SUSTAINABLE DESIGN, BS

for the Bachelor of Science in Sustainable Design

Bachelor of Science in Sustainable Design
College of Fine and Applied Arts Office of Undergraduate Affairs
110 Architecture Building
608 East Lorado Taft Drive

Faculty Program Administrator: Dr. Daniel Schneider (ddws@illinois.edu)
Program Administrator: Dr. Nicole Turner (nicturn@illinois.edu)
Program Website: https://faa.illinois.edu/bachelor-science-sustainable-design (https://faa.illinois.edu/bachelor-science-sustainable-design/)
Program Email: sustaindesign@illinois.edu (sustaindesign@illinois.edu)
College Website: https://faa.illinois.edu/

The major in Sustainable Design offers an innovative, interdisciplinary course of study in design, with a focus on building sustainable communities through the intentional design of environmentally sensitive products, buildings, neighborhoods, landscapes and cities.

The program grounds concrete skills development with opportunities to move between disciplinary barriers, allowing students to prepare for the future in a sustainable world where ideas from many disciplines will be necessary to solve the complex problems of pollution reduction, energy conservation, and biodiversity protection in equitable, healthy, and thriving places.

Required introductory coursework provide a solid grounding in design thinking and skills, coupled with a broad understanding of the role of design in achieving sustainable results across scales. Students will apply their skills and knowledge in a required senior capstone project.

With expertise across disciplines, students in this program will be prepared to work in the public and private sector, or continue preparation in a variety of professional graduate programs such as Architecture, Industrial Design, Innovation Design, Landscape Architecture, Urban Design and Urban Planning.

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<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FAA 101</td>
<td>Arts at Illinois</td>
<td>1</td>
</tr>
<tr>
<td>LA 101</td>
<td>Introduction to Landscape Arch</td>
<td>2</td>
</tr>
<tr>
<td>UP 136</td>
<td>Urban Sustainability (Gen Ed: Social &amp; Behav Sci, Social Sciences)</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 171</td>
<td>Concepts and Theories of Architectural Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 211</td>
<td>Design History Survey (Gen Ed: Humanities &amp; the Arts, Language Arts)</td>
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<tr>
<td>ARTD 225</td>
<td>Design Drawing</td>
<td>3</td>
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<tr>
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<tr>
<td>FAA 230</td>
<td>Sustainable Design of the Built Environment</td>
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<tr>
<td>ARTD 326</td>
<td>Sustainability &amp; Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 321</td>
<td>Environment, Architecture, and Global Health</td>
<td>3</td>
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<tr>
<td>ARTD 451</td>
<td>Ethics of a Designer in a Global Economy</td>
<td>4</td>
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<tr>
<td>FAA 330</td>
<td>Making Sustainable Design</td>
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<tr>
<td>ARCH 273</td>
<td>Strategies of Architectural Design</td>
<td>3</td>
</tr>
<tr>
<td>FAA 430</td>
<td>Capstone Seminar</td>
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<tr>
<td>FAA 431</td>
<td>Capstone Studio</td>
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**Total Hours**: 44

### Major Electives

Select 16 credit hours, with at least 10 hours at the 300 or 400-level, and with approval of advisor.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARTD 230</td>
<td>Design Thinking/Need-Finding</td>
<td>3</td>
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<tr>
<td>ARTD 270</td>
<td>Design Methods</td>
<td>2</td>
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<tr>
<td>ART 205</td>
<td>Experience &amp; Meaning in Design (Gen Ed: Social &amp; Beh Sci - Beh Sci + Cultural Studies: Western)</td>
<td>3</td>
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<tr>
<td>ART 208</td>
<td>Digital Art and Sustainability (Gen Ed: Humanities &amp; the Arts- LA)</td>
<td>3</td>
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<tr>
<td>ART 310</td>
<td>Design Thinking (Gen Ed: Humanities &amp; the Arts- LA)</td>
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<tr>
<td>ARTD 426</td>
<td>Product Innovation</td>
<td>3</td>
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<tr>
<td>ARTS 321</td>
<td>Sustainable Fashion Development and Branding</td>
<td>3</td>
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<tr>
<td>UP 203</td>
<td>Cities: Planning &amp; Urban Life</td>
<td>3</td>
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<tr>
<td>UP 204</td>
<td>Chicago: Planning &amp; Urban Life</td>
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<tr>
<td>UP 205</td>
<td>Ecology &amp; Environmental Sustainability (Gen Ed: Natural Sci &amp; Tech)</td>
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<tr>
<td>UP 246</td>
<td>International Environmental Planning and Governance</td>
<td>3</td>
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<tr>
<td>UP 340</td>
<td>Planning for Healthy Cities</td>
<td>3</td>
</tr>
<tr>
<td>UP 405</td>
<td>Watershed Ecology and Planning</td>
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<tr>
<td>UP 406</td>
<td>Urban Ecology</td>
<td>4</td>
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<tr>
<td>UP 418</td>
<td>GIS for Planners</td>
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<tr>
<td>UP 420</td>
<td>Ping for Historic Preservation</td>
<td>4</td>
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<tr>
<td>UP 430</td>
<td>Urban Transportation Planning</td>
<td>4</td>
</tr>
<tr>
<td>UP 434</td>
<td>Pedestrian and Bicycle Planning</td>
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<tr>
<td>UP 437</td>
<td>Public Transportation Planning</td>
<td>3</td>
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<tr>
<td>UP 456</td>
<td>Sustainable Planning Workshop</td>
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<tr>
<td>UP 479</td>
<td>Community Engagement in Planning</td>
<td>3</td>
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<tr>
<td>UP 486</td>
<td>Planning with Climate Change</td>
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<tr>
<td>UP 494</td>
<td>Special Topics in Planning (section SK Food Systems Planning or PC Planning Colloquium)</td>
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<tr>
<td>ARCH 210</td>
<td>Introduction to the History of World Architecture</td>
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<tr>
<td>ARCH 231</td>
<td>Anatomy of Buildings</td>
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<td>ARCH 416</td>
<td>The Architecture of the United States, c.1650 to Present</td>
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<td>ARCH 417</td>
<td>Modern and Contemporary Global Architecture</td>
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<tr>
<td>LA 212</td>
<td>Water and Society (Gen Ed: Humanities &amp; the Arts-HP + Cultural Studies-West)</td>
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<td>LA 222</td>
<td>Islamic Gardens &amp; Architecture (Gen Ed: Humanities &amp; the Arts-HP + Cultural Studies-Non-West)</td>
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<td>History of World Landscapes (Gen Ed: Advanced Composition + Humanities &amp; the Arts-HP + Cultural Studies-West)</td>
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<td>LA 370</td>
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<td>LA 446</td>
<td>Sustainable Planning Seminar</td>
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<td>LA 466</td>
<td>Energy &amp; the Built Environment</td>
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<tr>
<td>LA 480</td>
<td>Sustainable Design Principles</td>
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*Information listed in this catalog is current as of 07/2022*
Other courses approved by advisor

**Total Hours (minimum)** | 16
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td><strong>College or University Electives</strong></td>
<td>Select approximately 26 credit hours with approval of advisor to complete degree requirements.</td>
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**Summary of Credits for Bachelor of Science in Sustainable Design**

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<th>Hours</th>
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<td><strong>General Education requirements</strong></td>
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<tr>
<td><strong>Language Requirements</strong></td>
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<td><strong>Major Requirements</strong></td>
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<td><strong>Major Electives</strong></td>
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<td><strong>College or University Electives</strong></td>
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A minimum of 40 credits at the 300 or 400 course level are required

**Total Hours for Bachelor of Science in Sustainable Design** | 120
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<table>
<thead>
<tr>
<th>First Year</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FAA 101</td>
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<td>LA 101</td>
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<td>UP 136</td>
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<td>ARCH 171</td>
<td>3</td>
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<tr>
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<tr>
<td>FAA 230</td>
<td>3</td>
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<tr>
<td>ARTD 225 or ARCH 172</td>
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<tr>
<td>FAA 330 (must be taken in spring of sophomore or junior year)</td>
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<tr>
<td>ARTH 211</td>
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<tr>
<td>BSSD Major Elective</td>
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<tr>
<td>General Education courses</td>
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<tr>
<td>University Electives/Undergraduate Minor</td>
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<th>Third Year</th>
<th>Hours</th>
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<tr>
<td>ARTD 326</td>
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<td>ARCH 273</td>
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<td>ARCH 321</td>
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<th>Hours</th>
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<td>FAA 430</td>
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<td>ARTD 451</td>
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<td>BSSD Major Electives</td>
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<tr>
<td>General Education courses</td>
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<tr>
<td>University Electives/Undergraduate Minor</td>
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<tr>
<td><strong>Total</strong></td>
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**Total Hours 120**

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