of course, we love to get feedback and want to hear from you. Please feel free to share your ideas for future programs, tell us about your current green projects, or just stop in during building hours to say hello!

## CHICAGO CENTER FOR GREEN TECHNOLOGY

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The Chicago Center for Green Technology (CCGT) is the first rehabilitated municipal building in the nation to receive the LEED® Platinum rating from the U.S. Green Building Council. Mayor Richard M. Daley dedicated the building in 2002 and it has gone on to become a national model for sustainable design and technology.

The Center serves as the most comprehensive green design educational resource in the Midwest. We promote and advance sustainable homes, workplaces and communities to enhance the quality of urban life. We work to facilitate this through educational programming and training, research and demonstration and by acting as a resource network.

### RESOURCE CENTER

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The Green Building Resource Center at CCGT is an invaluable tool for those interested in learning about sustainability, green technology, and green buildings. We are open to the public six days a week and accessible to everyone from Chicago residents to green building experts. Our resources include:

- Knowledgeable staff
- Sample library of eco-friendly building and design materials
- Reference books & web resources
- U.S. Green Building Council - LEED® reference materials

### VOLUNTEER OPPORTUNITIES

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If you have an interest in green buildings, design or education, and enjoy working with the public, consider becoming a volunteer at the Chicago Center for Green Technology.

Volunteers at CCGT have a great opportunity to learn about the latest advances in green buildings, technology, and sustainable products and practices. Network with local green professionals, give guided tours of our LEED® Platinum building to students and professional groups, and assist visitors in the Resource Center researching local green issues and products. Volunteer opportunities require a minimum commitment of a few hours per week for three months.

For more information or to request a Volunteer Application, call (312) 746-9642 or email [greentech@cityofchicago.org](mailto:greentech@cityofchicago.org) with "Volunteer" in the subject line.

### TOURS

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Guided tours are available for groups of ten or more. Tours are offered Monday through Saturday at 10:30 AM and 1:30 PM. A minimum of two weeks advanced registration is required. To obtain a Tour Request Form, visit our website at [www.cityofchicago.org/Environment/GreenTech](http://www.cityofchicago.org/Environment/GreenTech) or call (312) 746-9642.

Smaller groups are encouraged to take a self-guided tour during business hours. Self-guided tour brochures are available at the front desk.

## GREEN TECH U SERIES

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The Center's Green Tech U Series has been developed in response to the increasing demand for educational resources in green technology in Chicago. Our seminars provide an opportunity to increase knowledge of sustainability, green building and public policy while meeting like-minded people and expanding professional networks.

### REGISTRATION:

**Advance registration** is required for all Green Tech U seminars. You may register by calling (312) 746-9642, or send an email with your desired class and contact information to [greentech@cityofchicago.org](mailto:greentech@cityofchicago.org) with "Green Tech U" as the subject line. Please note, some seminars require that you register with one of our programming partners.

### COST:

Unless otherwise specified in the program description, Green Tech U seminars are free to the public.

### CERTIFICATES:

CCGT offers certificates to recognize participants of the Green Tech U Series. Certificates can be earned in the following subject areas:

- Architecture
- Building and Construction Management
- Engineering
- Green Business
- Green Home and Garden
- Interior Design

To obtain a certificate, participants must first fill out a "Program Registration" form indicating which certificates they intend to pursue, then submit the completed form to CCGT staff. Participants must then attend six eligible seminars within a 12-month period. One of the six seminars must be the foundation course, "Ecology of Design Part I: Concept." Please sign-in before each seminar on the appropriate "Sign-In" sheet, and specify whether you are pursuing a certificate. Participants who fail to sign-in will not have that seminar counted towards their certificate.

Once the six seminars have been completed, participants must fill out the "Certificate Tracking and Application" form, and submit the completed form to CCGT staff. A certificate and letter will be mailed to the applicant approximately one month later. Certificates may be earned in more than one subject area simultaneously.

To obtain any of these forms please contact CCGT staff at (312) 746-9642 or e-mail your request to [greentech@cityofchicago.org](mailto:greentech@cityofchicago.org). Forms may be submitted via e-mail, faxed to (312) 746-9778, or hand delivered to the Green Building Resource Center during normal building hours.

### CONTINUING EDUCATION CREDITS:

The Center understands and recognizes the need for professionals to obtain continuing education credits or units. We are a registered American Institute of Architects (AIA)-Continuing Education System (CES) provider. Many of our seminars are approved for Learning Units (LU) through AIA-CES. In order to obtain the LU, attendees must provide their AIA member number on the sign-in sheet at each Green Tech U seminar. AIA approved classes are marked by their logo.

We can provide a general "Certificate of Attendance" to people seeking proof of their attendance for submission to other professional associations or employers. All certificates of attendance must be signed by CCGT staff on the day of the seminar in order to be valid.

### SEMINARS:

A complete seminar listing is also at: [www.cityofchicago.org/Environment/GreenTech](http://www.cityofchicago.org/Environment/GreenTech).



# SEMESTER AT A GLANCE

DATE:	TITLE:	Architecture	Building & Construction Management	Engineering	Green Business	Green Home & Garden	Interior Design
5/3	Building Green on a Budget	●	●			●	
5/5	LEED Extra Credit: Edgewater Sustainability Project	●	●	●			
5/10	Composting in the City					●	
5/12	Green Infrastructure: Creating Sustainable Sites	●	●	●		●	
5/17	Soil Critters are Good for your Plants					●	
5/19	Green for All - CHA Property and Operations Assessment		●	●	●		
5/21	Green Remodeling: Living Spaces in the Home		●			●	●
5/24	How to Green Your Business				●		
5/26	Managing Soils for Better, Safer Plant Growth					●	
5/31	Going Green by Thinking Blue	●	●	●			
6/2	LEED Extra Credit: Integrative Design	●	●	●			●
6/4	Natural Building	●	●			●	
6/7	Sustainable Landscaping		●		●	●	
6/9	Making Energy Efficiency Pay in Multi-Unit Buildings		●		●		
6/11	Green Walls	●	●				●
6/14	Lighting the Way Towards Savings	●	●	●	●		●
6/14	LEED for Commercial Interiors	●	●	●			
6/18	Green Remodeling: Basements		●			●	●
6/23	Ecology of Design Part I: Concept	●	●	●	●	●	●
6/25	Permaculture I: Fundamentals and Principles					●	
6/28	Green Cleaning 101				●	●	

# SEMESTER AT A GLANCE

DATE:	TITLE:	Architecture	Building & Construction Management	Engineering	Green Business	Green Home & Garden	Interior Design
6/30	Ecology of Design Part II: Method and Application	●	●	●	●	●	●
7/5	Chicago Green Homes Program	●	●	●		●	●
7/7	LEED Extra Credit: Achieving LEED O+M	●	●	●			
7/9	Home Sweet Green Home: Real-World Advice for Greening Your House					●	●
7/12	Structural Soils and Silva Cells		●	●		●	
7/14	The Calumet Region		●			●	
7/16	Permaculture II					●	
7/19	CCGT Landscape ID Tour					●	
7/20	Worm Composting 101					●	
7/23	Planting Design 101 – A Beginner's Guide	●				●	
7/26	Sustainable Backyard Workshop					●	
7/28	Residential Green Building Systems	●	●	●		●	
8/2	Renewable Energy Options for Homeowners	●	●	●		●	
8/4	LEED Extra Credit: Energy Modeling	●	●	●			●
8/9	Leveraging Financial Incentives for Green Home Building	●	●		●	●	●
8/11	Benefits of Reusing Existing Residential Buildings		●	●	●	●	●
8/13	Green Remodeling: Bathrooms		●			●	●



## SEMINAR LISTINGS

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Seminars are listed in chronological order. The certificate titles directly below are color-coded and cross referenced with dots after each seminar description to indicate which Green Tech U Certificates each seminar counts towards.

- ARCHITECTURE
- BUILDING & CONSTRUCTION MANAGEMENT
- ENGINEERING
- GREEN BUSINESS
- GREEN HOME & GARDEN
- INTERIOR DESIGN

*Advance registration is required for all Green Tech U seminars. You may register by calling (312) 746-9642, or email your desired class and contact information to [greentech@cityofchicago.org](mailto:greentech@cityofchicago.org) with "Green Tech U" as the subject line. You are welcome to attend any seminar independently of registering for a certificate track. Please note the date and location for each seminar.*

**TITLE:** Building Green on a Budget



**DATE:** 5/3/2011

**TIME:** 6:00-8:00 PM

**SPEAKER:** Jason LaFleur, Alliance for Environmental Sustainability

**LOCATION:** Chicago Center for Green Technology

In this education session, practical strategies for building an affordable green home that meets LEED for Homes certification standards will be explained, and then applied to case studies relevant to the local market. Common myths regarding level of documentation, cost, and credit requirements will be dispelled, showing how a LEED-certified home can be built affordably. Case studies, including strategies and cost data of LEED for Homes projects in Illinois, will be presented. Brought to you by the USGBC-Illinois Chapter's Residential Committee as part of a REGREEN residential remodeling series. AIA/CES: 2 LU ●●●



**TITLE: LEED Extra Credit: Edgewater Environmental Sustainability Project: An Argument for LEED-EN (Existing Neighborhood) Designation**




**DATE: 5/5/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Devon Patterson, Solomon Cordwell Buenz; Kana Wibbenmeyer, Loyola University Chicago; Carmen Vidal-Hallett, Sustainability Consultant; Barbara Willard, DePaul University; Helen Cameron, Uncommon Ground**

**LOCATION: Richard J. Klarcheck Information Commons, 6501 N. Kenmore Avenue, Chicago, IL**

**FEE: \$15 for USGBC-Illinois Chapter members, \$30 for non-members**

The Edgewater Community Council (ECC) set a goal of becoming Chicago's "Greenest Neighborhood," and determined that the historic, diverse and densely populated (14,400 people/sq mi) neighborhood was a candidate for greening and LEED certification. Simultaneously, Loyola University Chicago (LUC) was evaluating its need to become a sustainable university to ensure its continued mission. Over the course of two years, more than 300 students have participated in more than 30 projects and studies examining the interconnections that exist between the neighborhood and the University. This case study describes how communities and higher education can work together to advance common goals. It creates a model for similar communities to follow that taps into frequently overlooked resources. We discuss the relationships between Loyola's plans, the Edgewater Environmental Sustainability Project and the Chicago Climate Action Plan. 1.5 GBCI CE hours and AIA/CES: 2 LU 

*Please note: Registration for LEED™ Extra Credit Seminars administered by the U.S. Green Building Council-Illinois Chapter is taken through the USGBC-Illinois website at [www.usgbc-illinois.org](http://www.usgbc-illinois.org). Pre-registration is required, payment is taken at registration.*


**TITLE: Composting in the City - Successful Strategies for Schools and Communities**

**DATE: 5/10/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Pete Leki, Waters School, CPS**

**LOCATION: Chicago Center for Green Technology**

This workshop will explain the ecological processes involved in creating a "hot" year-round compost pile. It will also discuss successful composting of school lunchroom waste at CPS Schools. The information will be easily transferable to home composting. Pete Leki will take you through everything you need to know to start your own community composting program. 



**TITLE: Green Infrastructure: Creating Sustainable Sites & Livable Communities**



**DATE: 5/12/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Tom Barrett, Green Water Infrastructure, Inc.**

**LOCATION: Chicago Center for Green Technology**

Green infrastructure is a transformative approach to sustainable site development utilizing rain gardens, bioswales and engineered elements to create a water management system that protects, restores, and mimics the natural water cycle. This integration of natural and built environments provides benefits such as cleaner water, ecosystem conservation, wildlife habitat and aesthetic appeal. Additionally, green infrastructure can be accomplished at a significantly lower cost than conventional concrete and mortar infrastructure. Join Tom Barrett as he explains how harvesting locally produced water helps develop a “natural approach” to the efficient use of water and relieves stormwater problems. AIA/CES: 2 LU ●●●●

**TITLE: Soil Critters are Good for your Plants**



**DATE: 5/17/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Lynn Bement, The Organic Garden Coach**

**LOCATION: Chicago Center for Green Technology**

Billions of soil organisms are actively working to recycle organic matter and make plant nutrients available to your hungry plants. The role of these valuable organisms (all those soil critters) will be looked at and discussed. Discover how the soil foodweb works, uncover the role these living critters play in your landscape, and get a better understanding of how you can use all these miraculous creatures in your next project. Lynn Bement will show you how to deliver exactly what your landscape needs. ●

**TITLE: Green for All - CHA Property & Operations  
Assessment Case Study**






**DATE: 5/19/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Brian Dolan, Isilay Civan and Susan Heinking, HOK; and Dave Anderson, Chicago Housing Authority**

**LOCATION: Chicago Center for Green Technology**

With over 50,000 residents, the Chicago Housing Authority is one of the largest public housing authorities in the nation. This case study will delve into the recent sustainability portfolio analysis conducted at CHA properties. Attendees will leave with an understanding of how to effectively green operations and generate significant cost savings. AIA/CES: 2LU   

**TITLE: Green Remodeling: Living Spaces in the Home**






**DATE: 5/21/2011**

**TIME: 1:00 PM-3:00 PM**

**SPEAKER: Danielle Rivera, Green Home Chicago**

**LOCATION: Green Home Chicago, 213 N Morgan St**

The toughest part of a green home remodel is keeping the living spaces distinct, appealing and inviting. Danielle Rivera will provide green tips on the Entry Way, Living, Dining, and Bedrooms - and show you how to create functional, livable spaces that work for you and the whole family. Brought to you by the USGBC-Illinois Chapter's Residential Committee as part of a REGREEN residential remodeling series. AIA/CES: 2 LU   


**TITLE: How to Green Your Business: A Triple Bottom Line Approach**

**DATE: 5/24/2011**

**TIME: 6:00-8:00 p.m.**

**SPEAKER: Paige Finnegan, Go 2 Green; and Sara Dinges, Andersonville Development Corporation**

**LOCATION: Chicago Center for Green Technology**

Many business owners know there are economic benefits to going green, but they are still looking for concrete steps in order to actually implement such projects. This session will go beyond "just information," to provide meaningful, cost-effective strategies to green your operations and make a lasting impact on your triple bottom line. Our experts will provide practical answers to your questions about making the green transition. 


**TITLE: Managing Soils for Better, Safer Plant Growth**

**DATE: 5/26/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Ellen Phillips, University of Illinois Extension**

**LOCATION: Chicago Center for Green Technology**

Sustaining and improving soil quality is the focus of this session. We will discuss proper tillage, soil testing, amending soils, urban hazards and other aspects of soil quality that affect plant growth and development. Bring your questions and concerns about soil and leave with a new understanding of the importance of healthy soil. 


**TITLE: Going Green by Thinking Blue: Working with Permeable Pavers**

**DATE: 5/31/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Jay Womack, WRD Environmental**

**LOCATION: Chicago Center for Green Technology**

Jay Womack, ASLA, LEED AP will speak about the history of permeable pavements, how they have changed over the last few years, the benefits created by permeable pavers, how to correctly install them, and the life-cycle advantages over non-permeable surfaces. Case studies will include West Hall at Elmhurst College and The Hidden Oaks Nature Center in Bolingbrook. AIA/CES: 2 LU 



**TITLE: LEED Extra Credit: Integrative Design – A Whole Systems Approach**


**DATE: 6/2/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Helen Kessler, HJKessler Associates**

**LOCATION: TBD**

**FEE: \$15 for USGBC-Illinois Chapter members, \$30 for non-members**

The integrative (or integrated) design process is often discussed, but seldom used to full potential. As we strive toward the design of more and more efficient and sustainable buildings, this process becomes more important as it is the only way to ensure that synergies among systems are identified and utilized. In this presentation, we will discuss the integrative design process as described in the Whole Systems Integrated Process ANSI guideline and how to achieve the potential future LEED credit on Integrated Process. The program is geared toward architects, engineers, owners, developers and anyone else involved in the design and development of green building projects. 1.5 GBCI CE hours and AIA/CES: 2 LU 



*Please note: Registration for LEED™ Extra Credit Seminars administered by the U.S. Green Building Council-Illinois Chapter is taken through the USGBC-Illinois website at [www.usgbc-illinois.org](http://www.usgbc-illinois.org). Pre-registration is required, payment is taken at registration.*



**TITLE: Natural Building**

**DATE: 6/4/2011**

**TIME: 10:00 AM-12:00 PM**

**SPEAKER: Anna Wolfson, Wolfson Earthen Finishes**

**LOCATION: Chicago Center for Green Technology**

Beyond the innate sensuality of natural buildings, their resource and energy efficiency exemplify the “greenest” of building practices. This lecture will introduce some of the prominent trends in Natural Building, and how they can be applied to enhance the performance of the built environment while leaving the smallest of footprints. We will discuss whole building systems, as well as elements that can be advantageously applied to existing buildings. AIA/CES: 2 LU ●●●



**TITLE: Sustainable Landscaping: Concepts, Practice & Implementation**



**DATE: 6/7/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Tom Lupfer, Lupfer Landscaping**

**LOCATION: Chicago Center for Green Technology**

Sustainable landscaping has quickly become an integral part of the green industry. Residential homes, municipalities and commercial properties are all looking for ways to make their landscape more sustainable. But what does ‘sustainable’ mean? Is it simply about installing rain gardens, native plantings, and low maintenance grasses, or does it go beyond these things? Tom Lupfer will provide you answers to these questions and more. Learn about his experiences in this exciting area, as well as how to start incorporating ‘sustainability’ into your landscape. Whether you are a contractor, property manager, homeowner, local official or building developer, you won’t want to miss this seminar. ●●●

**TITLE: Making Energy Efficiency Pay in Multi-Unit Buildings**

**DATE: 6/9/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Jason Ransby-Sporn, Center for Neighborhood Technology; and James Lackland, Community Investment Corporation**

**LOCATION: Chicago Center for Green Technology**

Listen to a panel of experts discuss best practices for energy efficiency in the multifamily housing market. Case studies will be presented by CNT Energy (a division of the Center for Neighborhood Technology), the Community Investment Corporation (CIC), and a local building owner. The discussion will include details on the Energy Savers Program, a one-stop energy efficiency shop for multifamily building owners that has collectively saved \$3 million and updated over 4,500 apartments for efficiency; financing options available through CIC for landlords considering remodeling and gut rehabs; and practical advice from a local building owner on getting started with energy efficiency projects. ● ●

**TITLE: Green Walls**



**DATE: 6/11/2011**

**TIME: 10:00 AM-12:00 PM**

**SPEAKER: Scott Mehaffey, Sage Botanic Media**

**LOCATION: Chicago Center for Green Technology**

Green walls are of tremendous interest to architects and building owners as a means of providing summer shade and reducing cooling costs. Green walls include many types of vertical gardens, with a wide range of costs and complexity. Scott will cover the basics of green walls, and describe various vertical garden systems, including relative costs and maintenance requirements. AIA/CES: 2 LU ● ● ●

**TITLE: Lighting the Way Towards Savings:  
Energy-Efficient Lighting Solutions**



**DATE: 6/14/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Kelly Aaron, Jess Sherwood, and Anna Baker, EverLights**

**LOCATION: Chicago Center for Green Technology**

Getting the right lighting is an important step toward keeping occupants healthy, happy and productive – and can shave money off your utility bills too. Join the staff from EverLights as they explain how to effectively enhance lighting, minimize the environmental footprint, and improve the bottom line. Key topics include lighting efficiency solutions, incandescent and T12 phase out, LED lamps, and recycling end of life lighting products. Get real world advice from the experts. ● ● ● ● ●



**TITLE:** LEED for Commercial Interiors – MMC Tour & Case Study

**DATE:** 6/14/2011


**TIME:** 2:30-5:00 PM

**SPEAKER:** Heidi Thornton, Interior Designer, Perkins & Will; Elizabeth Barry, Senior Vice President, Marsh & McLennan Companies, Inc., Project Manager (TBD), Clune Construction Company

**LOCATION:** Meet in south lobby of the Merchandise Mart (222 Merchandise Mart Plaza, Chicago 60654)

**FEE:** TBD



After achieving LEED Gold certification in October 2010, Marsh & McLennan Companies, Inc. (MMC) has established the goal of LEED CI certification for all new projects going forward - two of which are planned here in the Chicago area in the coming year. During this tour and case study, we will look at strategies employed, the role of green champions in the success of a LEED project and how the initial goal of LEED certification for projects going forward has had operational and project implications for MMC as a whole. Speakers include the MMC project manager, the architect, and the construction manager. We will address strategies employed and lessons learned during the project and how these lessons have impacted MMC policies and procedures. The session will include a walking tour of the MMC Chicago Office and a formal presentation walking through case study aspects of the LEED CI process. 1.5 GBCI CE hours and AIA/CES: 2 LU 

*Please note: Registration for LEED™ tours administered by the U.S. Green Building Council-Illinois Chapter is taken through the USGBC-Illinois website at [www.usgbc-illinois.org](http://www.usgbc-illinois.org). Pre-registration is required, payment is taken at registration.*



**TITLE: Green Remodeling: Basements**

**DATE: 6/18/2011**

**TIME: 10:00 AM-12:00 PM**

**SPEAKER: Brandon Weiss, Weiss Building & Development LLC**

**LOCATION: Chicago Center for Green Technology**

For many households, finishing the basement represents one of the easiest and least expensive ways to increase the living space, but it can also be a very demanding project. Managing moisture and radon, introducing daylight, and selecting the right materials from insulation to finish flooring are all challenging. An up-front professional design or consultation, even on a do-it-yourself project, can mean the difference between major headaches and a high-performance, hassle-free, green remodel. This session will tell you what you need to know to get started on a basement remodel the right way and highlight case study examples in the process. Brought to you by the USGBC-Illinois Chapter's Residential Committee as part of a REGREEN residential remodeling series. ●●●

**TITLE: Ecology of Design Part I: Concept**

**DATE: 6/23/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Michael Iversen, University of Illinois at Chicago**

**LOCATION: Chicago Center for Green Technology**

Part I of a two-part series, is based on the conceptualization of urbanized areas as complex dynamical ecosystems, which are being stressed from the convergence of urbanization, fossil-fuel energy depletion, and climate change. Using an ecosystem-based approach, design is re-interpreted as the intentional shaping of energy, material, information and monetary flows that act as inputs and outputs of an urbanized ecosystem. The inventory and analysis of these system flows may then serve as the basis for informed design decisions and policymaking. This seminar is required for people seeking a Green Tech U certificate. AIA/CES: 2 LU ●●●●●●



**TITLE: Permaculture I: Fundamentals and Principles**

**DATE: 6/25/2011**

**TIME: 1:00-3:00 PM**

**SPEAKER: Jody Luna, Midwest Permaculture**

**LOCATION: Chicago Center for Green Technology**

Permaculturists strive to grow food just about anywhere, repair environmentally damaged lands, design lovely and long lasting green-buildings, produce power, run successful-people-oriented businesses, and building authentic community. They accomplish this by using the same fundamental design principles and by applying a fundamental permaculture ethic: Care of People - Care of the Earth - Sharing all Surplus. Learn the essence of, and reasons for, applying a permaculture way of thinking to how we live. ●

**TITLE: Green Cleaning 101**

**DATE: 6/28/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Heather Grance, Peggy Notebaert Nature Museum**

**LOCATION: Chicago Center for Green Technology**

**FEE: \$10 for Nature Museum members, \$15 non-members**

Make your own natural (and effective!) green cleaning kit in this hands-on workshop. Test simple recipes against commercial products and learn why green cleaning is better for your health, the environment and your wallet! Cost: \$10/members, \$15/non-members. ●●

*To register visit [naturemuseum.org](http://naturemuseum.org), email [adultprograms@naturemuseum.org](mailto:adultprograms@naturemuseum.org), or call 773-755-5122.*

**TITLE: Ecology of Design Part II: Method and Application**



**DATE: 6/30/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Michael Iversen, University of Illinois at Chicago**

**LOCATION: Chicago Center for Green Technology**

The second of a two-part series, presents a methodology, Urbanized Ecosystems™ (UrbEcoSys™), which models specific urbanized areas as complex, dynamical ecosystems, based on scoping, inventorying, and assessing critical variables and relationships as represented by the flux and cyclic processes of energy, materials, costs, and information. Such an approach is scalable and transferable to neighborhoods, communities and regional applications. A proof-of-concept application will be featured as a case study. This class is strongly recommended for people pursuing a Green Tech U certificate. AIA/CES: 2 LU ●●●●●●●●


**TITLE: Chicago Green Homes Program**

**DATE: 7/5/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Timothy Heppner and Team, Chicago Green Homes Program**

**LOCATION: Chicago Center for Green Technology**

Building green generates a number of positive impacts from the increased market value on a home to lowered CO2 emissions. The Chicago Green Homes Program (CGHP) provides an integrated design approach for homeowners, residential builders and developers looking to incorporate sustainable, "green" design into their own residential building. The CGHP equips participants with the tools and resources needed to meet their building goals, and ultimately achieve a sustainable environment for us all. Join lead consultant, Tim Heppner, and CGHP team members for an interactive program discussion, including innovative design features, requirements and enrollment opportunities. AIA/CES: 2 LU 



**TITLE: LEED Extra Credit: Achieving LEED O+M:  
Existing Buildings Energy Credits**


**DATE: 7/7/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Christopher A. Philbrick, Sieben Energy Associates; Abigail Corso, Delta Institute; and Margaret Renas, Delta Institute**

**LOCATION: TBD**

**FEE: \$15 for USGBC-Illinois Chapter members, \$30 for non-members**

This session will provide case studies and experience-based opinions and recommendations regarding means and methods used to achieve LEED Energy & Atmosphere credits as applied to Existing Buildings. Focus areas will include metering and measurement, benchmarking, building automation systems, and implementation of energy efficiency measures. The goal of the program will be to give attendees an understanding of some of the challenges that may be faced when pursuing an EA credit so as to facilitate problem solving and decision making. 1.5 GBCI CE hours and AIA/CES: 2 LU 



*Please note: Registration for LEED™ Extra Credit Seminars administered by the U.S. Green Building Council-Illinois Chapter is taken through the USGBC-Illinois website at [www.usgbc-illinois.org](http://www.usgbc-illinois.org). Pre-registration is required, payment is taken at registration.*



**TITLE: Home Sweet Green Home: Real-World Advice for Greening Your House**  
**DATE: 7/9/2011**

**TIME: 10:00 AM-12:00 PM**

**SPEAKER: Emily Berlinghof, EcoHome Chicago**

**LOCATION: Chicago Center for Green Technology**

Can traditional homes be “green?” Can I make my home more efficient and sustainable without a major renovation? Can a green home be a beautiful home while still being practical and functional? The answer is YES! YES! YES! Any home in Chicagoland can “go green” with the right approach; even little steps can create big returns. This seminar highlights ‘regular’ homes that have made green changes - both large and small - to bust the myths and give you practical advice you can use. ●●

**TITLE: Structural Soils and Silva Cells**

**DATE: 7/12/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Ted Haffner, Terry Guen Design Associates**

**LOCATION: Chicago Center for Green Technology**

Urban trees are faced with unique challenges, root interruption and poor soil quality among them. Structural Soils are a mix of stone and soil that can be compacted to install pavement over the soil. Structural soils are designed to allow tree root growth underneath without heaving the pavement. Deep Root Silva Cells are engineered boxes that are placed beneath sidewalks and filled with uncompacted topsoil allowing tree roots to grow healthier in urban environments. Join Ted Haffner as he explains these two concepts that offer supportive environments for the urban tree.



**TITLE: The Calumet Region: Restoration & Opportunities**

**DATE: 7/14/2011**

**TIME: 6:00-8:00 p.m.**

**SPEAKER: Jerry Attere, WRD Environmental, Consultant for the Chicago Department of Environment**

**LOCATION: Chicago Center for Green Technology**

The Calumet region was once an area with the largest wetland complexes in North America. However, after decades of heavy industry and extensive filling of wetlands, many areas are now degraded and considered Brownfield sites, in serious need of rehabilitation for private or public reuse or for the creation of open space. Join the Chicago Department of Environment as we revisit the historical significance of the region which helped to make Chicago what it is today and learn about the efforts by the City of Chicago and its partners to transform the region from an industrial wasteland to a natural haven, while shedding light on the coexistence of nature, industry, and community. ● ●

**TITLE: Permaculture II**

**DATE: 7/16/2011**

**TIME: 1:00-3:00 PM**

**SPEAKER: Jody Luna, Midwest Permaculture**

**LOCATION: Chicago Center for Green Technology**

Building on the concepts in Permaculture I: Fundamentals and Principles, this course investigates gardening possibilities in an urban environment. We will focus our attention on the conditions of living in a city, applying permaculture principles to unique and overlooked options to develop fruitful spaces. Participants will take a virtual tour of projects that are currently being done around the city, as well as take away ideas for projects that can be easily implemented in their own homes. ●



**TITLE: CCGT Landscape ID Tour**

**DATE: 7/19/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Martie Brennan, Chicago Department of Environment**

**LOCATION: Chicago Center for Green Technology**

From designated Brownfield only a decade ago, to a thriving natural landscape, CCGT's campus features native and urban tolerant plants that offer a variety of benefits. Native plants are adapted to the region, building up a tolerance to local diseases and pests, Midwest climate highs and lows, and periods of drought and intense rain. Our calculated plant choices also provide wildlife habitat, urban heat island mediation and stormwater management. Join Greencorps horticulturist Martie Brennan for our yearly CCGT plant ID tour! ●

**TITLE: Worm Composting 101**

**DATE: 7/20/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Heather Grance, Peggy Notebaert Nature Museum**

**LOCATION: Chicago Center for Green Technology**

**FEE: \$10 for Nature Museum members, \$15 non-members**

Learn the basics of worm composting in this hands-on class. You'll leave with a completed starter bin and plenty of tips on how to keep it going. Cost: \$10/ members, \$15/non-members. ●

*To register visit [naturemuseum.org](http://naturemuseum.org), email [adultprograms@naturemuseum.org](mailto:adultprograms@naturemuseum.org) or call 773-755-5122.*

**TITLE: Planting Design 101 – A Beginner's Guide**

**DATE: 7/23/2011**

**TIME: 10:00 AM-12:00 PM**

**SPEAKER: Bram Barth, WRD Environmental**

**LOCATION: Chicago Center for Green Technology**

How can plants be used in the landscape? What is the design process involved in creating a planting plan? What information is available to craft your own? Take part in an interactive workshop that engages participants with the basics of planting design. Following an introductory presentation on the ecological, functional, and aesthetic uses of plants in the landscape, attendees will have the opportunity to ask questions and even draft their own plans in a studio-like setting. Drawing materials and resources will be provided, although participants are encouraged to bring their own. AIA/CES: 2 LU ● ●



**TITLE:** City of Chicago's – Sustainable Backyard Workshop

**DATE:** 7/26/2011

**TIME:** 6:00-8:00 PM

**SPEAKER:** Lyndon Valicenti, WRD Environmental, Consultant for the Chicago Department of Environment

**LOCATION:** Chicago Center for Green Technology

Learn how to make your back, front or side yard more environmentally sustainable! This workshop will cover everything you need to know to install a rain barrel, set up a compost bin, plant a native garden and more. You will also learn about the City's rebate program and how Chicago residents can receive up to 50% off of their next tree, native plant, rain barrel or compost bin purchase. ●

**TITLE:** Residential Green Building Systems: A Comparison

**DATE:** 7/28/2011

**TIME:** 6:00-8:00 PM

**SPEAKER:** Jason LaFleur; Alliance for Environmental Sustainability; Laureen Blissard, LTLB Envirotecture; Bill Styczynski, SWA Architects; and Tim Heppner, Chicago Green Homes Program

**LOCATION:** Chicago Center for Green Technology

This panel will cover the pros and cons of each residential green building program as it relates to the Greenbuild Legacy project, as well as the potential energy efficiency of two different construction methods. The case study will examine two homes with the same floorplan and elevations, but utilizing different construction methods: conventional wood framing verses Insulating Concrete Forms. Participants will gain a clearer understanding of the various choices available for doing a green residential project. Some knowledge of the LEED for Homes program, the NAHB program, and the Chicago Green Home Program is recommended. Brought to you by the USGBC-Illinois Chapter's Residential Committee as part of a REGREEN residential remodeling series. AIA/CES: 2 LU ● ● ● ●




**TITLE: Renewable Energy Options for Homeowners**

**DATE: 8/2/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Timothy Heppner, Consultant, Chicago Green Homes Program**

**LOCATION: Chicago Center for Green Technology**

Selecting a renewable energy option for your home can be an expensive, confusing and time consuming task. Join Tim Heppner as he simplifies the process and breaks down each option to show you the practical side of putting renewable energy to work in your home. Whether you are considering geothermal, wind, solar or biomass, this session will explain how to make the most realistic cost-effective choice for you. AIA/CES: 2 LU 



**TITLE: LEED Extra Credit: Energy Modeling for the Design Phase and Beyond**


**DATE: 8/4/2011**

**TIME: 5:30-8:100 PM**

**SPEAKER: David Callan, Environmental Systems Design; Edna Lorenz, Environmental Systems Design**

**LOCATION: TBD**

**FEE: \$15 for USGBC-Illinois Chapter members, \$30 for non-members**

The goal of the program is to provide attendees with knowledge of how to use energy models as a tool during the design phase and beyond. An energy model will be presented as a tool for design purposes, measurement and verification, and quantifying energy conservation measures. Emphasis will be placed on integrating the energy model into the design development process. Important variables the design team must be aware of will be outlined to ensure energy performance of the building is optimized. In addition, methodologies for integrating energy modeling into building operations during occupancy through measurement, verification and quantification of energy conservation measures will be explained. Case studies detailing new construction and existing building energy models will be reviewed with the audience. 1.5 GBCI CE hours and AIA/CES: 2 LU 



*Please note: Registration for LEED™ Extra Credit Seminars administered by the U.S. Green Building Council-Illinois Chapter is taken through the USGBC-Illinois website at [www.usgbc-illinois.org](http://www.usgbc-illinois.org). Pre-registration is required, payment is taken at registration.*



**TITLE: Leveraging Financial Incentives for Green Home Building & Financing**




**DATE: 8/9/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Dan Rappel, Koo and Associates; Bill Seeger, Ecohabitat; and Chris McAuliffe, CM Real Estate Development LLC**

**LOCATION: Chicago Center for Green Technology**

This program will focus on the many available ways to defray the cost of building or remodeling a green residence. We will present available tax credits, tax deductions and utility rebates available for green residences. In addition, we will review pending legislation both at the State and Federal level that creates green building incentives. There will be a special focus and case-study on building green affordable housing. Residential design, development and building professionals are the primary audience for this program. Homeowners may also be interested in available incentives. Brought to you by the USGBC-Illinois Chapter's Residential Committee as part of a REGREEN residential remodeling series. AIA/CES: 2 LU 


**TITLE: Benefits of Reusing Existing Residential Buildings**

**DATE: 8/11/2011**

**TIME: 6:00-8:00 PM**

**SPEAKER: Timothy Heppner, Consultant, Chicago Green Homes Program**

**LOCATION: Chicago Center for Green Technology**

Do you know you may already be living in a green building? Reusing existing buildings – and all of the embodied energy they contain – is an excellent way to recycle building materials and keep them out of a landfill. When combined with a building sciences approach that addresses the design and operation of all systems, existing buildings can be among the greenest in the world. Learn how to control air flow, moisture and heat movement to enhance comfort, reduce costs, and improve health in your residential building. Protecting the environment and saving money never felt so good. 

**TITLE: Green Remodeling: Bathrooms**

**DATE: 8/13/2011**

**TIME: 10:00 AM-12:00 PM**

**SPEAKER: Maria Onesto, Green Home Experts**

**LOCATION: Chicago Center for Green Technology**

What sustainable products are available for your bathroom remodel? What can you do with the construction waste and left over materials? This course will help to define what makes a material green, as well as highlight specific plumbing fixtures, vanities, lighting fixtures, and floor and wall covering products you can use for your project. Maria will also discuss who to call and where to take your construction waste and unused tile and other materials. Brought to you by the USGBC-Illinois Chapter's Residential Committee as part of a REGREEN residential remodeling series.



## EXHIBITIONS AND EVENTS

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**TITLE: Chicago Conservation Corps Volunteer Wall of Fame**

**DATE: April 4th through July 13th**

**TIME: Open during regular building hours**

**LOCATION: 2nd Floor Hallway**

**FEE: FREE! Open to the general public**

The Chicago Department of Environment will recognize outstanding Chicago Conservation Corps (C3) volunteers. On Monday, April 4, 2011, the Chicago Center for Green Technology unveiled this special exhibit honoring over 200 volunteers in the Environmental Leadership Training program, along with the 100 teachers and 1,500 students involved in the Student Clubs Program.

Chicago Conservation Corps volunteers are extremely dedicated citizens whose very participation indicates their willingness to raise the bar in environmental leadership. Visit the exhibit to learn more about the amazing work of these dynamic community leaders, teachers and students.

*For more information about volunteer opportunities and events with the Chicago Conservation Corps, contact [conservation@cityofchicago.org](mailto:conservation@cityofchicago.org) or 312-743-9283.*

**TITLE: 2011 Chicago Solar Power Up!**

**DATE: July 12th through July 23rd**

**TIME: 8:30 AM-12:30 PM**

**LOCATION: Chicago Center for Green Technology**

**FEE: \$75 per child**

Calling all future scientists, engineers, and designers: the Chicago Center for Green Technology invites you to attend its annual Chicago Solar Powerup! Solar Powerup gives students ages 9-12 the opportunity to design, build, and race model solar powered cars while learning about renewable energy resources.

Students are given instruction in photovoltaic technology and opportunities to experiment with various design factors and thoroughly test their models. The workshops culminate in a drag race tournament at the Chicago Center for Green Technology on Saturday, July 23rd. Dates and times are:

**Session I** - July 12th (Tue) through July 15th (Fri), 8:30 a.m. to 12:00 p.m.

**Session II** - July 19th (Tue) through July 22nd (Fri), 8:30 a.m. to 12:00 p.m.

The registration deadline is June 30, 2011. Please note: registration is limited to 20 students per session. Students will be admitted on a first come, first served basis. Registration fee is \$75. Spots may only be reserved by receipt of payment (check only, made payable to "Chicago Center for Green Technology") no later than June 30, 2011. Please call (312) 746-4155 before mailing in payment to check registration availability and for more information. Limited scholarships are available upon request.

## PARTNERS

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### U.S. GREEN BUILDING COUNCIL - ILLINOIS CHAPTER



The USGBC-Illinois Chapter leads the regional transformation of the built environment to become ecologically sustainable, profitable and healthy. The Chapter works to achieve this through advocacy, collaboration and education, including LEED® Extra Credit Seminars, Green Building for Contractors, and a variety of other green building related programs and events throughout the region. The Chapter is located at 222 Merchandise Mart Plaza, Suite #946. For information on Chapter programs and events, please visit the website at [www.usgbc-chicago.org](http://www.usgbc-chicago.org) or call (312) 245-8300.

### LEED® Extra Credit Sessions



LEED® Extra Credit sessions have been integrated into the Chicago Center for Green Technology's Green Tech educational program. There is a fee of \$15 for USGBC members, \$30 non-members, for these seminars and pre-registration is required. Please visit [www.usgbc-chicago.org](http://www.usgbc-chicago.org) to register, payment is taken at registration. Look for the USGBC – Illinois Chapter logo to indicate co-sponsored seminars throughout the GTU seminar listing.

### MIDWEST ECOLOGICAL LANDSCAPING ASSOCIATION:



The Midwest Ecological Landscaping Association ([www.melaweb.org](http://www.melaweb.org)) is the first trade association of green industry professionals in the Midwest dedicated to adopting sustainable designs, methods and materials as standard practice. MELA is unique in having members from all aspects of the horticulture industry, including landscape architects and designers, landscape contractors, growers, nurseries, garden centers, manufacturers and distributors of supplies to the horticulture industry, arborists, public gardens and other outdoor education organizations, horticulture media, and government organizations. These organizations have turned to MELA to provide them with the insights, opportunities and training to become savvy about sustainable design, installation and maintenance.





### Garden Eco-Tour MIDWEST ECOSYSTEMAL LANDSCAPING ASSOCIATION

MELA and the 8th grade science students at O’Keeffe School, 6940 S. Merrill in Chicago are in the second year of a program to create a sustainable school garden. Join us on June 1, 2011 for a tour and see how they have transformed this space. Learn about sustainable techniques you can use at any site that is challenged by invasive plants, compacted soil, and garden pests! The garden is located one block south of the school.

Two tours of 1 hour each will be offered at 11:00 a.m. and 11:45 a.m. Price per person is \$20 advance registration, (box lunch included) OR \$10 onsite registration (no lunch included). For full details and to register, visit [www.melaweb.org](http://www.melaweb.org).

This garden is maintained in cooperation with NeighborSpace, Chicago’s land trust for community gardens.

## OTHER OPPORTUNITIES

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### CHICAGO CONSERVATION CORPS (C3)

You Care. Do Something. We'll Help.



### Explore Environment Service with the Chicago Conservation Corps (C3)

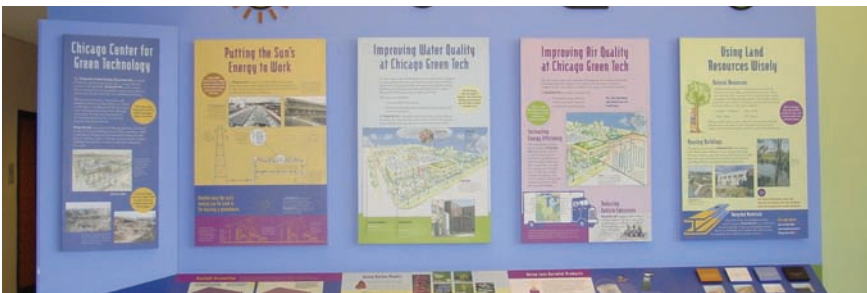
Are you inspired by Chicago's green space and want to help make sure it is preserved? Do you want to clean up your neighborhood, but feel like it is too much to tackle by yourself? Do you want to be more involved in environmental action and education but aren't sure where to begin? Turn your passion for the environment into action: VOLUNTEER with the Chicago Conservation Corps and our partner organizations.

Featured volunteer opportunities highlight exciting ways that you can explore environmental service year round. Volunteers are encouraged to participate in fun, hands-on activities that get your feet wet and your hands dirty while working alongside some of Chicago's most active environmental leaders.

Find exciting opportunities that will put you at the forefront of natural areas, protecting community conservation and beautification efforts, and environmental action and education. Ready to get started? Check out our monthly ways to explore environmental service:

- Saturday, May 14. Friends of the Chicago River, 14th Annual Chicago River Day. Contact [Cfox@chicagoriver.org](mailto:Cfox@chicagoriver.org).
- Saturday, June 11. Chicago Cares 18th Annual Serve-A-Thon. Contact [info@chicagocares.org](mailto:info@chicagocares.org).
- Saturday, August 13. The Thismia Hunt 2011, Celebrating 20 Years of Conservation in Calumet. <http://tinyurl.com/thismiahunt>
- Saturday, September 17. Alliance for the Great Lakes Adopt A Beach Day. Contact [fcanonizado@greatlakes.org](mailto:fcanonizado@greatlakes.org).

For a full listing of monthly volunteer events, please visit the C3 blog: [www.chicagoconservationcorps.org/blog/eventcalendar](http://www.chicagoconservationcorps.org/blog/eventcalendar). Please contact us for additional information or questions at [conservation@cityofchicago.org](mailto:conservation@cityofchicago.org) or (312) 743-9283.



## Fall 2011 Environmental Leadership Training Series You Care. Do Something. We'll help.



The Chicago Conservation Corps is now recruiting for its Fall 2011 Environmental Leadership Training Series.

During the training, you'll learn from community and environmental leaders about urban environmental challenges and opportunities for change; then you'll lead an environmental service project in your community with C3 support and resources.

To apply for the C3 Leadership Training Series, you must be a City of Chicago resident and attend one orientation. The Fall 2011 training will be held at the Chicago Center for Green Technology, 445 N. Sacramento Blvd, on Saturdays throughout October and November. Attend an orientation in early October to learn more. For a list of orientation and training dates and for more information, visit [www.chicagoconservationcorp.org](http://www.chicagoconservationcorp.org) or contact C3 at (312) 743-9283 or [conservation@cityofchicago.org](mailto:conservation@cityofchicago.org). A \$75 fee covers course participation and project support. Financial assistance is available upon request.



### GREENCORPS CHICAGO

Greencorps Chicago is the City of Chicago's community gardening and green industry job training program. We offer three programs to community groups: Plant Distribution Days, Garden Assistance, and the Green Industry Job Training program. Our mission is to promote environmental stewardship and improve the quality of life by establishing natural spaces that are safe, healthy and sustainable through hands-on involvement with trainees and community partners. We do this by creating awareness, building commitment, developing expertise and providing the resources necessary to create community gardens and green spaces. Greencorps Chicago, established in 1994, is a program of the City of Chicago Department of Environment in partnership with WRD Environmental.

*To obtain an application for any of our services, or for more information, please call (312) 744-8691 or email us at [greencorps@cityofchicago.org](mailto:greencorps@cityofchicago.org).*



## CONTACT US

### LOCATION:

Chicago Center for Green Technology

445 N. Sacramento Blvd.

Chicago, IL 60612

(312) 746-9642

[greentech@cityofchicago.org](mailto:greentech@cityofchicago.org)

[www.cityofchicago.org/Environment/GreenTech/](http://www.cityofchicago.org/Environment/GreenTech/)

### DIRECTIONS:

CTA: Take the Green Line to California. Transfer to the #94 bus headed northbound. The bus stops right in front of Chicago Green Tech.

For more information please visit [www.transitchicago.com](http://www.transitchicago.com).

BIKE: Bike racks are available in front of and behind the building.

To find best routes visit [www.chicagobikes.org](http://www.chicagobikes.org).

CAR: Free parking is available in the front and rear lots.

### BUILDING HOURS:

M, W, F: 9:00 AM – 5:00 PM

T, Th: 9:00 AM – 8:00 PM

Sat: 9:00 AM – 4:00 PM

Sun: CLOSED

NOTE: The Chicago Center for Green Technology will be closed on the following dates:

- Monday, May 30; Memorial Day
- Monday, July 4; Independence Day