



**SAN FRANCISCO STATE UNIVERSITY- COLLEGE OF EXTENDED LEARNING  
APPLICATION FOR GEOGRAPHIC INFORMATION SYSTEMS (GIS) CERTIFICATE OF COMPLETION  
Concentration in Environmental Analysis**

Student Name \_\_\_\_\_ Date \_\_\_\_\_  
Student ID # \_\_\_\_\_  
(List as you wish name to appear on certificate)  
Current Address \_\_\_\_\_ e-mail \_\_\_\_\_  
City/State/Zip \_\_\_\_\_ Telephone \_\_\_\_\_  
Semester of Graduation \_\_\_\_\_

**CORE PROGRAM (All five courses are required – 8.0 CEUs)**

- GEOG 9003 Introduction to GIS (1.6 CEU)
- GEOG 9004 Managing a GIS Project (1.6 CEU)
- GEOG 9009 Cartographic Design for GIS (1.6 CEU)
- GEOG 9015 Database Management for GIS (1.6 CEU)
- GEOG 9022 Data Acquisition for GIS (1.6 CEU)

**Term Registered**

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**ELECTIVES Category I (8.0 CEUs are required)**

- GEOG 9008 Raster GIS and Analysis (1.6 CEU)
- GEOG 9010 Using GPS for GIS (1.6 CEU)
- GEOG 9024 Watershed GIS (1.6 CEU)
- GEOG 9011 Remote Sensing for GIS, Part I (1.6 CEU)
- GEOG 9013 Spatial Analysis and Modeling (1.6 CEU)
- GEOG 9029 Processing GIS Data Using Model Builder and Python (1.6 CEU)
- GEOG 9032 Ecological Applications of GIS (1.6 CEU)
- GEOG 9023 GIS and Remote Sensing for Coastal and Marine Scientists (1.6 CEU)

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**ELECTIVES Category II (3.2 CEUs are required)**

- GEOG 9020 Scientific Visualization in GIS (1.6 CEU)
- GEOG 9019 Remote Sensing for GIS, Part II (1.6 CEU)
- GEOG 9021 Introduction to Programming ArcGIS (1.6 CEU)
- GEOG 9031 Introduction to R (1.6 CEU)
- GEOG 9030 Building a Geodatabase (1.6 CEU)
- GEOG 9033 GIS for Sustainable Planning and Urban Design (1.6 CEU)

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Please submit this completed application form along with your unofficial transcript to: **Geographic Information Systems Certificate Program, SF State College of Extended Learning 835 Market Street, 6th Floor, San Francisco, CA 94103.** If you are transferring from another institution, please send the official transcript to the above address. Incomplete applications will not be processed.