Curriculum Change Form  
(Present only one proposed curriculum change per form)  
(Complete only the section(s) applicable.)

Part I

(Choose one)

- New Course (Parts II, IV)
- Course Revision (Parts II, IV)
- Hybrid Course (‘S’, ‘W’)
- Course Dropped (Part II)
- New Program (Part III)
- Program Revision (Part III)
- Program Suspended (Part III)

Department Name: Geography & Geology  
College: Arts & Sciences  
*Course Prefix & Number:  
*Course Title: (30 characters)  
*Program Title: Certificate in Geographic Information Systems  
(Major ____, Option ____; Minor ____; or Certificate ____)

Proposal Approved by:  
Departmental Committee  
Graduate Council*  
Council on Academic Affairs  
3/19/09
College Curriculum Committee  
General Education Committee*  
Teacher Education Committee*  
Faculty Senate**  
Board of Regents**  
Council on Postsecondary Edu.***

*If Applicable (Type NA if not applicable.)  
**Approval needed for new, revised, or suspended programs  
***Approval/Posting needed for new degree program or certificate program  
****If “yes”, SACS must be notified before implementation. Please contact EKU’s Office of Institutional Effectiveness.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: To increase the number of credit hours for ABC 100 from 1 to 2.)  
   To create a new certificate program in Geographic Information Systems

A. 2. Effective date: (Example: Fall 2001)  
   Fall 2009

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

Queries from potential and current students suggest that there is a great deal of interest in a certificate program in Geographic Information Systems. GIS is a large and growing discipline with ample job opportunities in geography and planning, geology, public administration, criminal justice and police studies, homeland security and intelligence analysis, range and wildlife management, forestry, emergency management, and many others. A Certificate in GIS program will attract many students, and provide an ample supply of well-trained GIS professionals to the region.

C. The projected cost (or savings) of this proposal is as follows:

   Personnel Impact:

   We have two full-time faculty who specialize in Geographic Information Systems, and several others who are experienced enough with it to teach applied GIS courses. For several years we have hired part-time faculty to teach one to two classes each year, and would continue to do so.

   Operating Expenses Impact:

   Part-time faculty will continue to cost the college between $2100 and $5200/year to teach one to two sections of applied GIS classes each year.

   Equipment/Physical Facility Needs:
No additional needs; the department has a state-of-the-art GIS laboratory.

**Library Resources:**

No additional.

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**Part III. Recording Data for New, Revised, or Suspended Program**

1. For a new program, provide the catalog description as being proposed.
2. For a revised program, provide the current program requirements using *strike-through* for deletions and *underlines* for additions.
3. For a suspended program, provide the current program requirements as shown in catalog. List any options and/or minors affected by the program’s suspension.

<table>
<thead>
<tr>
<th>New or Revised* Program Text</th>
</tr>
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<tbody>
<tr>
<td>(*Use <em>strike-through</em> for deletions and <em>underlines</em> for additions.)</td>
</tr>
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**DEPARTMENT OF GEOGRAPHY**

**AND GEOLOGY**

(The proposed certificate section would be located following the minors section, currently found on page 83 of the 2008-09 *Undergraduate Catalog.* )

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**Certificate in Geographic Information Systems**

**Introductory geoscience laboratory requirement** ........................3 hours
- Select from GEO 210, GLY 102, GLY 107, GLY 108, GLY 109, GLY 172, or GLY 304.

**Core requirements**.................................................................9 hours
- GEO 353, GEO 456, and GEO 553

**Electives**..................................................................................12 hours
- Select from: GEO 351, GEO 455, GEO 556, GEO 501 (when topics are appropriate), GEO 495 or GEO 498 or GLY 499 (if topic is appropriate), GLY 351, CRJ 403, STA 270 or 500, CIS 435, CSC 177

**Total Curriculum Requirements**.................................................24 hours