

Cover Sheet: Request 9964

Add Specializations to Bachelor of Sustainability and the Built Environment

Info

Process	Major Curriculum Modify Ugrad/Pro
Status	Pending
Submitter	Carr,Margaret H mcarr@ufl.edu
Created	1/28/2015 10:08:20 AM
Updated	2/6/2015 11:33:24 AM
Description	Request permission to add a Geodesign specialization to the major and rename the existing curriculum as the Interdisciplinary specialization.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	DCP - Design, Construction and Planning 011501000	Carr, Margaret H		1/28/2015
College	Approved	DCP - College of Design, Construction and Planning	Wehle, Andrew J		2/6/2015
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/6/2015
Office of the Registrar					
Student Academic Support System					
Catalog					
Academic Assessment Committee Notified					
College Notified					

Modify the Curriculum of a Major

This process should be used to change the required or elective coursework in a graduate or professional major, or the eight-semester plan or critical tracking in an undergraduate major. To close a major, or to change the total credits, limited access status, major name, delivery platform or funding model, follow the procedures at <http://approval.ufl.edu>. Instructions for completing this form are on the last page.

Major to be Modified

- | | | | |
|------------------------|---|----------------|------|
| 1. Major Name | Sustainability and the Built Environment | 2. Major Code | SBE |
| 3. Degree Program Name | Bachelor of Science in Sustainability and the Built Environment | | |
| 4. Effective Term | Fall | Effective Year | 2015 |

5. Proposed Changes

Addition of a specialization (Geodesign), with existing curriculum also being described as a specialization (Interdisciplinary)

6. Pedagogical Rationale/Justification

There is great interest in the use of Geodesign to advance concepts and principles of sustainability. The Geodesign specialization provides this opportunity.

7. Projected Impact on Initial Enrollment, Retention, Graduation

We expect that the new specialization will attract a population of students not currently enrolled in our major. The course combination proposed for the specialization is not currently available anywhere else at UF.

- Prepare a document showing the catalog copy with the current and proposed curricula either in a side-by-side comparison or edited using the "track changes" feature in Word.
- Prepare supporting documentation from other colleges indicating availability of seats in courses that are affected by the change in credits and support for the proposed application, if overlap is a concern.

Instructions

Please note: this form should be used to request a change in the required or elective coursework in an undergraduate or professional major, or the eight-semester plan or critical tracking in an undergraduate major. To close a major, or to change the total credits, limited access status, major name, delivery platform or funding model, follow the procedures at <http://approval.ufl.edu>.

Major to Be Modified

1. Enter the name of the major. Example: "Mathematical Modeling"
2. Enter the two-letter or three-letter major code.
3. Enter the name of the degree program in which the major is offered.
4. Enter the term (semester and year) that the curriculum change would be effective.

Proposed Changes

5. Describe the proposed changes to the curriculum.

Pedagogical Rationale/Justification

6. Describe the rationale for the proposed changes to the curriculum.

Projected Impact on Initial Enrollment, Retention, Graduation

7. Describe any potential impact of the curriculum changes on students who are currently in the major.

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. Two specializations are offered: the original Interdisciplinary curriculum and the Geodesign curriculum.

About This Major

- **College:** Design, Construction and Planning
- **Degree:** Bachelor of Science in Sustainability and the Built Environment
- **Credits for Degree:** 120
- **Specializations:**
 - [Interdisciplinary Specialization](#)
 - [Geodesign Specialization](#)
- **Minor:** Yes
- **Academic Learning Compact:** Sustainability and the Built Environment
- **Website:** www.dcp.ufl.edu/sustainability

Overview

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.

Core Courses (9 credits / 3 courses) Course Requirements for Both Specializations

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

BCN 1582 International Sustainable Development or IDS 2935 Facets of Sustainability

ECO 2023 Microeconomics

ECO 2013 Macroeconomics

A history course in one of the following: architecture, construction management, interior design, landscape architecture, urban and regional planning

LAA 2330 Site Analysis

STA 2023 Statistics 1

DCP 3210 Sustainable Problem Solving

DCP 3220 Social and Cultural Sustainability

An approved course in ecology and the built environment

An approved course in ethics and/or environmental justice

An approved course in energy and/or climate change

An approved course in resource economics

DCP 3200 Methods of Inquiry for Sustainability and the Built Environment

DCP 4941 SBE Practicum or DCP 4942 SBE Field Experience

DCP 4290 SBE Capstone Project

Take one 2000-level core course from each of the three disciplinary groups:

Humanities

- *— ~~AMH 2631 History of Sustainability~~
- *— ~~CLA 2521 Classical Antiquity and Sustainability~~
- *— ~~REL 2071 Religion and Sustainability~~

Natural Sciences

- *— ~~BSC 2862 Global Change Ecology and Sustainability~~
- *— ~~GLY 2038 Sustainability and the Changing Earth~~

Social Sciences

- *— ~~ANT 2402 Anthropology of Sustainability~~
- *— ~~POS 2032 Politics of Sustainability~~

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Interdisciplinary Specialization Critical Tracking

The Interdisciplinary Specialization is intended for students who want a general degree with an emphasis on the importance of sustainability for all the built environment fields.

Critical Tracking

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

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 or IDS 2154 with minimum grade of C+
- Complete MAC 1147 or (MAC 1140 and MAC 1114)
- ~~Complete ECO 2023 with minimum grade of C~~
- Complete LAA 2330 with minimum grade of C
- 2.00 UF GPA required

Semester 2

- Complete ARC 1701 or BCN 3012 or IND 2100 or IND 2130 or LAA 2710 or URP 4000 with minimum grade of C
- ~~Complete MAC 1147 or (MAC 1140 and MAC 1114)~~
- Complete ECO 2023 with minimum grade of C
- Complete STA 2023
- ~~Complete one core course (from the list above) with minimum grade of C.~~
- 2.50 UF GPA required

~~For semesters 2, 3 and 4, students must choose one core course for a total of three courses (one from each group) to be on track by the end of Semester 4.~~

Semester 3

- Complete ECO 2013 with minimum grade of C
- ~~Complete LAA 2330 with minimum grade of C~~
- ~~Complete STA 2023~~
- ~~Complete one core course (from the list above) with minimum grade of C~~
- 2.75 UF GPA required

Semester 4

- ~~Complete STA 2023~~
- ~~Complete one core course (from the list above) with minimum grade of C~~
- Complete ENC 3254 with minimum grade of C
- 3.0 UF GPA required

Semester 5

- Complete ~~DCP 3200~~ and DCP 3210 with minimum grades of C+
- Complete one: AEB 4126, REL 2104, ~~REL 3103~~, REL 3492, PHM 3032, ~~SYD 3410~~ or SYD 4512 with minimum grade of C
- 3.0 UF GPA required

Recommended Semester Plan

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold.

Semester 1	Credits
BCN 1582 International Sustainable Development (GE-S and N) or IDS 2154 Facets of Sustainability	3
MAC 1147 Precalculus: Algebra and Trigonometry (GE-M) or MAC 1140 Algebra and MAC 1114 Trigonometry (GE-M)	3-4
ECO 2023 Principles of Microeconomics (GE-S)	4
LAA 2330 Site Analysis	3
HUM 2305 What is the Good Life (GE-H)	3
Composition (GE-C)	3
Physical or Biological Science (GE-P or B)	3
Total	15 -16
Semester 2	Credits
History of a Built Environment: ARC 1701 Architectural History 1 (GE-H and N) or ARC 1720 Survey of Architectural History (GE-H and N) or BCN 3012 History of Construction (GE-H and N) or IND 2100 History of Interior Design 1 (GE-H) or IND 2130 History of Interior Design 2 (GE-H) or LAA 2710 History of Landscape Architecture (GE-H and N) or URP 4000 Preview of Urban and Regional Planning (GE-H)	3
MAC 1147 Precalculus: Algebra and Trigonometry (GE-M) or MAC 1140 Algebra and MAC 1114 Trigonometry (GE-M)	3-4
ECO 2023 Principles of Microeconomics (GE-S)	4
STA 2023 Introduction to Statistics (GE-M)	3
ECO 2023 Principles of Microeconomics (GE-S)	4
Core course <u>Elective, 1000/2000 level</u>	4
Total	12 -14
Semester 3	Credits
ECO 2013 Principles of Macroeconomics (GE-S)	4

<u>IDS 4930 Informed Life, People & Data (GE-S)</u>	<u>3</u>
<u>State-mandated Physical or Biological Science (GE-P or B)</u>	<u>3</u>
LAA 2330 Site Analysis	3
Core course	3
Elective, 1000/2000 level	6
Total	16
Semester 4	Credits
STA 2023 Introduction to Statistics (GE-M) <u>ENC 3254 Writing for Design and Planning (GE-C)</u>	3
Core course	3
Physical or Biological Science <u>IDS 4930 Climate Change Science and Solutions (GE-P or B)</u>	3
<u>State mandated Humanities (GE-H)</u>	<u>3</u>
Elective, 1000/2000 level	6 7
Total	15 6
Semester 5	Credits
DCP 3200 Methods of Inquiry for Sustainability and the Built Environment	3
DCP 3210 Sustainable Solutions for the Built Environment	3
Ethics and/or Environmental Justice: AEB 4126 Agricultural and Natural Resources Ethics (GE-H or S) or PHM 3032 Ethics and Ecology (GE-H) or REL 2104 Environmental Ethics (GE-H) or REL 3403 Religion and Nature in North America (GE-H) or REL 3492 Religion, Ethics and Nature (GE-H) or SYD 3410 Urban Sociology or SYD 4512 Environment and Society	3
<u>Resource Economics:</u> <u>AEB 2014 Economic Issues, Food and You (GE-S) or</u>	<u>3</u>

<u>AEB 2451 Economics of Resource Use (GE-S) or</u> <u>AEB 3103 Principles of Food and Resource Economics (4) (GE-S) or</u> <u>AEB 3281 Agricultural Macroeconomics or</u> <u>AEB 3450 Introduction to Natural Resource and Environmental Economics or</u> <u>AEB 4283 International Development Policy (GE-S) or</u> <u>FOR 4664 Sustainable Ecotourism Development or</u> <u>GEO 2500 Global and Regional Economies (GE-S) or</u> <u>GEO 3502 Economic Geography (GE-S) or</u> <u>GEO 3602 Urban and Business Geography (GE-S) or</u> <u>SYO 4352 Consumption, Economy and Society (GE-S)</u>	
Approved electives *	6
Total	15
Semester 6	Credits
DCP 3220 Social and Cultural Sustainability and the Built Environment	3
Ecology for the Built Environment: EES 4103 Applied Ecology (2) or EES 4316 Industrial Ecology or EVR 3323 Introduction to Ecosystem Restoration (4) or FOR 2662 Forests of the World or FOR 3153C Forest Ecology or FOR 4090C Urban Forestry or GEO 3352 The Human Footprint on Landscape or PCB 3601C Plant Ecology or SWS 2007 The World of Water (GE-P) or SWS 2008 Land and Life (GE-B) or SWS 3022 Introduction to Soils in the Environment (GE-P) or SWS 4231C Soil, Water and Land Use (GE-P) or WIS 2552 Biodiversity Conservation: Global Perspectives (GE-B and N) or WIS 4203C Introduction to Landscape Ecology or WIS 4427C Wildlife Habitat Management or WIS 4523 Human Dimensions of Natural Resource Conservation or WIS 4554 Conservation Biology	3
Energy and/or Climate Change: AGG 3501 Environment, Food and Society (GE-B) or AOM 2520 Global Sustainable Energy: Past, Present and Future or ARC 3610 Environmental Technology 1 or ARC 4620 Environmental Technology 2 or GEO 3250 Climatology (GE-P) or GLY 3074 Oceans and Global Climate Change (GE-P) or LAA 4260 Water Conservation Through Site Design and Green Roofs	3
Approved electives *	6
Total	15
Semester 7	Credits

Practicum in Sustainability: DCP 4941 Practicum or DCP 4942 Field Experience	6
<u>DCP 3200 Methods of Inquiry for Sustainability and the Built Environment</u>	<u>3</u>
Resource Economics: AEB 2014 Economic Issues, Food and You (GE-S) or AEB 2451 Economics of Resource Use (GE-S) or AEB 3103 Principles of Food and Resource Economics (4) (GE-S) or AEB 3284 Agricultural Macroeconomics or AEB 3450 Introduction to Natural Resource and Environmental Economics or AEB 4283 International Development Policy (GE-S) or FOR 4664 Sustainable Ecotourism Development or GEO 2500 Global and Regional Economics (GE-S) or GEO 3502 Economic Geography (GE-S) or GEO 3602 Urban and Business Geography (GE-S) or SYO 4352 Consumption, Economy and Society (GE-S)	3
Approved elective *	3
Elective, 3000/4000 level **	3
Total	15

Semester 8	Credits
Sustainability Capstone: DCP 4290 Sustainability Capstone Project or DCP 4910 Individual Research Project	6
Approved electives *	6
Elective, 3000/4000 level **	3
Total	15

* Approved electives: Any 3000/4000-level course in the College of DCP not otherwise required. Additional courses that also fulfill this requirement:

~~AEB 2014~~, AEB 2451, ~~AEB 3103~~, ~~AEB 3284~~, AEB 3450, AEB 4126, AEB 4283,
AGG 3501, AGR 4268C, ANT 4403, AOM 2520, ARC 2304, EES 3000, EES 4050,
EES 4316, EMA 6938, ENV 4612, ~~EVR 3323~~, ~~FNR 4660C~~, ~~FOR 2662~~, FOR 3004,
~~FOR 3153C~~, FOR 4060, FOR 4090C, ~~FOR 4664~~, GEO 2500, ~~GEO 3250~~, ~~GEO 3352~~, GEO 3372, ~~GEO 3502~~, ~~GEO 3602~~, ~~GLY 3074~~, IND 2214, LAA 2360C, ~~PCB 4103~~, ~~PCB 3601C~~, PHM 3032, ~~REL 2104~~,
~~REL 3103~~, REL 3492, ~~SWS 2007~~, SWS 2008, ~~SWS 3022~~, ~~SWS 4231C~~, ~~SYD 3410~~, SYD 4512,
~~SYO 4352~~, ~~WIS 2552~~, WIS 4203C, WIS 4427C, WIS 4523, ~~WIS 4554~~.

** Upper-division electives: Any 3000/4000-level course not otherwise required.

Geodesign Specialization

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

Critical Tracking

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

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 or IDS 2154 with minimum grade of C
- Complete LAA 2330 with minimum grade of C
- Complete SLP 1xxx with minimum grade of C
- 2.00 UF GPA required

Semester 2

- Complete ARC 1701 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
- Complete SLP 1xxx with minimum grade of C.
- 2.50 UF GPA required

Semester 3

- Complete ECO 2013 with minimum grade of C
- Complete SLP 2xxx with minimum grade of C
- 2.75 UF GPA required

Semester 4

- Complete SLP 2xxx with minimum grade of C
- Complete ENC 3254 with minimum grade of C
- 3.0 UF GPA required

Semester 5

- Complete DCP 3210 with minimum grade of C
- GEO 3162C with minimum grade of C
- 3.0 UF GPA required

Recommended Semester Plan

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold.

Semester 1	Credits
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<u>BCN 1582 International Sustainable Development (GE-S and N) or IDS 2154 Facets of Sustainability</u>	<u>3</u>
<u>LAA 2330 Site Analysis</u>	<u>3</u>
<u>SLP 1xxx Geodesign Colloquium</u>	<u>1</u>
MAC 1147 Precalculus: Algebra and Trigonometry (GE-M) or MAC 1140 Algebra and MAC 1114 Trigonometry (GE-M)	3-4
<u>HUM 2305 What is the Good Life (GE-H)</u>	<u>3</u>
Total	13-14

<u>Semester 2</u>	<u>Credits</u>
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<u>History of a Built Environment:</u> <u>ARC 1701 Architectural History 1 (GE-H and N) or</u> <u>ARC 1720 Survey of Architectural History (GE-H and N) or</u> <u>BCN 3012 History of Construction (GE-H and N) or</u> <u>IND 2100 History of Interior Design 1 (GE-H) or</u> <u>IND 2130 History of Interior Design 2 (GE-H) or</u> <u>LAA 2710 History of Landscape Architecture (GE-H and N) or</u> <u>URP 4000 Preview of Urban and Regional Planning (GE-H)</u>	<u>3</u>
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<u>IDS 4930 Informed Life, People and Data</u>	<u>3</u>
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<u>STA 2023 Statistics 1</u>	<u>4</u>
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<u>SLP 1xxx Intro to Spatial Thinking</u>	<u>3</u>
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<u>ECO 2023 Microeconomics</u>	<u>3</u>
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Total 16

<u>Semester 3</u>	<u>Credits</u>
<u>ECO 2013 Principles of Macroeconomics (GE-S)</u>	<u>4</u>
<u>ENC 1101 Composition (GE-C)</u>	<u>3</u>
<u>SLP 2xxx GIS I</u>	<u>3</u>
<u>IDS 4930 Climate Change Science & Solutions (GE-P)</u>	<u>3</u>
<u>GEO 2200 Physical Geography (GE-P)</u>	<u>3</u>
Total	16
<u>Semester 4</u>	<u>Credits</u>

<u>SLP 2xxx GIS II</u>	<u>3</u>
<u>ENC 3254 Writing for Design and Planning (GE-C)</u>	<u>3</u>
<u>State-mandated Physical or Biological Science (GE-P or B)</u>	<u>3</u>
<u>State-mandated Humanities (GE-H)</u>	<u>3</u>
<u>Elective, 1000/2000 level</u>	<u>3</u>
<u>Total</u>	<u>15</u>
<u>Semester 5</u>	<u>Credits</u>
<u>DCP 3210 Sustainable Solutions for the Built Environment</u>	<u>3</u>
<u>Resource Economics:</u> <u>AEB 2014 Economic Issues, Food and You (GE-S) or</u> <u>AEB 2451 Economics of Resource Use (GE-S) or</u> <u>AEB 3103 Principles of Food and Resource Economics (4) (GE-S) or</u> <u>AEB 3281 Agricultural Macroeconomics or</u> <u>AEB 3450 Introduction to Natural Resource and Environmental Economics or</u> <u>AEB 4283 International Development Policy (GE-S) or</u> <u>FOR 4664 Sustainable Ecotourism Development or</u> <u>GEO 2500 Global and Regional Economies (GE-S) or</u> <u>GEO 3502 Economic Geography (GE-S) or</u> <u>GEO 3602 Urban and Business Geography (GE-S) or</u> <u>SYO 4352 Consumption, Economy and Society (GE-S)</u>	<u>3</u>
<u>Ethics and/or Environmental Justice:</u> <u>AEB 4126 Agricultural and Natural Resources Ethics (GE-H or S) or</u> <u>PHM 3032 Ethics and Ecology (GE-H) or</u> <u>REL 2104 Environmental Ethics (GE-H) or</u> <u>REL 3103 Religion and Nature in North America (GE-H) or</u> <u>REL 3492 Religion, Ethics and Nature (GE-H) or</u> <u>SYD 3410 Urban Sociology or</u> <u>SYD 4512 Environment and Society</u>	<u>3</u>
<u>GEO 3162C Introduction to Spatial Statistics</u>	<u>4</u>
<u>URP 4xxx 3D Modeling, Visualization and Simulation</u>	<u>3</u>
<u>Total</u>	<u>16</u>
<u>Semester 6</u>	<u>Credits</u>

<u>DCP 3220 Social and Cultural Sustainability and the Built Environment</u>	<u>3</u>
<u>Ecology for the Built Environment:</u> <u>EES 4103 Applied Ecology (2) or</u> <u>EES 4316 Industrial Ecology or</u> <u>EVR 3323 Introduction to Ecosystem Restoration (4) or</u> <u>FOR 2662 Forests of the World or</u> <u>FOR 3153C Forest Ecology or</u> <u>FOR 4090C Urban Forestry or</u> <u>GEO 3352 The Human Footprint on Landscape or</u> <u>PCB 3601C Plant Ecology or</u> <u>SWS 2007 The World of Water (GE-P) or</u> <u>SWS 2008 Land and Life (GE-B) or</u> <u>SWS 3022 Introduction to Soils in the Environment (GE-P) or</u> <u>SWS 4231C Soil, Water and Land Use (GE-P) or</u> <u>WIS 2552 Biodiversity Conservation: Global Perspectives (GE-B and N) or</u> <u>WIS 4203C Introduction to Landscape Ecology or</u> <u>WIS 4427C Wildlife Habitat Management or</u> <u>WIS 4523 Human Dimensions of Natural Resource Conservation or</u> <u>WIS 4554 Conservation Biology</u>	<u>3</u>
<u>GEO 4167C Intermediate Spatial Statistics</u>	<u>3</u>
<u>SLP 4xxx Geodesign Practicum 1</u>	<u>6</u>
<u>Total</u>	<u>15</u>
<u>Semester 7</u>	<u>Credits</u>
<u>SLP 4xxx Geodesign Practicum II</u>	<u>6</u>
<u>DCP 3200 Methods of Inquiry for Sustainability and the Built Environment</u>	<u>3</u>
<u>Energy and/or Climate Change:</u> <u>AGG 3501 Environment, Food and Society (GE-B) or</u> <u>AOM 2520 Global Sustainable Energy: Past, Present and Future or</u> <u>ARC 3610 Environmental Technology 1 or</u> <u>ARC 4620 Environmental Technology 2 or</u> <u>GEO 3250 Climatology (GE-P) or</u> <u>GLY 3074 Oceans and Global Climate Change (GE-P) or</u> <u>LAA 4260 Water Conservation Through Site Design and Green Roofs</u>	<u>3</u>
<u>Elective, 3000/4000 level **</u>	<u>3</u>
<u>Total</u>	<u>15</u>
<u>Semester 8</u>	<u>Credits</u>

<u>Sustainability Capstone:</u> <u>DCP 4290 Sustainability Capstone Project or</u>	<u>6</u>
<u>Approved electives *</u>	<u>5</u>
<u>Elective, 3000/4000 level **</u>	<u>3</u>
<u>Total</u>	<u>14</u>

* Approved electives: Any 3000/4000-level course in the College of DCP not otherwise required. Additional courses that also fulfill this requirement:

AEB 2451, , AEB 3450, AEB 4126, AEB 4283,

AGG 3501, AGR 4268C, ANT 4403, AOM 2520, ARC 2304, EES 3000, EES 4050,

EES 4316, EMA 6938, ENV 4612, FNR 4660C, , FOR 3004, FOR 4060, FOR 4090C, FOR 4664, GEO 2500, , GEO 3372, , IND 2214, LAA 2360C, PCB 4103, PHM 3032, REL 2104, REL 3492, SWS 2007, SWS 2008, , SYD 4512,

WIS 4203C, WIS 4427C, WIS 4523,.

** Upper-division electives: Any 3000/4000-level course not otherwise required.

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SUSTAINABILITY & THE BUILT ENVIRONMENT

120 Credit Hour Program

First Year Fall

BCN 1582 Int. Sustain Dev. OR
IDS 2935 Facets of Sustainability
3 Credits

LAA 2330 Site Analysis
3 Credits

MAC1147 Precalculus Math OR
MAC1140 Precalculus Algebra
and MAC1114 Trigonometry
3-4 credits (GE-M)

HUM 2305 What is the Good Life?
3 Credits (GE-H)

ENC 1101 Composition
3 Credits (GE-C)

Total Credits - 15-16

First Year Spring

ECO 2023 Microeconomics
4 Credits (GE-S)

Select from History of Built Env.*
3 Credits (GE-H)

STA 2023 Statistics 1
3 Credits (GE-M)

Lower Division Elective
4 Credits

Total Credits - 14

Second Year Fall

ECO 2013 Macroeconomics
4 Credits (GE-S)

IDS 4930 Informed Life, People & Data
3 Credits (GE-S)

State mandated course
3 Credits (GE-P/B)

Lower Division Electives
3 Credits

Lower Division Electives
3 Credits

Total Credits - 16

Second Year Spring

ENC 3254 Writing for Design and Planning
3 Credits (GE-C)

IDS 4930 Climate Change Science & Soltns
3 Credits (GE-P/B)

State mandated course
3 Credits (GE-H)

Lower Division Elective
3 Credits

Lower Division Elective
3 Credits

Total Credits - 15

Third Year Fall

DCP 3210 Sustainable Prob Solving
3 Credits

Select from Resource Economics*
3 Credits

Select from Ethics and/or Env. Justice*
3 Credits

Approved Elective*
3 Credits

Approved Elective*
3 Credits

Total Credits - 15

Third Year Spring

DCP 3220 Social & Cultural Sustainability
3 Credits

Select from Ecology & Built Env.*
3 Credits

Select from Energy and/or Climate Chg.*
3 Credits

Approved Elective*
3 Credits

Approved Elective*
3 Credits

Total Credits - 15

Fourth Year Fall

DCP 4941 Practicum
OR
DCP 4942 Field Experience
6 Credits

DCP 3200 Methods of Inquiry
3 Credits

Approved Elective*
3 Credits

Free Electives 3000/4000
3 Credits

Total Credits - 15

Fourth Year Spring

DCP 4290 Capstone Project
OR
DCP 4910 Ind. Research
6 Credits

Approved Electives*
3 Credits

Approved Electives*
3 Credits

Free Electives 3000/4000
3 Credits

Total Credits - 15

*Please refer to undergraduate catalog for further details <http://www.dcp.ufl.edu/bssbe>

General Education Requirements

Mathematics	MAC 1147 Precalculus and STA 2023 Statistics 1	6 or 7
Composition	ENC 1101 Comp 1 and ENC 3254 Writing for Design and Planning	6
Humanities	HUM 2305 What is the Good Life?, State-mandated GE-H, History of Built Environment	9
Social Science	ECO 2013 Prin of Macroeconomics, ECO 2023 Prin of Microeconomics, UF's Big Data course	11
Natural Science	State-mandated GE-B/P, UF's Climate Change course	6

SUSTAINABILITY & THE BUILT ENVIRONMENT - GEODESIGN SPECIALIZATION

120 Credit Hour Program

First Year Fall

BCN 1582 Int. Sustain Dev. OR
IDS 2935 Facets of Sustainability
3 Credits

LAA 2330 Site Analysis
3 Credits

SLP 1xxx Geodesign Colloquium
1 Credit

MAC1147 Precalculus Math OR
MAC1140 Precalculus Algebra
and MAC1114 Trigonometry OR
MAC 2233 Survey of Calculus 1
3-4 credits (GE-M)

Hum 2305 What is the Good Life?
3 Credits (GE-H)

Total Credits - 13-14

First Year Spring

Select from History of Built Env.
3 Credits (GE-H)

IDS 4930 Informed Life, People and Data
3 Credits (GE-S)

STA 2023 Statistics 1
3 Credits (GE-M)

ECO 2023 Microeconomics
4 Credits (GE-S)

SLP 1xxx Intro to Spatial Thinking
3 Credit

Total Credits - 16

Color Scheme:
GeoDesign

Second Year Fall

ECO 2013 Macroeconomics
4 Credits (GE-S)

ENC 1101 Composition
3 Credits (GE-C)

SLP 2xxx GIS I
3 Credits

IDS 4930 Climate Change Science & Soltns
3 Credits (GE-P/B)

GEO 2200 Physical Geography
3 Credits (GE-P)

Total Credits - 16

Second Year Spring

SLP 2xxx GIS II
3 Credits

ENC 3254 Writing for Design and Planning
3 credits (GE-C)

State mandated course
3 Credits (GE-H)

State mandated course
3 Credits (GE-P/B)

Lower Division Elective
3 Credits

Total Credits - 15

Sustainability

Third Year Fall

DCP 3210 Sustainable Prob Solving
3 Credits

Select from Resource Economics*
3 Credits

Select from Ethics and/or Env. Justice*
3 Credits

GEO 3162C Introduction to Spatial Statistics
4 Credits

URP 4xxx 3D Modeling, Visualization & Simlutn
3 Credits

Total Credits - 16

Third Year Spring

DCP 3220 Social & Cultural Sustainability
3 Credits

Select from Ecology & Built Env.*
3 Credits

GEO 4167C Intermediate Spatial Statistics
3 Credits

SLP 4xxx Geodesign Practicum 1
6 Credits

Total Credits - 15

Both

Fourth Year Fall

SLP 4xxx Geodesign Practicum II
6 Credits

DCP 3200 Methods of Inquiry
3 Credits

Select from Energy and/or Climate Chg.*
3 Credits

Free Elective 3000/4000
3 Credits

Total Credits - 15

Fourth Year Spring

DCP 4290 Capstone Project
6 Credits (ALL SLAP faculty)

Approved Elective
2 Credits

Approved Elective
3 Credits

Free Elective 3000/4000
3 Credits

Total Credits 14

Total Credits 120 - 121