

UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: Brian Hanson

phone number 8268

Action: Revise the BA major in **Geography**

(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term 06F

(use format 04F, 05W)

Current degree BA

(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: BA

(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name:

Proposed new name for revised or new major / minor / concentration / academic unit
(if applicable)

Revising or Deleting:

Undergraduate major / Concentration: Geography

(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: _____

(Example: African Studies, Business Administration, English, Leadership,
etc.)

Graduate Program Policy statement change: _____

(Attach your Graduate Program Policy Statement)

Graduate Program of Study: _____

(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: _____

List program changes for curriculum revisions:

- Change the list of introductory physical geography courses, was choice of two from a list of five, now will be GEOG 101/111 or GEOG 152 and GEOG 106.
- Reduce the list of introductory human geography courses, two must be taken from the following four: GEOG 102, 120, 203, 210.

- Change the list of introductory methods courses, was choice of one from a list of three, now require GEOG 250 or GEOG 271 (new course) and GEOG 372.
- Require GEOG 445 (formerly “strongly recommended”).
- Change the number of Geography courses at the 300+ level from three to two.
- Raise the total Geography course requirement from 30 credits to 35 credits.

List new courses required for the new or revised curriculum:

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter “None”)

GEOG 271 Introduction to Geographic Data Analysis

Other affected units:

(List other departments affected by this new or revised curriculum. Attach permission from the affected units. If no other unit is affected, enter “None”)

None.

Needs of the Environmental Science Program with respect to our methods courses have been carefully considered and included in the discussion. (Geography is the administrative department for Environmental Science, and the submitter of this proposal is also the Director of the Environmental Science Program, so no separate approval has been considered necessary.)

Rationale:

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

The general form of the Geography major has remained steady for more than 20 years: students acquire introductory background in human geography, physical geography, and geographic methods, and then take advanced courses that may be focused on their primary interest. Over this time, the advances in computing that have influenced many fields have also transformed geographic methods. Formerly separate areas of spatial statistics and spatial data analysis, remote sensing air photo analysis, and cartography have partially converged in their technical usage. We now teach our students (and others across the university) a combination of programming, data handling, and computer mapping that falls under the general category of Geographic Information Systems (GIS). The current proposed revisions are primarily driven by a need to provide more training in GIS to our students without unduly removing the topical content from the major.

Over the past decade, we have developed an informally labeled “GIS sequence” within the department consisting of three courses: a data analysis and programming course (GEOG 250), a basic GIS course (GEOG 372) and an advanced GIS course (GEOG 471). The majority of our undergraduate majors now complete this sequence, and nearly every Geography major takes the first two at least. However, only one course from the sequence (GEOG 250) currently fills an introductory methods requirement, and that course is one of a choice of options for that requirement, so it is possible to leave the program with no training in GIS. In the view of the Geography

faculty, it is no longer tenable to send Geography majors out into the world (or to Geography graduate programs) without GIS training, and this training should consist of at least two courses, with a preference for taking all three courses. We therefore are proposing that two courses: a programming and data analysis course and a basic GIS course, become requirements for the major, and that the courses and schedules will be structured so that every student will have room within the program to take the third, advanced GIS courses. The introductory data analysis and programming course currently in the sequence, GEOG 250, serves several different functions within our department and for the Environmental Science major. A new course, GEOG 271, more directly tied to introducing the GIS sequence, has been proposed as an alternative to GEOG 250, while GEOG 250 remains a core requirement for the Environmental Science major and an alternative for Geography majors with strong interests in certain aspects of physical geography. Maintaining a GIS track which can alternatively begin with GEOG 250 assists the Environmental Science major, which also includes the GIS track within its electives.

A second change in the major is to raise the status of GEOG 445 Method and Theory in Geography to be a requirement. GEOG 445 has always served as the “capstone” course for the major, as well as satisfying the Arts and Sciences second-writing-course requirement.

We have taken this opportunity to trim the introductory human and physical geography course lists in a way that ensures our graduates will have at least an introductory background in the entire range of the discipline. Because of the additional requirements, we have raised the total number of credits required to the major from 30 to 35. With the expanded popularity of our technical and methods courses, it has been possible to complete the 30-credit major without taking any upper-division Geography courses in traditional topical content areas.

This set of revisions was developed by a committee of Geography faculty and was approved by the entire faculty of the Geography Department on 22 September 2005.

Program Requirements:

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the present curriculum.)

DEGREE: BACHELOR OF ARTS

MAJOR: GEOGRAPHY

CURRICULUM

See page XX for University and College requirements.

MAJOR REQUIREMENTS

CREDITS

Two physical geography courses: 7

GEOG 101/111 Physical Geography: Climatic Processes, with lab
or

GEOG 152 Climate and Life

GEOG 106 Physical Geography: Land Surface Processes

Two of the following human geography courses: 6

GEOG 102 Human Geography

GEOG 120 World Regional Geography

GEOG 203 Cultural Geography

GEOG 210 Economic Geography

Two methods courses: 7

GEOG 250 Computer Methods in Geography
or

GEOG 271 Introduction to Geographic Data Analysis

GEOG 372 Geographic Information Systems

Six credits selected from geography courses at or above
the 300 level 6

Six credits selected from geography courses at or above
the 200 level 6

GEOG 445 Method and Theory in Geography 3

ELECTIVES

After required courses are completed sufficient elective credits must
be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF 124

2005/2006 catalog listing for the BA major in Geography (p. 130)

DEGREE: BACHELOR OF ARTS

MAJOR: GEOGRAPHY

CURRICULUM

CREDITS

See page 88 for University and College requirements.

MAJOR REQUIREMENTS

Two of the following physical geography courses: 6-7

GEOG 101 Physical Geography: Climatic Processes

GEOG 106 Physical Geography: Land Surface Processes

GEOG 152 Climate and Life

GEOG 220 Meteorology

GEOG 230 Humans and the Earth Ecosystem

GEOG 235 Conservation of Natural Resources

GEOG 255 Applied Climatology

Two of the following human geography courses: 6

GEOG 102 Human Geography

GEOG 120 World Regional Geography

GEOG 203 Cultural Geography

GEOG 210 Economic Geography

GEOG 225 Historical Geography of the United States

GEOG 236 Conservation: Global Issues

One of the following methods courses: 3-4

GEOG 250 Computer Methods in Geography

GEOG 270 Map Communication and Design

GEOG 272 Map and Air Photo Interpretation

Nine credits selected from geography courses: 9
at the 300 or 400-level (GEOG 445 strongly recommended).

Six elective credits selected from geography courses: 6
at the 200, 300, or 400-level.

ELECTIVES

After required courses are completed sufficient elective credits must be taken to
meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF 124

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson _____ Date _____

Dean of College _____ Date _____

Chairperson, College Curriculum Committee _____ Date _____

Chairperson, Senate Com. on UG or GR Studies _____ Date _____

Chairperson, Senate Coordinating Com. _____ Date _____

Secretary, Faculty Senate _____ Date _____

Date of Senate Resolution _____ Date to be Effective _____

Registrar _____ Program Code _____ Date _____

Vice Provost for Academic Programs & Planning _____ Date _____

Provost _____ Date _____

Board of Trustee Notification _____ Date _____

Revised 11/03/04 /khs

UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: Brian Hanson

phone number 8268

Action: Revise the BA major in **Geography Education**

(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term 06F_

(use format 04F, 05W)

Current degree BA

(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: BA

(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name:

Proposed new name for revised or new major / minor / concentration / academic unit
(if applicable)

Revising or Deleting:

Undergraduate major / Concentration: Geography Education

(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: _____

(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change: _____

(Attach your Graduate Program Policy Statement)

Graduate Program of Study: _____

(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: _____

List program changes for curriculum revisions:

(List is the same as for the regular BA in Geography)

- Change the list of introductory physical geography courses, was choice of two from a list of five, now will be GEOG 101/111 or GEOG 152 and GEOG 106.
- Reduce the list of introductory human geography courses, two must be taken from the following four: GEOG 102, 120, 203, 210.
- Change the list of introductory methods courses, was choice of one from a list of three, now require GEOG 250 or GEOG 271 (new course) and GEOG 372.
- Require GEOG 445 (formerly “strongly recommended”).
- Change the number of Geography courses at the 300+ level from three to two.
- Raise the total Geography course requirement from 30 credits to 35 credits.

List new courses required for the new or revised curriculum:

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter “None”)

GEOG 271 Introduction to Geographic Data Analysis

Other affected units:

(List other departments affected by this new or revised curriculum. Attach permission from the affected units. If no other unit is affected, enter “None”)

None

Rationale:

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

The revisions proposed for the regular BA in Geography are copied here, following our tradition that the BA in Geography Education consists of the regular BA in Geography plus additional requirements for certification as a secondary school social studies teacher. Please see the BA in Geography proposal for further rationale. We note that use of GIS and other geographic methods as teaching tools is expanding within middle school and high school, so our main focus of increasing the methods content of the non-Education major is appropriate for the Education version.

Program Requirements:

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the present curriculum.)

DEGREE: BACHELOR OF ARTS

MAJOR: GEOGRAPHY EDUCATION

CURRICULUM CREDITS

See page XX for University and College requirements.

CURRICULUM

CREDITS

See page XX for University and College requirements.

MAJOR REQUIREMENTS

Two physical geography courses:.. 7

GEOG 101/111 Physical Geography: Climatic
Processes, with lab

or

GEOG 152 Climate and Life

GEOG 106 Physical Geography: Land Surface
Processes

Two of the following human geography courses: 6

GEOG 102 Human Geography

GEOG 120 World Regional Geography

GEOG 203 Cultural Geography

GEOG 210 Economic Geography

Two methods courses: 7

GEOG 250 Computer Methods in Geography

or

GEOG 271 Introduction to Geographic Data Analysis

GEOG 372 Geographic Information Systems

Six credits selected from geography courses 6

at or above the 300 level

Six credits selected from geography courses 6

at or above the 200 level

GEOG 445 Method and Theory in Geography 3

2005/2006 catalog listing for
the BA major in Geography
Education (pp. 130–131)

DEGREE: BACHELOR OF ARTS

MAJOR: GEOGRAPHY EDUCATION

CURRICULUM

CREDITS

See page 88 for University and College requirements.

MAJOR REQUIREMENTS

Two of the following physical geography courses: 6-7

GEOG 101 Physical Geography: Climatic Processes

GEOG 106 Physical Geography: Land Surface Processes

GEOG 152 Climate and Life

GEOG 220 Meteorology

GEOG 230 Humans and the Earth Ecosystem

GEOG 235 Conservation of Natural Resources

GEOG 255 Applied Climatology

Two of the following human geography courses: 6

GEOG 102 Human Geography

GEOG 120 World Regional Geography

GEOG 203 Cultural Geography

GEOG 210 Economic Geography

GEOG 225 Historical Geography of the United States

GEOG 236 Conservation: Global Issues

One of the following methods courses: 3-4

GEOG 250 Computer Methods in Geography

GEOG 270 Map Communication and Design

GEOG 272 Map and Air Photo Interpretation

Nine credits selected from geography courses 9

at the 300 or 400-level (GEOG 445 strongly recommended).

Six credits selected from geography courses 6

at the 200, 300, or 400-level.

EC ON 151 Introduction to Microeconomics 3

EC ON 152 Introduction to Macroeconomics 3

POSC 150 The American Political System 3

HIST 104 World History II 3

HIST 206 United States History since 1865 3

ECON 151 Introduction to Microeconomics	3
ECON 152 Introduction to Macroeconomics	3
POSC 150 The American Political System	3
HIST 104 World History II	3
HIST 206 United States History since 1865	3

Additional credits as follows:	12
3 credits in ECON, 6 credits in POSC, 3 credits in HIST	
EDUC 413 Adolescent Development and Educational Psychology	4
EDUC 414 Teaching Exceptional Adolescents	3
EDUC 419 Diversity in Secondary Education	3
HIST 491 Planning a Course of Instruction	3
HIST 493 Seminar: Problems in Teaching History and Social Sciences	3
EDUC 420 Reading in the Content Areas	1
EDUC 400 Student Teaching	9
EDUC 430 Classroom Management	1

Grade of C- or better required in all required major, major related, and professional studies courses.

To be eligible to student teach, Geography Education students must have a GPA of 3.0 in their major and an overall GPA of 2.75. They must also pass a teacher competency test as established by the University Council on Teacher Education. Students must consult with the teacher education program coordinator (see list on p. 205) to obtain the student teaching application and other information concerning student teaching policies.

CREDITS TO TOTAL A MINIMUM OF 124

2005/2006 catalog listing for the BA major in Geography Education, continued. (No changes beyond this point to education requirements.)

ECON 151	Introduction to Microeconomics	3
ECON 152	Introduction to Macroeconomics	3
POSC 150	The American Political System	3
HIST 104	World History II	3
HIST 206	United States History since 1865	3

Additional credits as follows: 12
3 credits in ECON, 6 credits in POSC, 3 credits in HIST

EDUC 413	Adolescent Development and Educational Psychology	4
EDUC 414	Teaching Exceptional Adolescents	3
EDUC 419	Diversity in Secondary Education	3
HIST 491	Planning a Course of Instruction	3
HIST 493	Seminar: Problems in Teaching History and Social Sciences	3
EDUC 420	Reading in the Content Areas	1
EDUC 400	Student Teaching	9
EDUC 430	Classroom Management	1

Grade of C- or better required in all required major, major related, and professional studies courses.

To be eligible to student teach, Geography Education students must have a GPA of 3.0 in their major and an overall GPA of 2.75. They must also pass a teacher competency test as established by the University Council on Teacher Education. Students must consult with the teacher education program coordinator (see list on p. 205) to obtain the student teaching application and other information concerning student teaching policies.

CREDITS TO TOTAL A MINIMUM OF 124

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson _____ Date _____

Dean of College _____ Date _____

Chairperson, College Curriculum Committee _____ Date _____

Chairperson, Senate Com. on UG or GR Studies _____ Date _____

Chairperson, Senate Coordinating Com. _____ Date _____

Secretary, Faculty Senate _____ Date _____

Date of Senate Resolution _____ Date to be Effective _____

Registrar _____ Program Code _____ Date _____

Vice Provost for Academic Programs & Planning _____ Date _____

Provost _____ Date _____

Board of Trustee Notification _____ Date _____

Revised 11/03/04 /khs

UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: Brian Hanson

phone number 8268

Action: Revise the Honors BA in Geography or Geography Education

(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term 06F

(use format 04F, 05W)

Current degree BA

(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: BA

(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name:

Proposed new name for revised or new major / minor / concentration / academic unit
(if applicable)

Revising or Deleting:

Undergraduate major / Concentration: Honors: Geography and Honors:
Geography Education

(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: _____

(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change: _____

(Attach your Graduate Program Policy Statement)

Graduate Program of Study: _____

(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: _____

List program changes for curriculum revisions:

(List is the same as for the regular BA in Geography)

- Change the list of introductory physical geography courses, was choice of two from a list of five, now will be GEOG 101/111 or GEOG 152 and GEOG 106.
- Reduce the list of introductory human geography courses, two must be taken from the following four: GEOG 102, 120, 203, 210.
- Change the list of introductory methods courses, was choice of one from a list of three, now require GEOG 250 or GEOG 271 (new course) and GEOG 372.
- Require GEOG 445 (formerly “strongly recommended”).
- Change the number of Geography courses at the 300+ level from three to two.
- Raise the total Geography course requirement from 30 credits to 35 credits.

List new courses required for the new or revised curriculum:

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter “None”)

GEOG 271 Introduction to Geographic Data Analysis

Other affected units:

(List other departments affected by this new or revised curriculum. Attach permission from the affected units. If no other unit is affected, enter “None”)

None

Rationale:

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

The Honors degree in Geography or in Geography Education has previously consisted of the requirements for the regular degree with additional Honors courses and with the requirement of GEOG 445. This revision maintains that parallelism with the separately proposed changes in the regular BA in Geography and in the BA in Geography Education. The GEOG 445 requirement no longer requires separate listing because it has become part of the requirements for all of our majors.

Program Requirements:

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the present curriculum.)

**HONORS BACHELOR OF ARTS:
GEOGRAPHY OR GEOGRAPHY EDUCATION**

The recipient must complete:

1. All requirements for the Bachelor of Arts degree in Geography or Geography Education.
2. All of the University's generic requirements for the Honors Degree (see p. XX of this catalog).

2005/2006 catalog listing for
the Honors BA major in
Geography or Geography
Education (p. 131)

**HONORS BACHELOR OF ARTS:
GEOGRAPHY OR GEOGRAPHY EDUCATION**

The recipient must complete:

1. All requirements for the Bachelor of Arts degree in Geography or Geography Education.
2. All of the University's generic requirements for the Honors Degree (see p. 45 of this catalog).
3. One of the courses used to satisfy the Geography major requirements must be GEOG 445.

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson _____ Date _____

Dean of College _____ Date _____

Chairperson, College Curriculum Committee _____ Date _____

Chairperson, Senate Com. on UG or GR Studies _____ Date _____

Chairperson, Senate Coordinating Com. _____ Date _____

Secretary, Faculty Senate _____ Date _____

Date of Senate Resolution _____ Date to be Effective _____

Registrar _____ Program Code _____ Date _____

Vice Provost for Academic Programs & Planning _____ Date _____

Provost _____ Date _____

Board of Trustee Notification _____ Date _____

Revised 11/03/04 /khs

UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: Brian Hanson

phone number 8268

Action: Revise the undergraduate minor in **Geography**

(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term 06F

(use format 04F, 05W)

Current degree _____

(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: _____
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name: _____
Proposed new name for revised or new major / minor / concentration / academic unit
(if applicable)

Revising or Deleting:

Undergraduate major / Concentration: _____
(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: Geography
(Example: African Studies, Business Administration, English, Leadership,
etc.)

Graduate Program Policy statement change: _____
(Attach your Graduate Program Policy Statement)

Graduate Program of Study: _____
(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: _____

List program changes for curriculum revisions:

Change all three lists of introductory courses in parallel with revisions made to the BA in Geography.

List new courses required for the new or revised curriculum:

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter "None")

GEOG 271 Introduction to Geographic Data Analysis

Other affected units:

(List other departments affected by this new or revised curriculum. Attach permission from the affected units. If no other unit is affected, enter "None")

None

Rationale:

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

The overall design of the minor is unchanged: three courses selected one-from-each of three introductory groups (physical geography, human geography, and methods), and three more courses from the 300 level and above. Previous introductory-course lists for the minor have been the same as introductory-course lists for the BA majors, and this revision modifies the minor in parallel with proposed changes in our BA majors. A slight variation from the majors' course lists is that we did not choose to require students in the minor to take the 4-credit lab versions of our courses, so GEOG 101 is listed without its 111 lab and GEOG 220 Meteorology is returned to the list.

Program Requirements:

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the present curriculum.)

MINOR IN GEOGRAPHY

A minimum of 18 credits of course work in geography must be completed for a minor. Nine credits shall be at the foundation level, taking one course from each of these three lists:

Physical Geography: GEOG 101, 106, 152, or 220

Human Geography: GEOG 102, 120, 203, or 210

Geographic Methods: GEOG 250, 271, or 372

Nine more geography credits must be taken at or above the 300 level.

2005/2006 catalog listing for
the minor in Geography (p. 131)

MINOR IN GEOGRAPHY

A minimum of 18 credits of course work in geography must be completed for a minor. Nine credits must be taken at the foundation level, with three credits from each of the foundation areas (Physical Geography, Human Geography, Methods). Nine more geography credits must be taken at the 300/400-level.

ROUTING AND AUTHORIZATION:

(Please do not remove supporting documentation.)

Department Chairperson _____ Date _____

Dean of College _____ Date _____

Chairperson, College Curriculum Committee _____ Date _____

Chairperson, Senate Com. on UG or GR Studies _____ Date _____

Chairperson, Senate Coordinating Com. _____ Date _____

Secretary, Faculty Senate _____ Date _____

Date of Senate Resolution _____ Date to be Effective _____

Registrar _____ Program Code _____ Date _____

Vice Provost for Academic Programs & Planning _____ Date _____

Provost _____ Date _____

Board of Trustee Notification _____ Date _____

Revised 11/03/04 /khs