



Program Approval Form

For approval of new programs and deletions or modifications to an existing program.

Action Requested:

- Create New (SCHEV approval required except for minors)
- Inactivate Existing
- Modify Existing (check all that apply)
 - Title (SCHEV approval required except for minors)
 - Concentration** (Choose one): Add Delete Modify
 - Degree Requirements
 - Admission Standards/ Application Requirements
 - Other Changes: _____

Type (Check one):

- B.A. B.S. Minor
- M.A. M.S. M.Ed.
- Ph.D.
- Undergraduate Certificate*
- Graduate Certificate*
- Other:

College/School: **Department:**

Submitted by: **Ext:** **Email:**

Effective Term: Fall **Please note:** For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

Justification: (attach separate document if necessary)

As biodiversity is the life support system of our planet, it is important to prepare students for careers that require knowledge of both ecology and public policy. In this certificate, students will learn the basic concepts in conservation biology, spatial manipulation, policy and planning, and how these fields interact in the real world. Furthermore, the certificate, with its multidisciplinary approach, allows students to examine decision-making processes as, both, scientists and policy analysts.

Program Title: (Required)
Title must identify subject matter. Do not include name of college/school/dept.

Concentration(s):

Admissions Standards / Application Requirements:
(Required only if different from those listed in the University Catalog)

Degree Requirements:
Consult University Catalog for models, attach separate document if necessary using track changes for modifications

Courses offered via distance:
(if applicable)

TOTAL CREDITS REQUIRED:

Existing	New/Modified
	Environmental GIS and Biodiversity Conservation
	<p>Core courses: GGS 553: Geographic Information Systems CONS 620: Spatial Ecology, Geospatial Analysis, and Remote Sensing for Conservation EVPP 607: Fundamentals of Ecology</p> <p>Electives (choose 3, 1 of each course cluster):</p> <p><u>Cluster 1</u> GGS 579: Remote Sensing GGS 590: Selected Topics in Geography (permission of advisor and instructor) GGS 680: Earth Image Processing (prq: GGS416 or GGS 579 or permission of instr) GGS 692: WebGIS (prq: GGS553 or permission of instr) GGS 759: Topics in Earth Science (permission of advisor and instructor)</p> <p><u>Cluster 2</u> CONS 697: Adaptive Management CONS 630: Species Monitoring & Conservation</p> <p><u>Cluster 3</u> EVPP 518: Conservation Biology EVPP 519: Marine Mammal Biology and Conservation EVPP 521: Marine Conservation EVPP 619: The Challenge of Biodiversity EVPP 650: Environmental Analysis and Policy EVPP 648: Population Ecology EVPP 641: Environmental Science and Public Policy EVPP 505: Global Biodiversity Governance</p> GGS 553, GGS 680, GGS 692
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*For Certificates Only: Indicate whether students are able to pursue on a Full-time basis Part-time basis

Approval Signatures

Department _____ Date _____ College/School _____ Date _____ Provost's Office _____ Date _____
Required for Minors and Interdisciplinary Programs

Program Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference.
Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

FOR ALL PROGRAMS (required)

Program Title:

Graduate Certificate in Environmental GIS and Biodiversity Conservation

Date of Departmental Approval:

FOR INACTIVATED PROGRAMS (required if inactivating a program)

- Reason for Inactivation:

FOR MODIFIED PROGRAMS (required if modifying a program)

- Summary of the Modification:
- Text before Modification (title, degree requirements, etc.):
- Text after Modification (title, degree requirements, etc.):
- Reason for the Modification:

FOR NEW PROGRAMS (required if creating a new program)

- Reason for the New Program:

It is clear that Biodiversity is the life support system of our planet and it is important to prepare students for careers that require knowledge of both ecology and public policy. In this certificate students will learn the basic concepts in conservation biology, spatial manipulation, policy and planning and how these fields interact in the real world. Furthermore, the certificate, with its multidisciplinary approach, allows students to examine decision-making processes as, both, scientists and policy analysts.

- Relationship to Existing Programs:
- Relationship to Existing Courses:
- Semester of Initial Offering: [Fall 2015](#)
- Insert Tentative SCHEV Proposal Below