

Report on Efforts by State Universities to Promote the Green Technology Industry



“The Board of Higher Education and the Illinois Community College Board shall annually publicize on their Internet websites information concerning efforts made by State universities and community colleges to promote the green technology industry, including the development of new academic degree and certificate programs, courses of instruction, and initiatives made by these State universities and community colleges to align green jobs programs with employer needs.” (Source: P.A. 97-241, eff. 8-4-11.)

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Global Institute of Sustainable Development:
<http://www.csu.edu/internationalstudies/globalinstitute/>

Calumet Environmental Resource Center: <http://www.csu.edu/cerc/>



Graduate programs that would qualify as green: <http://www.eiu.edu/sustainable/>

MS in Sustainable Energy (Approved by IBHE Board: 12/4/12)
Duel MS in Sustainable Energy and Technology
Duel MS in Sustainable Energy and MBA
Duel MS in Sustainable Energy and MS in Geographic Information Sciences

We also have an Undergraduate Minor in Environmental Sustainability and a Concentration in Alternative Energy and Sustainability.

<http://castle.eiu.edu/energy/undergraduate.php>

We have created the Center for Clean Energy Research and Education (CENCERE), which is committed to the development of clean, sustainable energy sources. CENCERE partners with a cross-disciplinary team engaged in catalyzing new initiatives in energy research and education. More information about the center can be found here <http://castle.eiu.edu/energy/>. (4/12/11)

Campus green initiatives, include having a Renewable Energy Center that can produce energy using biomass, water conservation and recycling programs.

We have received the following awards for our campus efforts

Tree Campus USA 2010, 2011, 2012 — National Arbor Day Foundation and Toyota (2011)

Outstanding College and University Recycling Program award from the Illinois Recycling Association (2009)

U.S. Environmental Protection Agency's College/University Partner of the Year award (one of 10) for comprehensive waste reduction program (2006)

ASHRAE Regional Technology Award, First Place for Institutional Buildings - Existing, Region VI, (2002-2003)

Efficient Building Awards from the Department of Commerce and Economic Opportunity State Building Energy Program (1997, 1999, 2002)

More information about campus initiatives can be found here:
<http://www.eiu.edu/sustainability/>.



Information can be found here: <http://www.ibhe.org/misc/GreenJobsReportGSU.pdf>



Information on Green Programs: <http://sustainability.illinoisstate.edu/student-involvement/>

Center for Renewable Energy (Approved by IBHE Board: 8/12/08)
Bachelor of Science in Renewable Energy (Approved by IBHE Board: 10/2/07)



Information can be found here: <http://www.ibhe.org/misc/GreenProgramsAtNEIU.pdf>



Institute for the Study of Environment, Sustainability & Energy: <http://www.niu.edu/ese/>

Bachelor of Arts or Sciences in Environmental Studies (Approved by IBHE Board:
8/16/11)



“Green Programs” and Sustainability Initiatives

Majors

Agribusiness Economics
Agricultural Systems and Education
Crop, Soil and Environmental Managements
Environmental Studies
Geography and Environmental Resources
Urban Forest Management – Forestry

Minors or specializations

Sustainability – minor
Environmental Sustainability Specialization
Environmental Chemistry Specialization
Civil and Environmental Engineering – minor
Environmental Engineering Specialization
Energy and Environmental Policy

Courses

UCOL 101G 1-3: Foundations of Inquiry Campus Sustainability: SIU Environmental Activities
GEOG 100-3 Environmental Conservation
GEOG 303I – 3 Physical Geography
GEOG 320-3 Introduction to Environmental Sustainability
GEOG 421-3 Urban Sustainability
GEOG 424-3 Sustainable Development
GEOG 470-3 Continuing Issues in Environmental Studies
ANTH 207-3 Sustainability
ARC 481-3 Environmental Design II: Energy and Systems
CSEM 347-3 Urban Soils
CSEM 370-3 Agroecology Sustainable Agricultural Systems
FOR 201-3 Ecology of North American Forests
FOR 285-3 Social Influences on Forestry
FOR 331-3 Forest Ecosystems
AUT 430-1 Automotive Investigations
AUT 480-3 Alternative Fueled Vehicles
HORT 462-3 Sustainable Landscape Practice
HORT 463-3 Plants in Ecological Landscape
HORT 480-3 Designing Outdoor Spaces
TRM 440-3 Technology and Management of Sustainable Enterprises
PLB 301I-3 Environmental Issues
ZOOL 312I-3 Conservation of Natural Resources
ENGR 301I-3 Humans and Their Environment
ENGR 303I-3 The Role of Energy in Society
ABE 405-3 Management of Ethanol Production Facilities
ABE 440-3 Natural and Environmental Resources Economics and Policy

Initiatives

In 1999, Southern Illinois University broke ground in sustainability, becoming the first institution of higher education in Illinois to sign the Talloires Declaration. SIU committed to mobilize its resources in order to address the problems and reverse the trends of environmental degradation.

In May 2009, the SIU Board of Trustees [unanimously passed](#) the \$10 per semester student [Green Fee](#) “to provide a regularized source of funding for on-campus renewable energy, energy efficiency, and sustainability projects and research.” This fee was passed after overwhelming approval by 73% of the students who voted in a campus wide referendum in the first student-led fee increase in SIU history.

The Sustainability Council, along with the Green Fund Committee, was formed to make campus-wide recommendations concerning sustainability and allocate Green Fund revenue (generated by the Green Fee). Since then, the Committee has awarded over \$1.6 million for on-campus research and projects involving renewable energy, energy efficiency, and sustainability.

SIUC’s Vermicomposting Facility - creates compost from campus dining food waste and a recent expansion involved building an aerated static pile (ASP) facility that will greatly increase the university’s composting capacity.

The Agriculture Building boasts a green roof, a living wall and a rain garden that also offer excellent hands-on learning opportunities for students.

SIUC also hosts a Center for Sustainable Farming.

SIU Carbondale also has a diverse assortment of initiatives that include: bike repair stations, recycling and hydration stations, sustainable vegetable gardens, composting commodes, energy-efficient lighting, and a hydroponic workshop.



Link devoted to sustainability that is a compendium of our efforts:

<http://www.siu.edu/sustainability/>



Office of Sustainability: <https://sustainability.uic.edu/>

Master of Energy Engineering (Approved by IBHE Board: 8/14/07)

The Institute of Environmental Science and Policy (Approved by IBHE Board: 12/4/07)



University of Illinois at Urbana Champaign

Institute for Sustainability, Energy, and Environment: <http://sustainability.illinois.edu/>

Center for Sustainable Environment (Approved by IBHE Board: 6/4/13)

Master of Science in Bioenergy (Approved by IBHE Board: 8/12/08)

Institute of Natural Resource Sustainability (Approved by IBHE Board: 10/7/08)

Bachelor of Science in Earth System, Environment and Society (Approved by IBHE Board: 6/5/07)

School of Earth, Society, and Environment (Approved by IBHE Board: 6/5/07)

Master of Science in Ecology, Evolution, and Conservation (Approved by IBHE Board: 8/14/07)

Doctor of Philosophy in Ecology, Evolution, and Conservation (Approved by IBHE Board: 8/14/07)



Link to information on sustainability at UIS: <http://www.uis.edu/sustainability/>

Bachelor of Arts in Environmental Studies (Approved by IBHE Board: 4/10/12)



Link to Sustainability in the Curriculum at WIU:

<http://www.wiu.edu/vpas/sustainability/education.php>

Doctor of Philosophy in Environmental Science: Large River Ecosystems in the Western Region (Approved by IBHE Board: 8/6/13)