

DOCUMENTS OF THE GENERAL FACULTY

PROPOSED CHANGES TO THE BACHELOR OF ARTS IN GEOLOGICAL SCIENCES IN THE JACKSON SCHOOL OF GEOSCIENCES CHAPTER IN THE *UNDERGRADUATE CATALOG 2016-2018*

Dean Sharon Mosher in the Jackson School of Geosciences has filed with the secretary of the Faculty Council the following changes to the *Undergraduate Catalog, 2016-2018*. The secretary has classified this proposal as legislation of *exclusive* interest to only one college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the changes on January 6, 2016, and forwarded the proposal to the Office of the General Faculty. The Faculty Council has the authority to approve this legislation on behalf of the General Faculty. The authority to grant final approval on this legislation resides with UT System.

If no objection is filed with the Office of the General Faculty by the date specified below, the legislation will be held to have been approved by the Faculty Council. If an objection is filed within the prescribed period, the legislation will be presented to the Faculty Council at its next meeting. The objection, with reasons, must be signed by a member of the Faculty Council.

To be counted, a protest must be received in the Office of the General Faculty by January 20, 2016.



Hillary Hart, Secretary
General Faculty and Faculty Council

4. SCOPE OF PROPOSED CHANGE

- a. Does this proposal impact other colleges/schools? Yes No
If yes, then how?
- b. Do you anticipate a net change in the number of students in your college? Yes No
If yes, how many more (or fewer) students do you expect?
- c. Do you anticipate a net increase (or decrease) in the number of students from outside of your college taking classes in your college? Yes No
If yes, please indicate the number of students and/or class seats involved.
- d. Do you anticipate a net increase (or decrease) in the number of students from your college taking courses in other colleges? Yes No
If yes, please indicate the number of students and/or class seats involved.

If 4 a, b, c, or d was answered with yes, please answer the following questions. If the proposal has potential budgetary impacts for another college/school, such as requiring new sections or a non-negligible increase in the number of seats offered, at least one contact must be at the college-level.

How many students do you expect to be impacted?

Impacted schools must be contacted and their response(s) included:

Person communicated with:

Date of communication:

Response: Pending

- e. Does this proposal involve changes to the core curriculum or other basic education requirements (42-hour core, signature courses, flags)? If yes, explain:

If yes, undergraduate studies must be informed of the proposed changes and their response included:

Person communicated with:

Date of communication:

Response:

- f. Will this proposal change the number of hours required for degree completion? If yes, explain:

5. COLLEGE/SCHOOL APPROVAL PROCESS

Program approval date: May 6, 2015

Dean's Scholars approval date (for changes to Option II): N/A

College approval date: May 6, 2015

PROPOSED NEW CATALOG TEXT:**BACHELOR OF ARTS IN GEOLOGICAL SCIENCES**

The Bachelor of Arts in Geological Sciences (~~BAGeoSci~~) is a classical arts and sciences degree that gives students a great deal of flexibility in their choice of upper-division ~~geological sciences~~ courses. Students must complete courses in the natural sciences, the social and behavioral sciences, and the humanities. This diversity of subjects provides an opportunity to learn about basic differences in outlook among different disciplines, the ways questions are raised and answered, and the ways the answers are validated and made relevant in practical use. ~~The Bachelor of Arts in Geological Sciences also provides for a minor made up of four courses in another field, including two upper-division courses. These choices let students combine their interests in liberal arts and geosciences to prepare for professions such as business, journalism, resource management, public policy, law, and medicine.~~

~~Another option for outstanding students interested in geology is the Bachelor of Arts, Plan II (p. 308), offered by the College of Liberal Arts. This broad liberal arts honors program emphasizes the humanities but also permits a concentration in science that is equivalent to a major.~~

Students who plan to become professional geoscientists should pursue one of the BS Geological Sciences degree options. The BS Geological Sciences, Option V: UTeach is available for students interested in pursuing a career teaching math and science at the middle and secondary school level.

Additional Requirements Specific to the BA Geological Sciences

The coursework counted toward the degree may include no more than thirty-six hours in any one field of study in the College of Liberal Arts or the College of Natural Sciences; and no more than thirty-six hours in any other single college or school of the University, including the Jackson School.

At least eighteen semester hours of coursework in geological sciences, including six hours of upper-division coursework, must be completed in residence at the University. As long as these all residence rules are met, credit may be earned by examination, by extension, by correspondence (up to 30 percent of the semester hours required for the degree), or, with the approval of the dean, by work transferred from another institution.

Degree requirements are divided into three categories: university-wide undergraduate degree requirements (the University Core Curriculum) and flag requirements, prescribed work for the degree, and major requirements. In addition, the student must fulfill the University's general requirements and the requirements of the Jackson School of Geosciences.

Prescribed Work BA Geological Sciences

~~A total of 120 semester hours is required. Thirty six hours must be in upper division courses. At least sixty hours, including eighteen hours of upper division coursework, must be completed in residence at the University; at least twenty four of the last thirty hours must be completed in residence at the University. As long as these all residence rules are met, credit may be earned by examination, by extension, by correspondence (up to 30 percent of the semester hours required for the degree), or, with the approval of the dean, by work transferred from another institution.~~

~~The coursework counted toward the degree may include no more than thirty six hours in any one field of study in the College of Liberal Arts or the College of Natural Sciences; and no more than thirty six hours in any other single college or school of the University, including the Jackson School.~~

~~No coursework to be counted toward the degree may be taken on the pass/fail basis.~~

~~All students must complete the University's core curriculum (p. 23). In the process of fulfilling the core curriculum and other degree requirements, all students are expected to complete the following Skills and Experience flags:~~

- ~~1. —Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent~~
- ~~2. —Quantitative reasoning: one flagged course~~
- ~~3. —Global cultures: one flagged course~~
- ~~4. —Cultural diversity in the United States: one flagged course~~
- ~~5. —Ethics and leadership: one flagged course~~
- ~~6. —Independent inquiry: one flagged course~~

~~The specific requirements for the Bachelor of Arts in Geological Sciences consist of prescribed work, major and minor requirements, and electives. In some cases, a course that is required for the degree may also be counted toward the core curriculum. A course in one prescribed work area may not also be used to fulfill the requirements of another prescribed work area; the only exception to this rule is that a course that fulfills any other requirement may also be used to fulfill a flag requirement if the course carries that flag, unless otherwise specified. In addition, the student must fulfill the University's general requirements (p. 20), and the requirements of the Jackson School given in special requirements of the college (p. 266).~~

Prescribed Work

1. Foreign Language Requirement: The BA, Geological Sciences degree requires that students achieve Intermediate-level proficiency in a foreign language as part of the degree requirements. The foreign

language requirement is the attainment of a certain proficiency, rather than the completion of a specified number of hours. The number of semesters and total number of hours required vary by language. Any part of the requirement may be fulfilled by credit by examination. Courses used to fulfill the foreign language requirement must be language courses; literature-in-translation courses, for example, may not be counted.

Consult the Intermediate-level language proficiency course list to see which classes are required to complete this degree requirement for a specific language. Students are encouraged to consult with their academic advisor about fulfilling the foreign language degree requirement.

~~*1. Foreign language:* Four semesters, or the equivalent, in a single foreign language. The foreign language requirement is the attainment of a certain proficiency, rather than the completion of a specified number of hours. Any part of the requirement may be fulfilled by credit by examination. To achieve proficiency in a foreign language as rapidly as possible, qualified students are urged to take intensive foreign language courses. Information about these courses is available from the departments that offer them. Courses used to fulfill the foreign language requirement must be language courses; literature in-translation courses, for example, may not be counted.~~

2. Social Science: Three semester hours in social science, in addition to the course counted toward the social and behavioral sciences requirement of the core curriculum. The course must be chosen from the following fields and; it must be in a different field from the course used to fulfill the core curriculum social and behavioral sciences requirement.
 - a. Anthropology
 - b. Economics
 - c. Geography
 - d. Linguistics
 - e. Psychology
 - f. Sociology

3. Natural Science: Six semester hours in natural sciences, in addition to the courses counted toward the science and technology requirements of the core curriculum. Courses must be chosen from the following fields; no more than three hours may be in either the history of science or the philosophy of science.
 - a. Astronomy
 - b. Biology
 - c. Chemistry
 - d. Marine science
 - e. Nutrition
 - f. Physical science
 - g. Physics
 - h. Mathematics
 - i. Computer science
 - j. Experimental psychology
 - k. Physical anthropology
 - l. Physical geography
 - m. Philosophy (courses in logic)
 - n. History of science and philosophy of science
 - ~~o. Other fields approved by the dean~~

4. General Culture: Three semester hours in addition to the course counted toward the visual and performing arts requirement of the core curriculum. Courses in the following fields may be used:
 - a. Architecture
 - b. Classical civilization, Greek, Latin
 - c. Art history, design, ensemble, fine arts, instruments, music, studio art, theatre and dance, visual art studies
 - d. Philosophy (excluding courses in logic)
 - ~~e. Approved interdisciplinary courses including, but not limited to, those in programs of special concentration cutting across specific departments, schools, or colleges. Lists of approved courses are~~

~~available in the Undergraduate Student Services Office.~~

5. Interdisciplinary Studies: Twelve semester hours, of which at least six must be upper-division courses, in any one of the disciplines listed below. These courses must be in addition to those counted toward the core curriculum requirements, prescribed work or major requirements.
 - a. Anthropology
 - b. Astronomy
 - c. Biology
 - d. Business
 - e. Computer science
 - f. Chemistry
 - g. Education
 - h. Engineering
 - i. Geography
 - j. Mathematics
 - k. Physics
 - l. Other disciplines may be chosen with submission and approval of a petition through the JSG Student Services Office.
6. Enough additional upper-division coursework to total thirty-six semester hours.

The BA Major and Minor

~~With the exception of courses that fulfill a flag requirement, a course taken to fulfill the requirements under "Prescribed Work" above may not also be counted toward fulfillment of the major and minor requirements.~~

Residence Requirements for the Major

~~At least eighteen semester hours of coursework in geological sciences, including six hours of upper-division coursework, must be completed in residence at the University.~~

Course Requirements for the Major Requirements

BA Geological Sciences

7. ~~Geological Sciences 401 or 303, 404C or 405, 416K, 416M, and 420K, and enough additional upper-division coursework in geological sciences to make a total of thirty-two semester hours; six~~
8. ~~Six semester hours in biology;~~
9. ~~Chemistry 301 and 302; and three~~
10. ~~Three semester hours in physics.~~
11. ~~and enough Enough additional upper-division coursework in geological sciences to make a total of thirty-two semester hours in geological sciences.~~

Minor

12. ~~Twelve semester hours, of which at least six must be in upper-division coursework, in any one of the following disciplines: anthropology, astronomy, biology, business, computer science, chemistry, education, engineering, geography, mathematics, or physics. Other disciplines may be chosen with submission and approval of a petition through the Jackson School of Geosciences Student Services Office.~~

Electives

12. A total of 120 hours of coursework including core, prescribed and major work.

~~In addition to the core curriculum, the prescribed work, and the major and minor, the student must complete enough elective coursework to provide the 120-semester hours required for the degree. These 120 hours may include no more than twelve semester hours of Bible courses and no more than nine hours of air force science, military science, or naval science courses.~~

Suggested Arrangement of Courses

BA Geological Sciences**First Year**

First Term	Hours	Second Term	Hours
GEO 401 or 303	3	GEO 405	4
Mathematics	3	Biology	3
CH 301	3	CH 302	3
UGS 302 or 303	3	RHE 306	3
General Culture	3	GEO Mentor Course	0
	15		13

Second Year

First Term	Hours	Second Term	Hours
GEO 416K	4	GEO 420K	4
GEO 416M	4	PHY 302K or 303K	3
Biology	3	US History	3
Foreign Language	5	Foreign Language	5
	16		15

Third Year

First Term	Hours	Second Term	Hours
GEO UDE	3	GEO UDE	4
GEO UDE	3	GEO UDE	3
E 316L, M, N or P	3	GOV 310L	3
Social Science (core)	3	Social Science (major)	3
Interdisciplinary Studies	3	Interdisciplinary Studies	3
	15		16

Fourth Year

First Term	Hours	Second Term	Hours
GEO UDE	3	GEO UDE	3
Interdisciplinary Studies UD	3	GEO UDE	3
GOV 312L	3	US History	3
Elective UD	3	Visual/Performing Arts	3
Elective UD	3	Interdisciplinary Studies UD	3
	15		15

Total Credit Hours 120