ENVIRONMENTAL GIS AND BIODIVERSITY CONSERVATION GRADUATE CERTIFICATE

Banner Code: SC-CERG-EGBC

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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. This certificate focuses in the fields of conservation biology, land use policy, conservation planning, and modern tools and approaches used in GIS to prepare students to tackle complex environmental challenges in a changing world.

This certificate is suitable for traditional students as well as for student-professionals (such as environmental scientists, managers, practitioners in government, and experts in non-governmental organizations) who wish to acquire further knowledge to advance their careers.

This certificate may be pursued on a part-time or full-time basis.

Admissions & Policies

Admissions
University-wide admissions policies can be found in the Graduate Admissions Policies section of this catalog.

To apply for this program, please complete the George Mason University Admissions Application (https://www2.gmu.edu/admissions-aid/apply-now).

Applicants for this certificate should hold a BA or BS in a related discipline from a regionally accredited institution.

Policies
For policies governing all graduate programs, see AP.6 Graduate Policies.

Requirements

Degree Requirements
Total credits: 18

Refer to the Admissions & Policies for policies specific to this program.

Core Courses

Geospatial Requirements
GGS 553 Geographic Information Systems 3
or GGS 692 Web-based Geographic Information Systems

Remote Sensing Requirements
GGS 579 Remote Sensing 3
or GGS 680 Earth Image Processing

Conservation Requirements
EVPP 518 Conservation Biology 3

Statistics Requirements
GGS 560 Quantitative Methods 3
or CONS 625 Statistics for Ecology and Conservation Biology

Total Credits
12

1 This course may be substituted with advisor approval.

Practice-oriented Conservation Coursework
Select 6 credits from the following:

CONS 620 Spatial Ecology, Geospatial Analysis
Remote Sensing for Conservation
CONS 630 Species Monitoring Conservation
CONS 640 Adaptive Management for Conservation
Success
or CONS 660 Effective Conservation Leadership
or CONS 665 Conservation Conflict Resolution
CONS 645 Estimating Animal Abundance and
Occupancy
CONS 697 Special Topics in Conservation

Total Credits
6