



# ACADEMIC PROPOSAL

Date Received by Committee Chair 2/28/06

- 1. Teacher Education Committee on (date submitted) \_\_\_\_\_
- 2. Academic Affairs Committee on (date submitted) \_\_\_\_\_
- 3. Graduate Affairs on (date submitted) \_\_\_\_\_

From (School/Department) Department of Geology & Physics

Signature of Unit Head [Signature]

Person to be Contacted Dan Askren

Type of Action (check one):  Addition  Deletion  Substantive Change  
 Submission for File  Other (please specify) \_\_\_\_\_

Action desired for (check one):  Program  Course  Other (specify) \_\_\_\_\_  
Course/Program Name and (for courses) Course Description and Hours Credit:

### B.S. Geology

#### Brief Description of Proposal:

On the B.S. Geology Curriculum Sheet, move PHYS 1111/1112 and PHYS 2111/2112 from Area F to Area D. Add GEOL 1121 and GEOL 1122 to Area F.

This aligns the Geology B.S. curriculum sheet with those of the other GSW Science & Math curriculum sheets by placing the major's introductory courses in Area F and by placing Physics courses in Area D.

### This section to be completed by appropriate Committee Chair (and Secretary of Faculty Senate):

#### Check Committee taking Action:

(1)  Teacher Education Committee (2)  Academic Affairs (3)  Graduate Affairs

Action taken by Committee: (Check One)  Approved  Not Approved  Tabled

#### Comments/Reasons for Non Approval or Tabling:

Signature of Chair [Signature] Date 4/5/06

Requires action of the Faculty Senate and Faculty?  Yes or  No (Check one)

Faculty Senate Action: Forwarded by the Senate to the Faculty (Check one):  
 With Endorsement  Without Endorsement, or  Remanded back to Committee

Signature of Secretary, Faculty Senate [Signature] Date 04/18/2006

1. Will this proposal change the requirements for any degree program? If so, explain and attach existing and proposed program sheets with changes clearly marked.

Yes. For the B.S. in Geology, the change moves required Physics courses from Area F to Area D. The change also adds introductory Geology courses to Area F. For the Geology major, Area F courses require a grade of "C" or better; addition of introductory Geology courses to Area F will require this minimum grade of "C" in introductory Geology courses for majors.

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2. Is the proposed course/program recommended or required by an accrediting agency? Is so, explain.

No.

3. Is the proposed course/program substantially similar to an existing one in another GSW department or school? Is so, explain and justify.

No.

4. Justification and/or objectives for proposal (including relationship to GSW Strategic plan, if appropriate).

This proposal places required introductory Geology courses in the same Area (Area F) as all other Science and Math majors' introductory courses. This also places Physics courses in the same Area (recommended for completion of Area D) as all other Science and Math majors that recommend Physics. If recommendation to complete Physics in Area D is not completed, then Physics 1111/1112 or 2111/2112 will be required as free electives.

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5. What additional resources will be required to implement the proposal? Faculty? Facilities? Equipment? Library holdings? Others?

None.

6. What impact will this proposal have on other courses, programs, departments, schools, or units?

These changes will simplify comparison of curriculum sheets between Math/Science Departments

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7. Anticipated start date: Fall 2006

8. Estimated number of students enrolled first semester: 20 Enrolled on a continuing basis 20

9. Required attachments for this proposal:

- Course outlines must include the course number, course title, course description for the Bulletin (followed by credit hour designations including lab hours, if appropriate), course content, and learning objectives for the course. A suggested text and a bibliography may be included as well.
- Proposals for new degree must include a curriculum sheet.
- Proposals for changes in degree programs must include existing and proposed curriculum sheets with changes clearly marked.

TO: \_\_\_\_\_



## B.S. in GEOLOGY

Name \_\_\_\_\_ ID# \_\_\_\_\_

Advisor \_\_\_\_\_

### CORE: 62 HOURS

Area A (9 hrs)	Hrs	Term	Grade
ENGL 1101 Composition I (min grade C)	3		
ENGL 1102 Composition II (min grade C)	3		
MATH 1113 Precalculus	3		

Area B (4 hrs min)	Hrs	Term	Grade
CIS 1000	2		
COMM 1110	3		
ENGL 2200	3		
SOCI 2295	2		
SOSC 1000, SOSC 1101, GEOG 1101	2/3		
THEA 1110	3		
WMST 2001	3		
Foreign Language (2000 or higher)	3		

Area C (6 hrs)	Hrs	Term	Grade
ENGL 2110 or ENGL 2120 or ENGL 2130	3		
Select one:	3		
ARTC 1100, MUSC 1100, or THEA 1100			

Area D (12 hrs) <small>Area D Lists</small>	Hrs	Term	Grade
*Lab Science I	4		
*Lab Science II	4		
MATH 1120 Calculus I	4		

Area E (12 hrs)	Hrs	Term	Grade
POLS 1101 American Government	3		
HIST 1111 or 1112 World Civilization I or II	3		
HIST 2111 or 2112 US History I or II	3		
Select one:	3		
ECON 2105, SOCI 1101, HIST 1111 or 1112, PSYC 1101 or ANTH 1102			

Area F (19 hrs)	Hrs	Term	Grade
ENGL 2200 or Foreign Language	3		
CHEM 1211/1211L Prin Chem I w/Lab	4		
CHEM 1212/1212L Prin Chem II w/Lab	4		
Select one lab science sequence:	8		
PHYS 1111/1112 Introductory Physics I/II PHYS 2111/2112 Principles of Physics I/II			

Physical Education (4 hrs)	Hrs	Term	Grade
PEDS 1010 Lifetime Fitness	1		
PEDS 2000 CPR/First Aid	2		
PEDS _____ (Activity)	1		
(Activity must be swimming if swimming test not passed)			

Additional Requirements	
UNIV 1000 _____	
GA HISTORY _____	US HISTORY _____
GA CONSTITUTION _____	US CONSTITUTION _____
REGENT'S READING _____	REGENT'S WRITING _____
GEOGRAPHY _____	SWIMMING _____

### MAJOR/ELECTIVE REQUIREMENTS: 58 HOURS

Required Courses (31 hrs)	Hrs	Term	Grade
GEOL 3111 Environmental Geology	4		
GEOL 3121 Mineralogy	4		
GEOL 3131 Optical Mineralogy	2		
GEOL 3211 Invertebrate Paleobiology	4		
GEOL 3511 Structural Geology	4		
GEOL 4311 Sedimentary Petrology	2		
GEOL 4411 Stratigraphy	4		
GEOL 4711 Igneous Petrology	4		
GEOL 4911 Senior Seminar	1		
GEOL 4941 Senior Thesis I	1		
GEOL 4942 Senior Thesis II	1		

Math/Science (15 hrs min)	Hrs	Term	Grade
Math/Science Elective	3/4		
<b>Select at least 12 hrs:</b>			
GEOL 3311 Oceanography	4		
GEOL 3411 Intro to Geomorphology	4		
GEOL 4211 Hydrogeology	4		
GEOL 4212 Aqueous Env Geochem	4		
GEOL 4511 Remote Sensing	4		
GEOL 4611 Geographic Info Systems	4		
GEOL 4811 Intro to Geophysics	4		
GEOL 4821 Environmental Geophysics	4		
GEOL 4921 Geotectonics	4		
GEOL 4931 Field Methods	4		

Free Electives to total 120 hrs	Hrs	Term	Grade
Free Elective	3		
Free Elective	3		
Free Elective	3		
Free Elective	3		

**ADDITIONAL REQUIREMENTS:**  
 Minimum grade of "C" required in Area F and all major classes.  
 \*\*Must be advisor-approved courses.

**UNIVERSITY REQUIREMENTS**  
 A minimum of 120 semester hours must be completed for graduation.  
 39 semester hours must be upper division work at the 3000-4000 level.  
 Students entering prior to fall 2002 are required to pass a test of geographic knowledge or to earn a passing grade in one of the following courses: SOSC 1000, SOSC 1101, GEOG 1101, GEOG 4550, POLS 4550.  
 Students entering fall 2002 or later do not have to meet this requirement.

effective 2005-2006

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Current