



EARTHWAYS CENTER

a division of the  MISSOURI BOTANICAL GARDEN


We promote sustainability through environmental education and improving the built environment.



campus sustainability:
a conversation about the St. Louis region



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St. Louis Campus Sustainability Network Luncheon

December 4, 2009

For more information and to [register](#), please contact Katy Mike Smaistrla at katymike.smaistrla@mobot.org.

The St. Louis Chapter of the Green Building Council and Missouri Botanical Garden's EarthWays Center is excited to host another luncheon for local champions for sustainability at institutions of higher education. The purpose of these luncheons is to promote networking opportunities and information sharing at the college and university level.

Join us on December 4, 2009 for the next luncheon. The scheduled topic is "energy," and information about energy audits and conservation and improvement measures will be presented. Representatives from each school will be given an opportunity to

Sustainability Education: University Consulting

Campus sustainability means more than recycling, building green, or hosting an Earth Day celebration every year at your college or university. It is a broad initiative that requires intimate coordination and institutional relationships. It is our aim to look at campus sustainability as a continuum while originating dialogue about systematic actions to further that initiative at [schools](#) in the St. Louis area.

EarthWays is proud to offer university consulting services. Through generous funding from the St. Louis-Jefferson County Solid Waste Management District, we are able to assist your university with a number of tasks associated with improving the environmental literacy on your campus. These services are free-of-cost, and may include:

- Assessing existing operations and education and outreach needs
- Working with sustainability task forces, environmental committees, and "green teams" to identify team goals and objectives as well as university-wide initiatives
- Improving current operations to meet industry best practices and current standards
- Writing and incorporating policies to facilitate change
- Publicizing results to encourage success
- Working with the USGBC St. Louis Regional Chapter's Higher Education Advocacy Committee, we are also able to provide networking events, newsletters, and other opportunities to get involved in our regional consortium of sustainability task forces, green teams, and individual champions at various schools.

what is a green campus exactly?

as defined by the campus earth summit (in 1995)...

“A green campus is one that integrates environmental knowledge into all relevant disciplines, improves environmental studies course offerings, provides opportunities for students to study campus & local environmental problems, conducts environmental audits of its practices, institutes environmentally responsible purchasing policies, reduces campus waste, maximizes energy efficiency, **makes environmental sustainability a top priority** in land-use, transportation, and building planning, establishes a student environmental center, and supports students who seek environmentally responsible careers.”

sustainability in an educational setting:

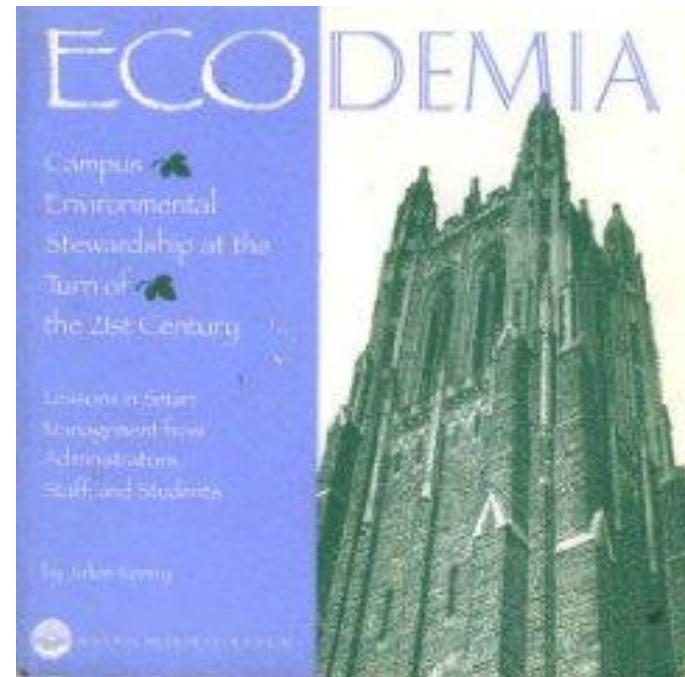
Sustainable Site
Practices

Sustainable
Program Messages



strands of sustainability:

- environmentally-literate curriculum & support for students
- assessment & auditing
- purchasing
- waste reduction
- energy conservation & efficiency
- planning
- environmental center /department



GREEN AT STLCC

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GREEN Education

CREDIT COURSES

- [BIO:117 Conservation & Ecology](#)
- [BIO:124 General Botany I](#)
- [BIO:144 Marine Biology](#)
- [BIO:148 Ozark Ecology](#)
- [BIO:151 Biology of Human Health and Disease](#)
- [CE:243 Intro to Environmental Engineering](#)
- [CE:516 Sustainable Construction](#)
- [CHM:109 Chemistry for Environmental \[Careers I\]\(#\)](#)
- [ENG:243 Environmental Literature](#)
- [GEG:100 Regional Geography: The Eastern World](#)
- [GEG:101 Regional Geography: The Western World](#)
- [GEG:103 Physical Geography](#)
- [GEG:106 U.S. and World Geography](#)
- [GEO:100 Earth Science](#)
- [GEO:103 Environmental Geology](#)
- [GEO:104 Prehistoric Life](#)
- [GEO:111 Physical Geology](#)
- [GEO:113 Oceanography](#)
- [HRT:101 Introductory Horticulture](#)
- [HRT:102 Soils](#)
- [HRT:103 Plant Propagation](#)
- [HRT:110 Fundamentals of Horticulture](#)
- [HRT:127 Soil Management](#)
- [HRT:227 Plant Pest Management](#)
- [HRT:241 Greenhouse Management](#)



Recent accomplishments of the **St. Louis Community College District** include

- Creation of a sustainability coordinator position
- Initial steps toward an energy audit at the Florissant Valley campus location
- A paper audit of the entire district
- Energy conservation retrofits
- Two LEED Gold buildings
- Approval as a USGBC Education Provider

RANKEN

TECHNICAL COLLEGE

A strategic planning process has begun and a goal for the campus master plan is to ensure all future projects are sustainable at **Ranken Technical College**.

In January 2010, the Ranken Continuing Education Department will offer several new seminars and a new one-year certificate program in **Solar Energy Systems and Green Technology**.

Classes include

- Introduction to Solar Photovoltaic Systems,
- Grid Tied and Hybrid Solar Photovoltaic Systems,
- Solar Hot Water Installation and
- Rainwater Systems Design.



Southwestern Illinois College

will serve as one of three Regional Centers of the *Illinois Community College Sustainability Network*. This statewide sustainability network will be under the direction of Dr. Leith Sharp, founder of Harvard's Green Campus Initiative, and will focus on

- Education,
- Community Outreach, and
- Employment Opportunities.

Lewis & Clark Community College is working on

- Building a Comprehensive Sustainability Plan
- Opening a LEED platinum building in February
- Finishing an interior lighting retrofit and beginning an exterior lighting retrofit
- Installing a photovoltaic lab for course work and partnering with Madison County to host a teacher workshop on wind and solar curriculum
- Saving energy with a Kill a Watt program in computer labs
- Using a recently-installed commercial composter & Taterware in cafeteria
- Completing a new rain garden





Principia College has been busy...

- purchasing 100% green power for 2009-10
- naming Mike Rechlin as Sustainability Coordinator and appointing a 10 member Sustainability Council
- continuing their wind turbine tests for the third year
- placing 7th in the World Solar Challenge in October 2009
- proposing an Interdisciplinary Minor in Sustainability for Fall 2011
- initiating Campus Sustainable Roadmap with Consultant CTG Energetics, Inc. in January 2010
- planning the 2010 Public Affairs Conference (the oldest student-run conference in the United States), titled "The End of Oil" and featuring Jim Woolsey, the former director of the CIA (Join them on April 8th!!)

The University of Missouri – St. Louis

- is a recent signatory of the ACUPCC commitment, signing in October 2008.
- completed an initial greenhouse gas survey in 2006, and is refining its survey for submittal in January.
- is migrating to a single-stream recycling program.
- will be participating in its first RecycleMania! Competition in January.



Webster University is



- Continuing Webster Groves campus recycling efforts, with plan to audit in Spring
- Expanding recycling to domestic extended campuses
- Evaluating synergies among campus sustainability efforts, service learning projects, and curricula
- Formalizing existing policies (EnergySTAR devices, etc.)
- Renewing Presidents' Climate Commitment efforts

St. Louis Campus Sustainability Regional Consortium

*launch date:
April 6, 2010*





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