

# Cover Sheet: Request 11935

## Curriculum Modification for BSSBE Geodesign Specialization

### Info

Process	Specialization New/Modify/Close Ugrad
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Margaret Carr mcarr@ufl.edu
Created	10/17/2017 4:33:09 PM
Updated	12/21/2017 10:49:03 AM
Description of request	<p>Four changes are proposed for the BSSBE Geodesign Specialization:</p> <ol style="list-style-type: none"> <li>1) We request that DCP 1010 Geodesign Colloquium be added as a critical tracking course.</li> <li>2) We ask that the 1 credit course, DCP 1xxx Creating Our Built Environment be added in the 1st semester and that the elective credit in the 3rd semester be reduced from 2 to 1. This course is being separately submitted for approval by Associate Dean Abdol Chini.</li> <li>3) Elective credits are adjusted such that the total credit hours in lower division and upper division both total 60.</li> <li>4) We ask for the following changes in the upper division courses. <ol style="list-style-type: none"> <li>a. Move URP 4230 3D Modeling, Visualization and Simulation from Semester 5 to Semester 6.</li> <li>b. Add URP 4xxx Automation for Geospatial Modeling and Analysis to Semester 5. This course is being separately submitted for approval.</li> <li>c. Move DCP 4930 Geodesign Practicum 1 from Semester 6 to Semester 7 and correct the course number from 4930 to 4945.</li> <li>d. Remove GEO4167C from Semester 6.</li> <li>e. Add 6 credits of approved electives to Semester 6.</li> <li>f. Remove DCP 4930 Geodesign Practicum 2 from Semester 7.</li> <li>g. Reduce approved elective credit in Semester 8 from 6 to 5.</li> </ol> </li> </ol>

### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	DCP - Design, Construction and Planning 011501000	Margaret Carr	The Faculty Oversight Committee for the Program in Sustainability and the Built Environment has reviewed and approved these curriculum modifications.	10/17/2017
No document changes					
College	Recycled	DCP - College of Design, Construction and Planning	Margaret Carr	Please make the changes suggested by the DCP curriculum committee.	12/6/2017
Geodesign Specialization Curriculum Changes Catalog Language w changes tracked - 3.docx					11/19/2017
Department	Approved	DCP - Design, Construction and Planning 011501000	Margaret Carr		12/7/2017
Description of Proposed Curriculum Changes BSSBE Geodesign Specialization.docx					12/7/2017
College	Approved	DCP - College of Design, Construction and Planning	Margaret Carr		12/21/2017
No document changes					

Step	Status	Group	User	Comment	Updated
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			12/21/2017
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

# Specialization|Modify for request 11935

## Info

**Request:** Curriculum Modification for BSSBE Geodesign Specialization

**Description of request:** Four changes are proposed for the BSSBE Geodesign Specialization:

- 1) We request that DCP 1010 Geodesign Colloquium be added as a critical tracking course.
- 2) We ask that the 1 credit course, DCP 1xxx Creating Our Built Environment be added in the 1st semester and that the elective credit in the 3rd semester be reduced from 2 to 1. This course is being separately submitted for approval by Associate Dean Abdol Chini.
- 3) Elective credits are adjusted such that the total credit hours in lower division and upper division both total 60.
- 4) We ask for the following changes in the upper division courses.
  - a. Move URP 4230 3D Modeling, Visualization and Simulation from Semester 5 to Semester 6.
  - b. Add URP 4xxx Automation for Geospatial Modeling and Analysis to Semester 5. This course is being separately submitted for approval.
  - c. Move DCP 4930 Geodesign Practicum 1 from Semester 6 to Semester 7 and correct the course number from 4930 to 4945.
  - d. Remove GEO4167C from Semester 6.
  - e. Add 6 credits of approved electives to Semester 6.
  - f. Remove DCP 4930 Geodesign Practicum 2 from Semester 7.
  - g. Reduce approved elective credit in Semester 8 from 6 to 5.

**Submitter:** Margaret Carr mcarr@ufl.edu

**Created:** 10/6/2017 12:25:16 PM

**Form version:** 1

## Responses

**Specialization Name** Geodesign

**Specialization Code** GEO

**Effective Term** Earliest Available

**Effective Year** Earliest Available

**Is this an Undergraduate Innovation Academy Program**No

**Current Curriculum for Specialization**Please refer to uploaded description and track changes catalog copy.

**Proposed Changes**Please refer to uploaded description and track changes catalog copy.

**Pedagogical Rationale/Justification** These changes will accomplish four objectives:

- 1) they make the requirements for a practicum (hands on 6 credit course) in both specializationis comparable. Currently the Geodesign specialization requires 12 credit hours of this type of course work, whilte the Interdisciplinary Specialization requires 6.
- 2) It balances the total credit hours required in lower division and upper division at 60.
- 3) It provides more opportunity for elective coursework in the Geodesign Specialization, making it more comparable to the Specialization.
- 4) It corrects the course number for Geodesign Practicum 1.

**Impact on Other Programs** No longer will GEO 4167C Intermediate Quantitative Analysis for Geographers be required. Students may still take the course as an elective. This has the potential to reduce demand for this course, but it is difficult to predict student behavior at this point.

**Assessment Data Review**The student learning outcomes for the major are not affected by the proposed changes to this specialization.

**Academic Learning Compact and Academic Assessment Plan**There are no changes proposed to the ALC or SLOs related to this curriculum change for the specialization.

Description of Proposed Curriculum Changes  
Geodesign Specialization  
Bachelor of Science in Sustainability and the Built Environment  
Fall 2017

The following changes are proposed for the BSSBE Geodesign Specialization:

Semester 1

- 1) We request that DCP 1010 Geodesign Colloquium be added as a critical tracking course.
- 2) We ask that the 1 credit course, DCP 1xxx Creating Our Built Environment be added. This course is being separately submitted for approval by Associate Dean Abdol Chini.
- 3) We propose to require BCN 1582 International Sustainable Development, eliminating the option to take IDS 2154 Facets of Sustainability. BCN 1582 provides 3 credits of GE-S. This option will also be removed from critical tracking.
- 4) The credit hours for **MAC 1147 Precalculus: Algebra and Trigonometry** (*State Core GE-M*) or **MAC 1140 Algebra and MAC 1114 Trigonometry** (*GE-M*) should be corrected to 4-5.

Semester 2

- 5) We ask to replace IDS 4930 People and Data with a Lower Division Elective

Semester 3

- 6) We ask that the elective credit be reduced from 2 to 1.

Semester 4

- 7) IDS 4930 Climate Change Science and Solutions is added in lieu of a lower division elective.

Semester 5

- 8) URP 4930 3D Modeling, Visualization and Simulation is moved to Semester 6.
- 9) Add URP 4xxx Automation for Geospatial Modeling and Analysis. This course is being separately submitted for approval.

Semester 6

- 10) Add URP 4230 3D Modeling, Visualization and Simulation.
- 11) Remove GEO4167C Intermediate Quantitative Analysis for Geographers.
- 12) Move DCP 4930 Geodesign Practicum 1 from Semester 6 to Semester 7, correct the course number from 4930 to 4945 and change the credit hours from 6 to 5. A syllabus reflecting this change is being submitted separately.
- 13) Add Approved Elective – 6 credits.

Semester 7

14) Add DCP 4945 Geodesign Practicum 1 for 5 credits.

15) Remove Energy and Climate Change requirement.

16) Add Approved Elective – 3 credits.

## Sustainability and the Built Environment

### Geodesign Specialization

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

### Critical Tracking

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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 MAC 1147 or (MAC 1140 and MAC 1114)
- Complete DCP 1010 Geodesign Colloquium with minimum grade of C
- 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 DCP 2001 with minimum grade of C
- Complete ECO 2013 with minimum grade of C
- Complete STA 2023
- 2.75 UF GPA required

#### Semester 4

- Complete DCP 2002 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 grades of C+
- Complete one: AEB 4126, REL 2104, or REL 3492 with minimum grade of C
- Complete GEO 3162C with minimum grade of C
- 3.0 UF GPA required

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**Model Semester Plan**

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.*

Semester 1	Credits
<b>BCN 1582 International Sustainable Development</b> ( <i>GE-S and N</i> ) <del>or</del> <b>IDS 2154 Facets of Sustainability</b>	<b>3</b>
<b>DCP 1010 Geodesign Colloquium</b>	<b>1</b>
<u>DCP 1xxx Creating Our Built Environment</u>	<u>1</u>
IUF 1000 What is the Good Life <i>GE-H</i>	3
<b>LAA 2330 Site Analysis</b>	<b>3</b>
<b>MAC 1147 Precalculus: Algebra and Trigonometry</b> ( <i>State Core GE-M</i> ) <del>or</del> <b>MAC 1140 Algebra and MAC 1114 Trigonometry</b> ( <i>GE-M</i> )	<b><del>43</del>54</b>

Total ~~15-16~~13-14

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Semester 2	Credits
History of a Built Environment <b>ARC 1701 Architectural History 1</b> ( <i>GE-H and N</i> ) or <b>ARC 1720 Survey of Architectural History</b> ( <i>GE-H and N</i> ) or <b>BCN 3012 History of Construction</b> ( <i>GE-H and N</i> ) or <b>IND 2100 History of Interior Design 1</b> ( <i>GE-H</i> ) or <b>IND 2130 History of Interior Design 2</b> ( <i>GE-H</i> ) or <b>LAA 2710 History of Landscape Architecture</b> ( <i>GE-H and N</i> ) or <b>URP 4000 Preview of Urban and Regional Planning</b> ( <i>GE-H</i> )	3
DCP 1241 Introduction to Spatial Thinking	3
<b>ECO 2023 Principles of Microeconomics</b> <i>GE-S</i>	4
ENC 1101 Expository and Argumentative Writing <i>GE-C</i>	3
<del>IDS 4930 People and Data</del> <u>Lower Division Elective</u>	3
Total 16	

Semester 3	Credits
DCP 2001 Introduction to GIS I	3
<b>ECO 2013 Principles of Macroeconomics</b> <i>State Core GE-S</i>	4



GEO 2200 Physical Geography <i>GE- P</i>	3
<b>STA 2023 Introduction to Statistics</b> <i>GE-M</i>	<b>3</b>
Elective <i>1000/2000 level</i>	<del>12</del>
Total	<del>14</del> 5

Semester 4	Credits
DCP 2002 Introduction to GIS II	3
ENC 3254 Professional Writing in the Discipline <i>State Core GE-C</i>	3
Humanities <i>State Core GE-H</i>	3
Biological or Physical Science <i>State Core GE-B or P</i>	3
<del>Elective</del> IDS 4930 Climate Change Science and Solutions <del>1000/2000 level</del> <u><i>GE-P</i></u>	3

	Total	15
Semester 5		Credits
DCP 3210 Sustainable Solutions for the Built Environment		3
Ethics and/or Environmental Justice AEB 4126 Agricultural and Natural Resources Ethics <i>or</i> REL 2104 Environmental Ethics <i>or</i> REL 3492 Religion, Ethics and Nature		3
GEO 3162C Introduction to Quantitative Analysis for Geographers		4
Resource Economics AEB 2451 Economics of Resource Use <i>or</i> AEB 3450 Introduction to Natural Resource and Environmental Economics <i>or</i> AEB 4283 International Development Policy <i>or</i> FOR 4664 Sustainable Ecotourism Development <i>or</i> GEO 2500 Global and Regional Economies <i>or</i> SYD 4512 Social Institutions and Environment		3
<u>URP 4xxx Automation for Geospatial Modeling and Analysis</u>		<u>3</u>
<del>URP 4230 3D Modeling, Visualization, and Simulation</del>		<del>3</del>
	Total	16
Semester 6		Credits

DCP 3220 Social and Cultural Sustainability and the Built Environment	3
<del>DCP 4930 Geodesign Practicum I</del>	<del>6</del>
<b>Ecology for the Built Environment</b> EES 4316 Industrial Ecology <i>or</i> FOR 4090C Urban Forestry <i>or</i> SWS 2007 The World of Water <i>or</i> SWS 2008 Land and Life <i>or</i> WIS 4203C Introduction to Landscape Ecology <i>or</i> WIS 4427C Wildlife Habitat Management <i>or</i> WIS 4523 Human Dimensions of Natural Resource Conservation	3
<u>URP 4230 3D Modeling, Visualization, and Simulation</u>	<u>3</u>
<del>GEO 4167C Intermediate Quantitative Analysis for Geographers</del>	<del>3</del>
<u>Approved Elective</u>	<u>6</u>
Total	15
<b>Semester 7 Credits</b>	
DCP 3200 Methods of Inquiry for Sustainability and the Built Environment	3
DCP 49 <del>4530</del> Geodesign Practicum II	<del>5</del> 6

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<b>Energy and Climate Change</b> <del>AGG 3501 Environment, Food and Society or</del> <del>AOM 2520 Global Sustainable Energy: Past, Present and Future</del>  <u>Approved Elective</u>	3
Elective <i>Any 3000/4000-level course not otherwise required</i>	3
Total	<del>14</del> 5

Semester 8	Credits
Sustainability Capstone <i>DCP 4290 Sustainability Capstone Project</i>	6
Approved electives	6
Elective <i>Any 3000/4000-level course not otherwise required</i>	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 2451, AEB 4126, AEB 4283, AGG 3501, ANT 4403, AOM 2520, ARC 2304, EES 3000, EES 4050, EES 4316, FNR 4660, FOR 3004, FOR 3153C, FOR 4060, FOR 4090C, GEO 2500, GEO 3372, IND 2214, LAA 2360C, REL 3492, SWS 2007, SWS 2008, SYD 4512, WIS 4203C, WIS 4427C, WIS 4523.