

Provider:				GBCI CE HOUR APPROVALS						
Conference:										
Date:										
Session Number (User created)	Session Title:	Total minutes of Instruction:	GBCI Topic Category (Pick one only)	Session Description (100 words):	Learning Objectives (Minimum of three)	Approved GBCI CE Hours	Is session LEED-specific?	Session meets LEED-specific requirements for the following LEED AP Specialties:	COMMENTS	
BBM-1	How Well Do You Know Your Soils?	50	Project Site Factors	Knowing key facts about soils can make the difference between success and failure. This seminar will include basic information on soils, dealing with problem soils, soil testing and plant analysis.	Attendees will learn : basic information about soils, how to deal with problem soils, how to read and understand soil tests and how plants interact with soils.	1	No			
AM-2	"What the World Needs Now:" Increasing Urban Tree Survival	50	Site	It is estimated by 2030 only 10% of the world's forests will be remaining at the current rate of cutting. Today 80% of Canadians and Americans live in the urban environment and are increasingly concerned about the health of the urban forest. Particularly high plant mortalities occur in high stress environments such as along highways and street trees. This presentation will focus on the benefits of trees, at what age those benefits are reached and new research regarding what can be done to increase tree survival.	Attendees will learn: what specific benefits trees offer, the age at which trees offer certain benefits, and how to increase tree survival.	1	No			
GM-2	Strategies to Reduce Greenhouse Energy Consumption	50	Acquisition, installation and management of project materials	With declining profit margins and an increased emphasis on sustainable production, more emphasis is being placed on producing crops in an energy-efficient manner. In this session, you'll learn about greenhouse production strategies and technologies that growers can use to reduce energy consumption and improve greenhouse production efficiency.	Attendees will learn: production strategies to reduce energy consumption, what technology is available for monitoring and reducing energy consumption, and how to increase production while decreasing energy consumption.	1	No			
PM-3	Plants to Enhance and Stabilize your Shoreline	50	Water Management	Plants are essential to the stabilization and restoration of emergent and shoreline habitats. In order to achieve this end, plants that can thrive in these environment must be selected and installed. In this session, learn about plants that have the structure to survive in shoreline habitats as well as have an ornamental value to enhance the design aesthetic.	Attendees will learn: which plants will thrive in wet, hostile environments, what techniques are require for ensuring survival of young plantings, and what things to consider when selecting plants for stabilization purposes.	1	No			
BBM - 4	When to Choose Custom Soil Blends and Enrichments	50	Project Site Factors	Know your soil, know your compost, ask for what your site needs. This session will explore several quick ways to know when you need to amend soils for optimum plant growth. Establishing your landscape plants quickly and with higher success rates can be achieved through improving soil structure, soil remediation and re-introduction of essential soil microbial populations from the addition of organic soil blends.	Attendees will learn: key signs that indicate soils need to be amended, how to improve soil structure, and why microbial populations are essential to the success of a landscape.	1	No			
GNT-1	Buffers, Filter Strips and Bioswales; Fancy Names for Planting Beds	50	Water Management	The mention of buffers, filter strips and vegetated swales bring to mind large tracts of land and conservation easements. These landscape elements are promoted for biodiversity and the overall quality of our soil, water and atmospheric resources. Rain gardens are also known for the same environmental benefits but usually on a much smaller scale. Through the eyes of a landscape designer, these landscape elements become nothing more than planting beds, prepared and sized appropriately for showcasing flowers, foliage, fall colors and form. We will examine design criteria for developing "environmentally beneficial" planting beds regardless of their size or location.	Attendees will learn: how to use landscape areas in the most environmentally beneficial way, what site conditions must be evaluated when designing for infiltration, and how to best promote environmentally sound design solutions to clients.	1	No			
GNT-2	Green Ordinances and Municipal Landscape Codes	50	Site	Green ordinances and municipal landscape codes are examples of a community's commitment to protect, preserve or promote environmental quality and a healthy community atmosphere. In today's terms it may also refer to green infrastructure in both the natural and the built environments. We will examine current landscape ordinances, woodland preservation policies, and weed laws; identify discrepancies and suggest updated or new language that allows responsible landscape practice while infusing sustainability, green building and sound science into a new generation of public policies.	Attendees will learn: what current "green" ordinances and codes exist in Michigan, how to stay up-to-date about new legislation and how to join the conversation on a state and local level.	1	No			
LDT-4	Carbon, Ecosystem Services and Landscapes: The Rest of the Story	50	Project Site Factors	Understanding the interrelationship between landscape plants, carbon sequestration and ecosystem services is the basis for "enhancing the perceived value of plants". Every plant in every landscape provides value added benefits. This presentation will include information and consumer friendly promotional materials that producers, retailers and landscape contractors can use to enhance consumer awareness and market the ways in which their plants and resulting landscapes contribute to sustainability, ecosystem services and environmental quality.	Attendees will learn: an understanding of the relationship between plants and carbon sequestration, how to determine the value of the landscape plants based on their ability to store carbon, and how to communicate this benefit with their clients.	1	No			
LDW-1	Water Harvesting for Residential/Light Commercial; The Collection, Containment and Disbursement	110	Water Management	The session will follow the process of design, installation and case studies for collecting and distributing water from many different sources. There are many ways to collect water and many uses of water that has been stored.	Attendees will learn: several different ways that rainwater can be collected and stored, the basics of what makes a system function well, and how to best reuse water that has been collected.	1	No			