**SIUE Art & Design Building Expansion**  
Edwardsville, Illinois

- **30%** regional materials
- **25%** optimized energy performance
- **96%** of waste diverted from landfill

---

### LEED® Facts

*Southern Illinois University*  
*Art & Design Building Expansion*  
*Edwardsville, Illinois*

**LEED for New Construction v2009**  
Certification awarded  August 28, 2013

<table>
<thead>
<tr>
<th>Category</th>
<th>Achieved/ Possible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable Sites</td>
<td>16/26</td>
</tr>
<tr>
<td>Water Efficiency</td>
<td>8/10</td>
</tr>
<tr>
<td>Energy &amp; Atmosphere</td>
<td>13/35</td>
</tr>
<tr>
<td>Materials &amp; Resources</td>
<td>6/14</td>
</tr>
<tr>
<td>Indoor Environmental Quality</td>
<td>10/15</td>
</tr>
<tr>
<td>Innovation &amp; Design</td>
<td>6/6</td>
</tr>
<tr>
<td>Regional Priority Credits</td>
<td>4/4</td>
</tr>
</tbody>
</table>

*Out of a possible  110 points*

---

The information provided is based on that stated in the LEED® project certification submittals. USGBC and Chapters do not warrant or represent the accuracy of this information. Each building’s actual performance is based on its unique design, construction, operation, and maintenance. Energy efficiency and sustainable results will vary.
SIUE’S First LEED Gold Building

Fostering a Healthy and Sustainable Arts Facility

PROJECT BACKGROUND
Sited directly to the west of the existing 1991 building, the mission of the addition was to create a unified facility for Southern Illinois University-Edwardsville’s Art and Design department. The design was conceptualized to provide enhanced space for an expanded program, incorporate campus design standards, and to reflect and connect the natural environment that is the essence of SIUE’s surroundings. Knowing that their students expect sustainable design and any higher upfront costs in efficiency will pay dividends for the University in the long term, SIUE made a commitment to LEED Silver. The design team surpassed that goal by achieving Gold, a first for the University.

STRATEGIES AND RESULTS
Improvements to ensure safety of the University students was paramount along with added clarity of function, incorporation of modern teaching technologies, enhanced gallery space, independent lecture facilities and to create creative studio spaces that foster artistic expression and to attract the best and brightest students with a new modern identity. Trivers engaged department leaders, user groups, and Administration to determine which functions would remain in the existing facility and which would move to the expansion. With a full evaluation of the existing building’s condition, the proposed plan took into consideration the existing facility’s strengths and deficiencies and how to plan for future growth. The team coordinated with the University to outline four separate construction phases over the course of nearly twenty-four months that would maintain an operational facility during construction.

Minimizing the impact on the envelope of the existing building, spaces were reallocated. More efficient and visible studios were designed to ensure greater safety and transparency for the creation of the artwork within. The facility’s life safety and building systems infrastructure was upgraded to facilitate proper ventilation and safety protocols. Informal student gathering spaces were allocated at circulation nodes along with integration of new critique and meeting rooms. The highly visible, yet private spaces are adjacent to the predominant circulation corridors, further engaging conversations of the faculty, students and fostering the art they create.

Sited directly to the west of the existing building, the addition is composed of two masses (evoking the nearby Mississippi River limestone cliffs) “shaped” by the pedestrian flow. The addition allows for an expanded gallery, visible from the campus pedestrian walkway and sited at the terminus of the main axis of the complex, flanked on either side by art studios. This orientation denotes a clear organization and symbolizes the culmination of the artistic process for display. By utilizing BIM software, decisions influencing the building’s orientation to enhance daylighting contributed to the project’s path to LEED Gold. The second level drawing and painting studios, with orientation to northern light, and the integration of an auditorium and lecture hall also contribute to the much needed programmatic space. With the addition absorbing much of the program shift and breathing new life into the existing building, the end result is a safe, long-lasting, and unified facility that hopes to attract and retain the most creative minds, building upon the already strong success of SIUE’s Art and Design program.

ABOUT SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE
SIUE is a nationally recognized university that provides students with a high-quality, affordable education that prepares them for successful careers and lives of purpose. Built on the foundation of a broad-based liberal education, and enhanced by hands-on research and real-world experiences, the academic preparation SIUE students receive equips them to thrive in the global marketplace and make our communities better places to live.

Situated on 2,660 acres of beautiful woodland atop the bluffs overlooking the natural beauty of the Mississippi River’s rich bottom land and only a short drive from downtown St. Louis, the SIUE campus is home to a diverse student body of nearly 14,000.

“SIUE is committed to environmental stability both inside and outside the classroom, and the Art and Design building is a testament to that. Providing state-of-the-art facilities supports our mission to provide an excellent educational experience for faculty and students.”

Dr. Julie Furst-Bowe,
SIUE Chancellor

© 2014 USGBC-Missouri Gateway Chapter, a Missouri 501c3 nonprofit corporation.

LEED / Sustainability Consultant (Construction): Open Fields Design, Inc.

Architect: Trivers Associates
Owner: Southern Illinois University-Edwardsville
Contractor: RW Boeker Company, Inc.
LEED / Sustainability Consultant (Design): Trivers Associates
LEED / Sustainability Consultant (Construction): Open Fields Design, Inc.
Interior Designer: Trivers Associates
Civil Engineer: Juneau Associates, Inc., PC
Commissioning Agent: Farnsworth Group, Inc.
Structural Engineer: Alper Audi, Inc.
MEP Engineer: McClure Engineering
Acoustics Consultant: Designed Acoustics, LLC
Industrial Hygienist: Arts, Crafts & Theater Safety, Inc.
Code Consultant: Code Consultants, Inc.
Photographs Courtesy of: Alise O’Brien

About USGBC-Missouri Gateway Chapter
USGBC is the nation’s foremost coalition of leaders from across the building industry. Missouri Gateway Chapter members represent all segments of the building industry and work together to promote buildings that are environmentally responsible, profitable, and healthy places to live and work.

Missouri Gateway Chapter
usgbc-mogateway.org
314-577-0854