The Swaner Preserve and EcoCenter consists of a 1,200-acre land trust in the Snyderville Basin and a state-of-the-art facility dedicated to environmental education. The preserve protects critical wetland and foothill terrain in the heart of one of the state’s fastest-growing areas. The EcoCenter is a multi-use facility with space for educational and community activities. The facility is LEED Platinum Certified, the highest standard for design, construction and operation of high-performance green buildings.

**SWANER ECOCENTER**

- **Square Footage**: 15,745 sq. feet
- **Date of Completion**: September 2008
- **LEED Certification**: PLATINUM
- **LEED Credits Achieved**: 61

### LEED CREDITS ACHIEVED

**Sustainable Sights**
- Development Density & Community Connectivity
- Alternative Transportation
- Site Development
- Storm Water Design
- Heat Island Effect
- Light Pollution Reduction

**Water Efficiency**
- Water Efficient-Landscaping: Reduce by 50%
- No Potable Water Use
- Innovative Water Technologies
- Water Use Reduction: Reduce by 20%
- Reduce by 30%

**Energy & Atmosphere**
- Optimize Energy Performance
- Onsite Renewable Energy
- Enhanced Commissioning
- Enhanced Refrigerant-Management
- Green Power

**Materials & Resources**
- Construction Waste-Management
- Material Reuse
- recycled Content
- Regional Materials
- Rapidly Renewable-Materials
- Certified Wood

**Indoor Environmental Quality**
- Increased Ventilation
- Construction IAQ Management
- Low-Emitting Materials
- Adhesives and Sealants
- Indoor Chemical & Pollutant-Source Control
- Controllability of Systems
- Thermal Comfort
- Daylight & Views

**Innovation & Design Process**
- Education
- Exemplary Performance
- LEED Accredited Professional

**Regional Priority**
Wetland Discovery Point, the Utah Botanical Center’s (UBC) prime teaching space, has been awarded Platinum LEED certification. The roof functions to harvest rainwater, shade high angle summer sun and to provide passive solar heating by taking advantage of low-angle winter sun and provide abundant natural light. Harvested precipitation is stored in a cistern and used to irrigate part of the landscape and to flush low flow toilets. Much of the power used in the building is solar generated, including solar-heated water which flows through the building’s heating system. Extensive windows connect visitors with the surrounding landscape and improve ventilation.
The Center is home to offices of the Utah State University Research Foundation’s Energy Dynamics Laboratory and the Idaho National Laboratory. USTAR staff is also being housed in the facility to assist with research commercialization and outreach to local companies and entrepreneurs. This regional research hub houses classrooms, teaching labs, student services, and provides Uintah Basin students with educational and research opportunities.

<table>
<thead>
<tr>
<th>LEED CREDITS ACHIEVED</th>
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<tbody>
<tr>
<td><strong>Square Footage</strong></td>
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<tr>
<td>69,781 sq. feet</td>
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<td>September 24, 2010</td>
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<td><strong>LEED Certification</strong></td>
</tr>
<tr>
<td>GOLD</td>
</tr>
<tr>
<td><strong>LEED Credits Achieved: 43</strong></td>
</tr>
</tbody>
</table>

**Sustainable Sights**
- Alternative Transportation
- Site Development
- Stormwater Design
- Heat Island Effect
- Light Pollution Reduction

**Water Efficiency**
- Water Efficient-Landscaping: Reduce by 50%
- Water Use Reduction: Reduce by 20%
- Reduce by 30%

**Energy & Atmosphere**
- Optimize Energy Performance
- Enhanced Commissioning
- Enhanced Refrigerant-Management
- Green Power

**Materials & Resources**
- Recycled Content: 10%/20%
- Regional Materials: 10%/20%

**Indoor Environmental Quality**
- Increased Ventilation
- Construction IAQ Management-Plan
- Low-Emitting Materials
- Adhesives and Sealants
- Indoor Chemical & Pollutant-Source Control
- Controllability of Systems
- Thermal Comfort

**Innovation & Design Process**
- Education
- Recycled Content
- Exemplary Performance-SS 5.2
- Open Space
- CO2 & Transportation Reduction
- LEED Accredited Professional

**Regional Priority**
- 3
The new USU USTAR building will house the most advanced life sciences laboratory in the state and will provide researchers the resources to seek cures for a range of human and animal diseases. USTAR teams such as the Center for Advanced Nutrition, Veterinary Diagnostics and Infectious Disease, and the Synthetic Bio-Manufacturing Center will be the initial occupants.

<table>
<thead>
<tr>
<th>USTAR BIOINNOVATIONS BUILDING</th>
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<tbody>
<tr>
<td>Square Footage</td>
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<tr>
<td>Date of Completion</td>
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<tr>
<td>LEED Certification</td>
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<tr>
<td>LEED Credits</td>
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<tr>
<td>111,670 sq. feet</td>
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<tr>
<td>October 2010</td>
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<tr>
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<td>LEED Credits Achieved: 42</td>
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**LEED CREDITS ACHIEVED**

<table>
<thead>
<tr>
<th>Sustainable Sights</th>
<th>Water Efficiency</th>
<th>Energy &amp; Atmosphere</th>
<th>Materials &amp; Resources</th>
<th>Indoor Environmental Quality</th>
<th>Innovation &amp; Design Process</th>
<th>Regional Priority</th>
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</thead>
<tbody>
<tr>
<td>Site Selection</td>
<td>Water Efficient-</td>
<td>Energy Performance</td>
<td>Construction Waste-</td>
<td>Outdoor Air Delivery Monitoring</td>
<td>Innovation in Design</td>
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<tr>
<td>Alternative Transport:</td>
<td>Landscaping</td>
<td>Enhanced Commissioning</td>
<td>Management</td>
<td>Increased Ventilation</td>
<td>Process</td>
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<tr>
<td>Public Transportation-</td>
<td>Water Use Reduction</td>
<td>Enhanced Refrigerant-</td>
<td>Resource Reuse</td>
<td>Construction IAQ Management-</td>
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<td>Management</td>
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<td>Plan</td>
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<tr>
<td>Bicycle Storage and-</td>
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<td>Certified Wood</td>
<td>During Construction</td>
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<td>Changing Rooms</td>
<td></td>
<td></td>
<td></td>
<td>Before Occupancy</td>
<td></td>
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<tr>
<td>Low-Emitting and Fuel-</td>
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<td></td>
<td>Low-Emitting Materials:</td>
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<tr>
<td>Efficient Vehicles</td>
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<td>Adhesives and Sealants</td>
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<tr>
<td>Parking Capacity</td>
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<td></td>
<td></td>
<td>Paints and Coatings</td>
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<tr>
<td>Site Development:</td>
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<td></td>
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<td>Carpet Systems</td>
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<tr>
<td>Maximize Open Space</td>
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<td></td>
<td></td>
<td>Composite Wood and Agrifiber</td>
<td></td>
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<tr>
<td>Stormwater Management:</td>
<td></td>
<td></td>
<td></td>
<td>Controllability of Systems:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quality Control</td>
<td></td>
<td></td>
<td></td>
<td>Lighting</td>
<td></td>
<td></td>
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<tr>
<td>Heat Island Effect:</td>
<td></td>
<td></td>
<td></td>
<td>Thermal Comfort: Design &amp;</td>
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<td>Roof</td>
<td></td>
<td></td>
<td></td>
<td>Verification</td>
<td></td>
<td></td>
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<tr>
<td>Light Pollution Reduction</td>
<td></td>
<td></td>
<td></td>
<td>Daylighting and Views: 75%</td>
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<td></td>
</tr>
</tbody>
</table>

**USU’s sustainable Buildings**

**BIOINNOVATIONS**

**Building**

**October 2010**

**111,670 sq. feet**

**GOLD**

**LEED Credits Achieved: 42**

**Utah State University**

**Facilities Planning, Design & Construction**
The Classroom Building functions primarily as a distance learning classroom, allowing students access to education through teleconference technology; balancing the needs for audio & visual control, while providing a comfortable building for students and faculty. Classrooms are all provided views of the surrounding botanical garden landscape and mountain range, but are sized and positioned to limit distractions and control excess daylight.
The building was constructed adhering to Leadership in Energy and Environmental Design (LEED) certification guidelines. Solar panels were placed on the south face of the building to provide shade from the southern sun as well as produce energy. The interior of the building has a combination of limestone, glass and bamboo wood, along with a four-story high atrium. Smart classrooms have been equipped with the latest technology and house university classes. Research laboratories have been designed to enhance access and collaboration among researchers. Additionally, the new Café on the Quad serves various sandwiches, pastries, coffees and has brought Aggie Ice Cream back to the Quad.

131,019 sq. feet
February 29, 2012
GOLD
LEED Credits Achieved: 66
USU’s Distance Education Building houses Distance Education offices and state-of-the-art distance education classrooms. It enables USU to deliver high-tech education and quality academic programs to students throughout the state and around the world via online, interactive video broadcast and face-to-face classes.

### USU’s Distance Education Building

- **Square Footage**: 40,838 sq. feet
- **Date of Completion**: August 2012
- **LEED Certification**: SILVER
- **LEED Credits Achieved**: 50

### LEED Credits Achieved

<table>
<thead>
<tr>
<th>Sustainable Sights</th>
<th>Water Efficiency</th>
<th>Energy &amp; Atmosphere</th>
<th>Materials &amp; Resources</th>
<th>Indoor Environmental Quality</th>
<th>Innovation &amp; Design Process</th>
<th>Regional Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Selection</td>
<td>Water Efficiency</td>
<td>Energy Performance-</td>
<td>Materials &amp; Resources</td>
<td>Indoor Environmental Quality</td>
<td>Innovation &amp; Design Process</td>
<td>Regional Priority</td>
</tr>
<tr>
<td>Development Density &amp;-</td>
<td>Water Efficient-</td>
<td>Improve by 20% for New or 16% for</td>
<td>Resources</td>
<td>Quality</td>
<td>Process</td>
<td>Development density and community</td>
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<tr>
<td>Community Connectivity</td>
<td>Landscapeing</td>
<td>Existing Buildings</td>
<td>Construction Waste-Management</td>
<td>Outside Air Delivery Monitoring</td>
<td>Process</td>
<td>connectivity</td>
</tr>
<tr>
<td>Alternative Transportation</td>
<td>Water Use Reduction-</td>
<td>Enhanced Commissioning</td>
<td>Recycled Content</td>
<td>Construction IAQ Management-Plan</td>
<td>Process</td>
<td>Public transportation access</td>
</tr>
<tr>
<td>Stormwater Design</td>
<td>Reduce by 30%</td>
<td></td>
<td>Regional Materials</td>
<td>Low-Emitting Materials</td>
<td>Plan</td>
<td></td>
</tr>
<tr>
<td>Heat Island Effect</td>
<td></td>
<td></td>
<td>Certified Wood</td>
<td>Indoor Chemical &amp; Pollutant-Source</td>
<td>Plan</td>
<td></td>
</tr>
<tr>
<td>Light Pollution Reduction</td>
<td></td>
<td></td>
<td></td>
<td>Control</td>
<td>Plan</td>
<td></td>
</tr>
</tbody>
</table>

**Inside Air Delivery Monitoring**
- Enhanced Acoustic Design
- Low Mercury Lighting
- Building Envelope Design
- LEED Accredited Professional
This state-of-the-art multi-level facility features areas for weight training, cardiovascular workouts and speed and agility training, as well as offices for staff. It was aimed at alleviating overcrowding in the former strength and conditioning center and accommodates almost 400 athletes from 16 USU sports programs. The building is the largest such facility in the Mountain West and rivals any strength and conditioning complex in the country.
The Wayne Estes Center is a state of the art basketball practice facility and volleyball competition venue. It contains two regulation-size basketball courts and a regulation-size volleyball competition court with chair back seating for 1,400 fans. Also included are locker and film rooms for volleyball, a training room and in-season strength and conditioning area. The building has also provided office space for both men’s and women’s basketball and volleyball. A visual tribute to Wayne Estes, the building’s namesake, resides in the main entryway.

**Square Footage**
33,026 sq. feet

**Date of Completion**
May 2014

**LEED Certification**
SILVER

**LEED Credits Achieved:** 54

### Sustainable Sights
- Site Selection
- Development density and community connectivity
- Alternative Transportation: Public Transportation
- Access
- Low-Emitting and Fuel-Efficient Vehicles
- Parking Capacity
- Stormwater Design: Quantity Control
- Heat Island Effect: Nonroof
- Heat Island Effect: Roof

### Water Efficiency
- Water Efficient-Landscaping

### Energy & Atmosphere
- Optimize Energy Performance
- Enhanced Commissioning
- Enhanced refrigerant management

### Materials & Resources
- Construction Waste-Management
- Recycled Content
- Regional Materials
- Certified Wood

### Indoor Environmental Quality
- Outside Air Delivery Monitoring
- Increased ventilation
- Construction IAQ Management Plan - during construction before occupancy
- Low-Emitting Materials - adhesives and sealants
- paints and coatings
- composite wood and agrifiber products
- Indoor Chemical & Pollutant Source Control
- Controllability of Systems - thermal comfort
- Thermal Comfort - design and verification

### Innovation & Design Process
- Innovation in design
- LEED Accredited Professional

### Regional Priority
- Development density and community connectivity
- Public transportation access
USU EASTERN CENTRAL INSTRUCTION BUILDING

USU Eastern’s new Central Instruction Building sits at the heart of campus, adjacent and connectd to the historic GearyTheatre. It will provide new instructional space for communication, Criminal justice, music, art, and theatre programs. By so doing, it will allow the college to eliminate inadequate and geographically separate facilities, create efficiencies of operation and campus integration, and modernize instructional services.

- **Square Footage**: 45,000 sq. feet
- **Date of Completion**: October 2015
- **LEED Certification**: SILVER (pending)
- **LEED Credits Achieved**: 61

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**LEED CREDITS ACHIEVED**

<table>
<thead>
<tr>
<th>Sustainable Sights</th>
<th>Water Efficiency</th>
<th>Energy &amp; Atmosphere</th>
<th>Materials &amp; Resources</th>
<th>Indoor Environmental Quality</th>
<th>Innovation &amp; Design Process</th>
<th>Regional Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devel</td>
<td>Wate</td>
<td>Optimize</td>
<td>Construc</td>
<td>Increased</td>
<td>Education</td>
<td></td>
</tr>
</tbody>
</table>
The new Brigham City Academic Building houses classrooms, faculty offices, and student support services. The building is designed with four wings surrounding a large center atrium. Horizontal brickwork and other elements found throughout the design are reflective of the nearby benches created by ancient Lake Boneville. Unique landscaping surrounds the building, creating individual characters in each of the four surrounding courtyards, while a large tree and other plantings inside the atrium bring greenery to the building’s interior.
USU’s new Aggie Recreation Center, or ARC as it has quickly come to be known, is more than just a top-of-the-line recreation and workout facility. It is an artistic representation of the varied and beautiful forms and landscapes of Utah and our surrounding area. Plentiful windows pour natural light and views over playing courts, multiple studios, workout areas, a second level running track, locker rooms, offices and the ORP’s new rental shop and climbing/bouldering area.

**AGGIE RECREATION CENTER**

<table>
<thead>
<tr>
<th>Square Footage</th>
<th>105,561 sq. feet</th>
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<tbody>
<tr>
<td>Date of Completion</td>
<td>November 2015</td>
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<td>LEED Certification</td>
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<td>LEED Credits Achieved</td>
<td>61</td>
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</tbody>
</table>

**LEED CREDITS ACHIEVED**

**Sustainable Sights**
- Site Selection
- Development density and community connectivity
- Alternative Transportation: Public Transportation
- Access
- Bicycle Storage and Changing Rooms
- Low-Emitting and Fuel-Efficient Vehicles
- Parking Capacity
- Stormwater Design: Quantity control
- Heat Island Effect: nonroof
- Heat Island Effect: roof

**Water Efficiency**
- Water Efficient-Landscaping
- Water Use Reduction

**Energy & Atmosphere**
- Optimize Energy Performance
- Enhanced Commissioning
- Enhanced Refrigerant Management

**Materials & Resources**
- Construction Waste-Management
- Recycled Content
- Regional Materials

**Indoor Environmental Quality**
- Outdoor Air Delivery Monitoring
- Increased ventilation
- Construction IAQ Mgmt Plan
- during construction
- Low-Emitting Materials
- - adhesives and sealants
- - paints and coatings
- - flooring systems
- - composite wood and agrifiber products
- Indoor Chemical & Pollutant Source Control
- Controllability of Systems - thermal comfort
- Thermal Comfort - design and verification

**Innovation & Design Process**
- LEED Accredited Professional

**Regional Priority**
- Development density and community connectivity
- Public transportation access
Residing in the beautiful Toole valley, USU’s Science Technology is home to many new high-tech learning spaces. These include a chemistry lab, biology lab, zoology lab, cadaver lab, physiology lab, three multi-purpose rooms, a conference room and various Interactive Video Conference classrooms. The building will also include space to accommodate new programs to be implemented within the next 8 years, including Applied Sciences, Registered Nursing, Industrial Hygiene, Construction Management, Forensic Anthropology, Criminal Justice, and Environmental Sustainability, among others.

28,384 sq. feet
January 2016
SILVER (pending)
LEED Credits Achieved: 39
Huntsman Hall is a student-centered state-of-the-art facility meant to be a place for active learning, interaction, collaboration and teamwork while fostering community within the school. With 21 new classrooms, 29 student study rooms, labs, large, open common spaces, a café, three outdoor areas and, perhaps, the valley’s premier events space, Huntsman Hall resembles state-of-the-art corporate spaces found in the business community.

- **Square Footage**: 125,000 sq. feet
- **Date of Completion**: March 2016
- **LEED Certification**: SILVER (pending)
- **LEED Credits Achieved**: LEED Credits Achieved:

**LEED CREDITS ACHIEVED**

- **Sustainable Sights**: Site Selection
- **Water Efficiency**: Water Efficient-Optimize
- **Energy & Atmosphere**: Materials & Resources, Construction Waste-
- **Indoor Environmental Quality**: Outside Air Delivery Monitoring
- **Innovation & Design Process**: Building
- **Regional Priority**: SSqc2