SUSTAINABILITY AND THE BUILT ENVIRONMENT

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
- **Specializations**: Interdisciplinary | Geodesign
- **Credits for Degree**: 120
- **Contact**: Email (advising@dcp.ufl.edu?Subject=Sustainability%20and%20the%20Built%20Environment%20Major)

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

Department Information

The Sustainability and the Built Environment (SBE) Program at the College of Design, Construction and Planning teaches hands-on sustainability by using the university as a learning laboratory.

Website (https://dcp.ufl.edu/sustainability/)

CONTACT

Email (barmagh@ufl.edu) | 352.294.1428

ARCHITECTURE BUILDING

GAINESVILLE FL 32611-5701

Map (http://campusmap.ufl.edu/#/index/0268)

Curriculum

- Sustainability and the Built Environment
- Sustainability and the Built Environment Minor

The Bachelor of Science in Sustainability and the Built Environment (BSSBE) concentrates on sustainability from an interdisciplinary lens that enables students to explore creative solutions for the planning, design, construction, and operations of human structures and settlements. Environmental policies, ethics, ecology, landscape architecture, economics, natural resources, sociology, and anthropology are an integral part of the BSSBE program.

Whether it is planning, 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. This program 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. 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 opportunities for work in various industries, including public, private, and NGOs 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.

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.

TRANSFER STUDENTS

Transfer students must complete their AA degree and these courses with minimum grades of C:

- MAC 1147 or (MAC 1140 and MAC 1114)
- STA 2023
- ECO 2013
- ECO 2023

Transfer 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.

More Info (https://dcp.ufl.edu/admissions/)
Specializations

Geodesign
The geodesign specialization is for students interested in the application of geographic information systems in the sustainable design of the built environment.

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.

Coursework for the Major

All students, regardless of specialization, are required to take 53 credits 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

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>BCN 1582</td>
<td>International Sustainable Development</td>
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<td>IDS 2935</td>
<td>Special Topics (Facets of Sustainability)</td>
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<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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<td>Sustainable Solutions for the Built Environment</td>
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<td>DCP 3220</td>
<td>Social and Cultural Sustainability and the Built Environment</td>
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<td>DCP 3200</td>
<td>Methods of Inquiry for Sustainability and the Built Environment</td>
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<td>DCP 4941</td>
<td>Practicum in Sustainability and the Built Environment</td>
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<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>
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Total Credits: 38

Academic Learning Compact

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.

Before Graduating Students Must

• Complete a capstone or independent research project, present the results to a committee of the program’s faculty, and receive acceptable assessment.
• Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to

Student Learning Outcomes | SLOs

Content
1. Explain sustainability principles.
2. Integrate knowledge and principles from sustainability-related disciplines.
3. Describe the role of the built environment in sustainability.
4. Combine information from multiple sources to solve problems.

Critical Thinking
5. Frame sustainable problems and potential solutions within a global context.
6. Collect and analyze data to solve problems.
7. Produce sustainable solutions for problems of the built environment.
8. Integrate multiple disciplinary, cultural and stakeholder perspectives for sustainable problem solving.

**Communication**
9. Produce an effective oral presentation.
10. Produce effective written communications.
11. Integrate a variety of visual techniques to enhance the communication of ideas and solutions.
12. Solve a built environment sustainability problem in a multidisciplinary team.

**Curriculum Map**

\[ I = Introduced; \ R = Reinforced; \ A = Assessed \]

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**Approved Electives**

1. **Ecology for the Built Environment (one course)**

2. **Energy and/or Climate Change (one course)**

3. **Ethics and Environmental Justice (one course)**

4. **Resource Economics (one course)**

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

**Assessment Types**

- Capstone evaluation
- Final project evaluation