SUSTAINABILITY AND THE BUILT ENVIRONMENT | INTERDISCIPLINARY

The Bachelor of Science in Sustainability and the Built Environment (BSSBE) enables students to explore creative solutions for the planning, design and construction of human structures and settlements.

About this Program

- **College:** Design, Construction and Planning
- **Degree:** Bachelor of Science in Sustainability and the Built Environment
- **Credits for Degree:** 120
- **Specializations:** Interdisciplinary | Geodesign

Additional Information

- **Contact:** Email
- **Related Sustainability and the Built Environment Programs**

To graduate with this major, students must complete all university, college, and major requirements.

Whether it is the redesign and rehabilitation of existing structures or innovative new design, students will be provided a theoretical foundation for seeking sustainable solutions to problems in the built environment. The degree program is supported by the globally recognized expertise in sustainability of the faculty in the College of Design, Construction and Planning and from across campus.

Graduates will have excellent opportunities for work in various green industries, for government agencies involved with regulation and management of the built environment and with nonprofit organizations promoting the principles of sustainability. Additionally students will be prepared to enter graduate school in architecture, building construction, historic preservation, interior design, landscape architecture and urban and regional planning.

Transfer students for either specialization must complete the A.A. degree, MAC 1147 or (MAC 1140 and MAC 1114), STA 2023, and ECO 2013 and ECO 2023 with minimum grades of C. Students must also have a 3.0 minimum overall GPA. Refer to the admissions website for transfer admission information, application deadlines and the online application.

Certain highly qualified students may have the option of pursuing a 4+1 or a 4+2 degree in urban and regional planning, landscape architecture or building construction.

Field trips to broaden and expand students’ educational experiences through study of planning, design, construction, and sustainability projects are required and will be paid for by students.

Coursework for the Major

All students, regardless of specialization, are required to take 53 hours of core courses to develop knowledge of the fundamental concepts for sustainability and the built environment.

Students should meet with an advisor as early as possible in their academic careers to choose their specialization and to plan their course of study.

### Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCN 1582</td>
<td>International Sustainable Development</td>
<td>3</td>
</tr>
<tr>
<td>IDS 2935</td>
<td>Special Topics (Facets of Sustainability)</td>
<td></td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>4</td>
</tr>
<tr>
<td>LAA 2330</td>
<td>Site Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Introduction to Statistics 1</td>
<td>3</td>
</tr>
<tr>
<td>DCP 3210</td>
<td>Sustainable Solutions for the Built Environment</td>
<td>3</td>
</tr>
<tr>
<td>DCP 3220</td>
<td>Social and Cultural Sustainability and the Built Environment</td>
<td>3</td>
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<tr>
<td>DCP 3200</td>
<td>Methods of Inquiry for Sustainability and the Built Environment</td>
<td>3</td>
</tr>
<tr>
<td>DCP 4941</td>
<td>Practicum in Sustainability and the Built Environment</td>
<td>6</td>
</tr>
<tr>
<td>or DCP 4942</td>
<td>Field Experience in Sustainability and the Built Environment</td>
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<tr>
<td>DCP 4290</td>
<td>Capstone Project in Sustainability and the Built Environment</td>
<td>6</td>
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</tbody>
</table>

Total Credits: 38

### Related Sustainability and the Built Environment Programs

- Sustainability and the Built Environment minor

### Interdisciplinary

The interdisciplinary specialization is for students who want a general degree that emphasizes the importance of sustainability for all of the built environment fields.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites may be used for transfer students.

#### Semester 1

- Complete BCN 1582 with minimum grade of C+
- Complete DCP 1003 and LAA 2330 with a minimum grades of C
- Complete MAC 1147 or (MAC 1140 and MAC 1114)
- 2.00 UF GPA required

#### Semester 2

- Complete ARC 1701 or ARC 1720 or BCN 3012 or IND 2100 or IND 2130 or LAA 2710 or URP 4000 with minimum grade of C
- Complete ECO 2023 with minimum grade of C
- 2.50 UF GPA required
Semester 3
- Complete ECO 2013 with minimum grade of C
- Complete STA 2023
- 2.75 UF GPA required

Semester 4
- Complete ENC 3254 with minimum grade of C
- 3.0 UF GPA required

Semester 5
- Complete DCP 3210 with minimum grades of C+
- Complete one: AEB 4126, REL 2104, or REL 3492 with minimum grade of C
- 3.0 UF GPA required

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student’s academic record and scheduling availability of courses. Prerequisites still apply.

Course | Title | Credits
---|---|---
BCN 1582 | International Sustainable Development (Critical Tracking; Gen Ed Social and Behavioral Sciences and International) | 3
ENC 1101 | Expository and Argumentative Writing (Gen Ed Composition) | 3
LAA 2330 | Site Analysis (Critical Tracking) | 3
Select one: | | 3-4
MAC 1147 | Precalculus Algebra and Trigonometry (Critical Tracking; State Core Gen Ed Mathematics) | 3
MAC 1140 | Precalculus Algebra (Critical Tracking; Gen Ed Mathematics) | 3
Elective (1000/2000 level) | | 3
| | 15-16
Semester Two
Select one: | | 3
ARC 1701 | Architectural History 1 (Critical Tracking; Gen Ed Humanities and International) | 3
ARC 1720 | Survey of Architecture History (Critical Tracking; Gen Ed Humanities and International) | 3
BCN 3012 | History of Construction (Critical Tracking; Gen Ed Humanities and International) | 3
IND 2100 | History of Interior Design 1 (Critical Tracking; Gen Ed Humanities) | 3
IND 2130 | History of Interior Design 2 (Critical Tracking; Gen Ed Humanities) | 3
LAA 2710 | History of Landscape Architecture (Critical Tracking; Gen Ed Humanities and International) | 3
URP 4000 | Preview of Urban and Regional Planning (Critical Tracking; Gen Ed Humanities) | 3
DCP 1003 | Creating Our Built Environment (Critical Tracking) | 1
ECO 2023 | Principles of Microeconomics (Critical Tracking; Gen Ed Social and Behavioral Sciences) | 4
IUF 1000 | What is the Good Life (Gen Ed Humanities) | 3
Electives (1000/2000 level) | | 4
| | 16
Semester Three
ECO 2013 | Principles of Macroeconomics (Critical Tracking; State Core Gen Ed Social and Behavioral Sciences) | 3
STA 2023 | Introduction to Statistics 1 (Critical Tracking; Gen Ed Mathematics) | 3
State Core Gen Ed Biological or Physical Sciences | | 3
Electives (1000/2000 level) | | 6
| | 16
Semester Four
ENC 3254 | Professional Writing in the Discipline (State Core Gen Ed Composition) | 3
IDS 4930 | Special Topics in Interdisciplinary Studies (Gen Ed Physical Sciences) | 3
State Core Gen Ed Humanities | | 3
Electives (1000/2000 level) | | 5
| | 14
Semester Five
DCP 3210 | Sustainable Solutions for the Built Environment (Critical Tracking) | 3
Select one ethics or environmental justice course: | | 3
AEB 4126 | Agricultural and Natural Resource Ethics (Critical Tracking) | 3
REL 2104 | Environmental Ethics (Critical Tracking) | 3
REL 3492 | Religion Ethics and Nature (Critical Tracking) | 3
Select one resource economics course: | | 3
AEB 2451 | Economics of Resource Use (Critical Tracking) | 3
AEB 3450 | Introduction to Natural Resource and Environmental Economics (Critical Tracking) | 3
AEB 4283 | International Development Policy (Critical Tracking) | 3
FOR 4664 | Sustainable Ecotourism Development (Critical Tracking) | 3
GEO 2500 | Global and Regional Economies (Critical Tracking) | 3
Approved electives | | 6
| | 16
Semester Six
DCP 3220 | Social and Cultural Sustainability and the Built Environment | 3
Select one ecology for the built environment course: | | 3
EES 4316 | Industrial Ecology | 3
FOR 4090C | Urban Forestry | 3
SW 2007 | The World of Water | 3
SW 2008 | Land and Life | 3
WIS 4203C | Landscape Ecology and Conservation | 3
WIS 4427C | Wildlife Habitat Management | 3
WIS 4523 | Human Dimensions of Natural Resource Conservation | 3
Select one energy and climate change course: | | 3
AG 3501 | Environment, Food and Society | 3
ADM 2520 | Global Sustainable Energy: Past, Present and Future | 3
The Bachelor of Science in Sustainability and the Built Environment requires students to demonstrate an understanding of the relationship between the goals of sustainability and the activities of the built environment disciplines, including architecture, building construction, historic preservation, interior design, landscape architecture and urban and regional planning.
<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy and/or Climate Change (one course)</td>
<td>I, R</td>
<td></td>
</tr>
<tr>
<td>Ethics and Environmental Justice (one course)</td>
<td>I, R</td>
<td></td>
</tr>
<tr>
<td>Resource Economics (one course)</td>
<td>I, R</td>
<td></td>
</tr>
</tbody>
</table>

1 Student chooses from courses listed in semesters 5-7 of the major's semester plan.

**Assessment Types**

- Capstone evaluation
- Final project evaluation