



EXECUTIVE VICE PRESIDENT AND PROVOST
THE UNIVERSITY OF TEXAS AT AUSTIN

110 Inner Campus Drive, Suite 201 • G1000 • Austin, Texas 78712-1701 • (512) 471-4363 • FAX (512) 475-7385

January 26, 2016

Dr. Steven Leslie
Executive Vice Chancellor for Academic Affairs
The University of Texas System
P4300

Dear Dr. Leslie:

Enclosed for your consideration and approval are changes to the Jackson School of Geosciences chapter in the *Undergraduate Catalog, 2016-2018* (D 13857-13914). Faculty Council approved these proposals on January 20, 2016. Final approval resides with UT System.

- Proposed Changes to the BA in Geological Sciences (D 13857-13863)
- Proposed Changes to the BS in Geological Sciences, Option I (D 13864-13870)
- Proposed Changes to the BS in Geological Sciences, Option II (D 13871-13875)
- Proposed Changes to the BS in Geological Sciences, Option III (D 13876-13881)
- Proposed Changes to the BS in Geological Sciences, Option V (D 13882-13886)
- Proposed Changes to the Graduation Section (D 13887-13891)
- Proposed Changes to the Academic Policy and Procedures Section (D 13901-13905)
- Proposed Changes to the Admissions Section (D 13906-13910)
- Proposed New Presentation of Degree Requirements Section (D 13911-13914)

Sincerely,

A handwritten signature in blue ink, appearing to read "Judith H. Langlois".

Judith H. Langlois
Executive Vice President and Provost, *ad interim*

JHL: lac

Enclosure

cc: Gregory Fenves, President
Carol Longoria, Assistant Deputy to the President
Richard Ketcham, Associate Dean for Academics, Jackson School of Geosciences
Nicole Evans, Assistant Dean, Jackson School of Geosciences
Brenda Schumann, Associate Registrar
IRRIS Team
Hillary Hart, Secretary, General Faculty and Faculty Council
Deborah Roberts, Executive Assistant, OGF
Victoria Cervantes, Senior Administrative Associate, OGF
Suzanne Revisore, Assistant to the EVCAA, UT System



OFFICE OF THE FACULTY COUNCIL
THE UNIVERSITY OF TEXAS AT AUSTIN

P. O. BOX 7816 • Austin, TX 78713-7816
(512) 471-5934 • Fax: (512) 471-5984 • <http://www.utexas.edu/faculty/council>

January 21, 2016

Judith H. Langlois
Interim Executive Vice President and Provost
The University of Texas at Austin
MAI 201
Campus Mail Code: G1000

Dear Dr. Langlois:

EXECUTIVE VICE PRESIDENT AND PROVOST UT AUSTIN	
REC'D	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> JAN 27 2016 </div> ✓
REFER TO _____	
HANDLE _____	
COMMENT & RETURN _____	
FILE OR DISCARD _____	

Enclosed for your consideration and action are changes to the Jackson School of Geosciences chapter in the *Undergraduate Catalog, 2016-2018*. The proposals were classified as being of *exclusive* interest to only one college or school and were approved by the Faculty Council on a no-protest basis on January 20, 2016. The authority to grant final approval on these changes resides with UT System.

- Proposed Changes to the BA in Geological Sciences (D 13857-13863)
- Proposed Changes to the BS in Geological Sciences, Option I (D 13864-13870)
- Proposed Changes to the BS in Geological Sciences, Option II (D 13871-13875)
- Proposed Changes to the BS in Geological Sciences, Option III (D 13876-13881)
- Proposed Changes to the BS in Geological Sciences, Option V (D 13882-13886)
- Proposed Changes to the Graduation Section (D 13887-13891)
- Proposed Changes to the Academic Policy and Procedures Section (D 13901-13905)
- Proposed Changes to the Admissions Section (D 13906-13910)
- Proposed New Presentation of Degree Requirements Section (D 13911-13914)

Please let me know if you have questions or if I can provide other information concerning these items.

Sincerely,

Hillary Hart, Secretary
General Faculty and Faculty Council

HH:dlr

Enclosures

- xc: Gregory L. Fenves, president
Janet Dukerich, senior vice provost
- ec (letter only): Carol Longoria, deputy to the president
Richard Ketcham, associate dean for academics, Jackson School of Geosciences
Nicole Evans, assistant dean for student services and administration, Jackson School of Geosciences
Carol Longoria, deputy to the president
Allen Walser, manager of reporting and analysis, IRRIS
Brenda Schumann, associate registrar
Lydia Cornell, Program Coordinator
Michelle George, administrative manager for faculty affairs, provost's office

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
 - ~~e. 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

DOCUMENTS OF THE GENERAL FACULTY

**PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN GEOLOGICAL SCIENCES,
OPTION I: GENERAL GEOLOGY 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

The current foreign language requirement for the BS GeoSci Option I, II and III degree plans has been incorporated into a new Language or Culture Electives requirement. This new requirement requires 6 semester hours of coursework in a single foreign language or in coursework recognized as a study of cultures on a domestic or global scale. It is the opinion of the Jackson School faculty that the proposed changes address the need for increased flexibility in the degree plan while maintaining an inclusive curriculum.

Add Computational/Data Analysis Course

Addition of new Geological Sciences course GEO 325H Computational Geosciences (*proposed course number; pending approval through CIM*) in parallel with existing course GEO 325J Programming in Fortran and Matlab, which is a major requirement for the BS GeoSci Option II: Geophysics degree. This new course is intended to provide a foundation for scientific computation and data analysis required for upper division coursework across all BS GeoSci degree options.

Standardize Technical Elective Requirement

To increase flexibility within the degree plan in order to accommodate the increasing depth and breadth of geoscience disciplines available to undergraduates and to encourage students to identify a 15-18 hour minor in a field of study outside of the geosciences. The revised BS Technical Elective requirement for BS GeoSci Option I, II and III will now require a) four courses (12 semester hours) from an approved list with no more than two lower-division courses outside of geological sciences. This list will be supplemented by recommended concentrations of geological sciences courses that, together with four recommended technical electives, will guide students who wish to pursue a specific study areas in geological sciences. Course concentrations are expected to better prepare students for independent research opportunities while undergraduates, and to provide improved preparation for graduate study in specific areas of the geological sciences

Example Course Concentration

Area: Marine Geosciences

- Technical Elective courses (4 total, 2 lower-division (maximum))
 - BIO 311C and BIO 311D
 - MNS 352 and MNS 367K
 - Other course options include: upper-division biology, marine science, physics and chemistry
- Concentration Courses (4-6 total; determined by each discipline faculty)
 - GEO 338C Marine Geology
 - GEO 338T Marine Tectonics (writing flag)
 - 348K Marine Field Cruise
 - At least of the following: GEO 346C, 468K, 376E, 339T, 340T, 327G, 476W, or independent GEO research course

3. THIS PROPOSAL INVOLVES (Please check all that apply)

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Courses in other colleges | <input type="checkbox"/> Courses in proposer's college that are frequently taken by students in other colleges | <input type="checkbox"/> Flags |
| <input type="checkbox"/> Course in the core curriculum | <input checked="" type="checkbox"/> Change in course sequencing for an existing program | <input checked="" type="checkbox"/> Courses that have to be added to the inventory |
| <input type="checkbox"/> Change in admission requirements (external or internal) | <input checked="" type="checkbox"/> Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office) | |

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 SCIENCE IN GEOLOGICAL SCIENCES

The Bachelor of Science in Geological Sciences (~~BSGeoSci~~) serves as a professional degree for students planning careers as geologists, geophysicists, or teachers, as well as for those planning to pursue graduate work in the geosciences or a profession such as law or business. Careers are available in the petroleum and related energy industries, resource evaluation, mineral exploration, geologic hazard monitoring, environmental control and reclamation, building foundation evaluation, groundwater contamination studies, soil testing, regional planning, watershed management, climate modeling, and college or secondary school teaching. Graduates may also work in state or federal agencies, in universities or museums, with consulting firms, or with service companies to the energy and mineral industries.

Degree requirements are divided into three categories: university-wide undergraduate degree requirements ~~A plan of study for the Bachelor of Science in Geological Sciences includes courses required by (the University Core Curriculum) and flag requirements, prescribed work for the degree, and required and elective major requirements. courses in geological sciences (preceded by their prerequisite courses).~~ Taken together, these courses make up an option, a degree plan with a particular concentration or emphasis. Thus, ~~individuals~~ students may develop intellectually challenging yet quite different plans of study according to their personal interests and goals.

Students seeking the Bachelor of Science in Geological Sciences degree must choose one of four options-- I: General Geology, II: Geophysics, III: Hydrogeology, or V: Teaching. (Option IV: Environmental Science and Sustainability is no longer offered.)

Additional Requirements Specific to the BS Geological Sciences, Opts I, II & III

Thirty-six semester hours of upper- division coursework must be completed in residence at the University. At least eighteen of these hours must be in geological sciences and at least twelve of the thirty-six hours must be outside geological sciences.

A total of 126 hours of coursework including core, prescribed and major work.

In addition to the prescribed work outlined below, all students must complete the University's core curriculum (p. 23). In some cases, a course that is required for the BSGeoSci may also be counted toward the core curriculum; these courses are identified below. 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. Ethic and leadership: one flagged course
6. Independent inquiry: one flagged course

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.

Prescribed Work

BS Geological Sciences Option I, II and III Common to All Options

1. Foreign Language: Courses 506 and 507 (or the equivalent) in a single foreign language, or as much of this coursework as required by the student's score on the appropriate language placement test. Students in the teaching option must fulfill a different foreign language requirement, given with the other option requirements. For students who enter the University with fewer than two high school units in a single foreign language, the first two semesters in a language may not be counted toward the total number of semester hours required for the degree.
2. Upper division Coursework: Thirty six semester hours of upper division coursework must be completed in residence at the University. For students in Options options I, II, and III, at least eighteen of these hours must be in geological sciences and for students in Option option V, at least twelve hours must be in geological sciences. (Option IV: Environmental Science and Sustainability is no longer offered.) For all options, at least twelve of the thirty six hours must be outside geological sciences.
 1. Mathematics 408C and 408D; or 408K, 408L, and 408M. Mathematics 408C or 408K also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward the total number of semester hours required for the degree.
 2. Physics 301, 101L, 316, and 116L; or Physics 303K, 103M, 303L, and 103N.
 3. Chemistry 301, and 302, and 204. Together, the courses that meet requirements 2 and 3 also meet parts I and II of the science and technology requirement of the core curriculum.
 4. Geological Sciences 401 or 303, 416K, 416M, 420K, and 428.
 5. Technical Electives: Twelve semester hours of approved science and engineering courses offered outside of the GEO field of study with no more than 6 semester hours of lower-division courses. These courses may be coordinated with additional recommended GEO elective courses to form a geoscience course concentration. A list of approved technical elective courses and geoscience course concentrations is available in the JSG Advising Office.
 6. Language or Culture Electives: Six semester hours of coursework in a foreign language or approved coursework recognized as a study of cultures on a domestic or global scale. A list of approved cultural courses is available in the JSG Advising Office. Courses that fulfill this requirement must be in addition to courses counted toward the core curriculum or flag requirements.

Major Requirements**Option I: General Geology**

1. Geological Sciences 405, 325H, and 426P.
2. Six semester hours of approved field and/or research coursework. This requirement may be met by Geological Sciences 660A and 660B. Field/research requirement courses should be completed during the same summer semester.
3. Fifteen additional hours of approved upper division coursework in geological sciences.

1. ~~Mathematics 408C and 408D; or 408K, 408L, and 408M. Mathematics 408C or 408K also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward the total number of semester hours required for the degree.~~
2. ~~Physics 301, 101L, 316, and 116L; or Physics 303K, 103M, 303L, and 103N.~~
3. ~~Chemistry 301, 302, and 204. Together, the courses that meet requirements 2 and 3 also meet parts I and II of the science and technology requirement of the core curriculum.~~
4. ~~Geological Sciences 401 or 303, 404C or 405, 416K, 416M, 420K, 426P, 428, 660 (completed in residence), and enough additional approved upper division coursework in geological sciences to make a total of fifty two semester hours.~~
5. ~~Twelve semester hours chosen from a list of approved courses in aerospace engineering, architectural engineering, astronomy, biology, chemical engineering, chemistry, civil engineering, computer science, engineering mechanics, geography, marine science, mathematics, mechanical engineering, petroleum and geosystems engineering, and physics. Geological Sciences 325K may also be counted toward requirement~~

This requirement is intended to function as an unspecified minor. Courses used to fulfill the requirement do not have to be taken in the same field of study, but they should form a self-reinforcing sequence related to geological sciences. Courses not on the list of approved courses will be considered upon petition to the Jackson School of Geoscience Student Services Office.

6. ~~Enough additional coursework to make a total of 126 semester hours.~~

Suggested Arrangement of Courses**BS Geological Sciences, Option I: General Geology****First Year**

First Term	Hours	Second Term	Hours
<u>GEO 401 or 303</u>	4	<u>GEO 405</u>	4
<u>M 408C</u>	4	<u>M 408D</u>	4
<u>CH 301</u>	3	<u>CH 302</u>	3
<u>UGS 302 or 303</u>	3	<u>E 316L, M, N or P</u>	3
<u>RHE 306</u>	3	<u>GEO Mentor Course</u>	0
	17		14

Second Year

First Term	Hours	Second Term	Hours
<u>GEO 416K</u>	4	<u>GEO 420K</u>	4
<u>GEO 416M</u>	4	<u>GEO 325H*</u>	3
<u>PHY 303K</u>	3	<u>PHY 303L</u>	3
<u>PHY 103M</u>	1	<u>PHY 103N</u>	1
<u>HIS 315K</u>	3	<u>Visual/Perf Arts</u>	3
	15		14

Third Year

First Term	Hours	Second Term	Hours
<u>GEO 428</u>	4	<u>GEO 426P</u>	4
<u>GEO UDE</u>	3	<u>Tech Elective</u>	3
<u>Tech Elective</u>	3	<u>GEO UDE</u>	3
<u>HIS 315L</u>	3	<u>UD Elective</u>	3
<u>Language or Culture</u>	3		

<u>Summer</u>	<u>16</u>		<u>13</u>
<u>GEO 660A</u>	<u>3</u>		
<u>GEO 660B</u>	<u>3</u>		
	<u>6</u>		
<u>Fourth Year</u>			
<u>First Term</u>	<u>Hours</u>	<u>Second Term</u>	<u>Hours</u>
<u>GEO UDE</u>	<u>3</u>	<u>GEO UDE</u>	<u>4</u>
<u>GEO UDE</u>	<u>3</u>	<u>Tech Elective UD</u>	<u>3</u>
<u>Tech Elective UD</u>	<u>3</u>	<u>Social/Behavioral Sci.</u>	<u>3</u>
<u>GOV 310L</u>	<u>3</u>	<u>GOV 312L</u>	<u>3</u>
<u>Language or Culture</u>	<u>3</u>	<u>UD Elective</u>	<u>3</u>
	<u>15</u>		<u>16</u>
<hr/>			
<i>Total Credit Hours</i>	<i>126</i>		

DOCUMENTS OF THE GENERAL FACULTY

**PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN GEOLOGICAL SCIENCES,
OPTION II: GEOPHYSICS 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

Standardize Technical Elective Requirement

To increase flexibility within the degree plan in order to accommodate the increasing depth and breadth of geoscience disciplines available to undergraduates and to encourage students to identify a 15-18 hour minor in a field of study outside of the geosciences. The revised BS Technical Elective requirement for BS GeoSci Option I, II and III will now require a) four courses (12 semester hours) from an approved list with no more than two lower-division courses outside of geological sciences. This list will be supplemented by recommended concentrations of geological sciences courses that, together with four recommended technical electives, will guide students who wish to pursue a specific study areas in geological sciences. Course concentrations are expected to better prepare students for independent research opportunities while undergraduates, and to provide improved preparation for graduate study in specific areas of the geological sciences

Example Course Concentration

Area: Marine Geosciences

- Technical Elective courses (4 total, 2 lower-division (maximum))
 - BIO 311C and BIO 311D
 - MNS 352 and MNS 367K
 - Other course options include: upper-division biology, marine science, physics and chemistry
- Concentration Courses (4-6 total; determined by each discipline faculty)
 - GEO 338C Marine Geology
 - GEO 338T Marine Tectonics (writing flag)
 - 348K Marine Field Cruise

3. THIS PROPOSAL INVOLVES (Please check all that apply)

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Courses in other colleges | <input type="checkbox"/> Courses in proposer's college that are frequently taken by students in other colleges | <input type="checkbox"/> Flags |
| <input type="checkbox"/> Course in the core curriculum | <input checked="" type="checkbox"/> Change in course sequencing for an existing program | <input checked="" type="checkbox"/> Courses that have to be added to the inventory |
| <input type="checkbox"/> Change in admission requirements (external or internal) | <input checked="" type="checkbox"/> Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office) | |

4. SCOPE OF PROPOSED CHANGE

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

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:

Option II: Geophysics

- ~~1. Mathematics 408C and 408D, or 408K, 408L, and 408M; 427K; and 427L. Mathematics 408C or 408K also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward the total number of semester hours required for the degree.~~
- ~~2. Physics 301, 101L, 315, 115L, 316, and 116L.~~
- ~~3. Chemistry 301 and 302. Together, the courses that meet requirements 2 and 3 also meet parts I and II of the science and technology requirement of the core curriculum.~~
- ~~4. Geological Sciences 401 or 303, 416K, 416M, 420K, 325J, 325K, 428, 354, 365P, 465K, 366M, and three additional hours of approved upper division coursework in geological sciences.~~
- ~~5. Six semester hours in approved field/research courses. This requirement may be met by several courses, including Geological Sciences 348K, 660, 661, 376L, 679G, and approved off-campus geophysics field courses.~~
- ~~6. Six semester hours of technical electives chosen from a list of approved coursework in mathematics, physics, computer science, engineering, and related fields. A list of approved courses is available in the Jackson School of Geoscience Student Services Office. Technical elective credit for courses not on the approved list may be requested by petition. These courses will be added to the list after geophysics faculty review and approval.~~
- ~~7. Enough additional coursework to make a total of 126 semester hours.~~
 1. Mathematics 427J and 427L.
 2. Physics 315 and 115L.
 3. Geological Sciences 325J, 325K, 354, 365P, 465K, 366M.
 4. Six semester hours of approved field and/or research coursework. This requirement may be met by Geological Sciences 348K, 660A/B, 661A/B, 376L, 679G, or an approved off-campus geophysics field or research course. Field/research requirement courses should be completed during the same summer semester.
 5. Three additional hours of approved upper division coursework in geological sciences.

Suggested Arrangement of Courses

BS Geological Sciences, Option II: Geophysics

First Year

First Term

GEO 303

M 408C

CH 301

UGS 302 or 303

Hours

3

4

3

3

Second Term

PHY 301

PHY 101L

M 408D

CH 302

Hours

3

1

4

3

<u>RHE 306</u>	<u>3</u>	<u>E 316 L, M, N or P</u>	<u>3</u>
	<u>16</u>		<u>14</u>
<u>Second Year</u>			
<u>First Term</u>	<u>Hours</u>	<u>Second Term</u>	<u>Hours</u>
<u>GEO 416K</u>	<u>4</u>	<u>GEO 420K</u>	<u>4</u>
<u>GEO 416M</u>	<u>4</u>	<u>GEO 325J</u>	<u>3</u>
<u>PHY 316</u>	<u>3</u>	<u>PHY 315</u>	<u>3</u>
<u>PHY 116L</u>	<u>1</u>	<u>PHY 115L</u>	<u>1</u>
<u>M 427J</u>	<u>4</u>	<u>M 427L</u>	<u>4</u>
	<u>16</u>		<u>15</u>
<u>Third Year</u>			
<u>First Term</u>	<u>Hours</u>	<u>Second Term</u>	<u>Hours</u>
<u>GEO 325K</u>	<u>3</u>	<u>GEO 365P</u>	<u>3</u>
<u>GEO 465K</u>	<u>4</u>	<u>Visual/Perform Arts</u>	<u>3</u>
<u>GEO 428</u>	<u>4</u>	<u>Social/Behavioral Sci.</u>	<u>3</u>
<u>Tech Elective</u>	<u>3</u>	<u>Tech Elective</u>	<u>3</u>
	<u>14</u>	<u>Language or Culture</u>	<u>3</u>
			<u>15</u>
<u>Summer</u>			
<u>Field/Research Course</u>	<u>6</u>		
	<u>6</u>		
<u>Fourth Year</u>			
<u>First Term</u>	<u>Hours</u>	<u>Second Term</u>	<u>Hours</u>
<u>GEO 366M</u>	<u>3</u>	<u>GEO 354</u>	<u>3</u>
<u>Language or Culture</u>	<u>3</u>	<u>GEO UDE</u>	<u>3</u>
<u>Tech Elective UD</u>	<u>3</u>	<u>Tech Elective UD</u>	<u>3</u>
<u>GOV 310L</u>	<u>3</u>	<u>GOV 312L</u>	<u>3</u>
<u>HIS 315K/L</u>	<u>3</u>	<u>HIS 315K/L</u>	<u>3</u>
	<u>15</u>		<u>15</u>
<hr/>			
<u>Total Credit Hours 126</u>			

DOCUMENTS OF THE GENERAL FACULTY

**PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN GEOLOGICAL SCIENCES,
OPTION III: HYDROGEOLOGY 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

Geosciences, Department of Geological Sciences has expanded the number of courses that provide for and will satisfy the field experience requirement of a geological sciences degree. Additionally, growth in related degree programs such as the BS, Environmental Science (JSG, CNS, CLA) and BS, Geosystems Engineering and Hydrogeology (JSG+ENGR) have further increased demand for introductory and summer field courses. These courses have been made available to students to satisfy field experience requirements by petition for a few years and therefore are being proposed for addition to the 2016-18 catalog.

Foreign Language Requirement

The current foreign language requirement for the BS GeoSci Option I, II and III degree plans has been incorporated into the degrees new Language or Culture Electives requirement. This new requirement requires 6 semester hours of coursework in a single foreign language or in coursework recognized as a study of cultures on a domestic or global scale. It is the opinion of the Jackson School faculty that the proposed changes address the need for increased flexibility in the degree plan while maintaining an inclusive curriculum.

Add Computational/Data Analysis Course

Addition of new Geological Sciences course GEO 325H Computational Geosciences (*proposed course number; pending approval through CIM to be offered Spring 2017*) in parallel with existing course GEO 325J Programming in Fortran and Matlab, which is a major requirement for the BS GeoSci Option II: Geophysics degree. This new course is intended to provide a foundation for scientific computation and data analysis required for upper division coursework across all BS GeoSci degree options.

Standardize Technical Elective Requirement

To increase flexibility within the degree plan in order to accommodate the increasing depth and breadth of geoscience disciplines available to undergraduates and to encourage students to identify a 15-18 hour minor in a field of study outside of the geosciences. The revised BS Technical Elective requirement for BS GeoSci Option I, II and III will now require a) four courses (12 semester hours) from an approved list with no more than two lower-division courses outside of geological sciences. This list will be supplemented by recommended concentrations of geological sciences courses that, together with four recommended technical electives, will guide students who wish to pursue a specific study areas in geological sciences. Course concentrations are expected to better prepare students for independent research opportunities while undergraduates, and to provide improved preparation for graduate study in specific areas of the geological sciences

Example Course Concentration

Area: Marine Geosciences

- Technical Elective courses (4 total, 2 lower-division (maximum))
 - BIO 311C and BIO 311D
 - MNS 352 and MNS 367K
 - Other course options include: upper-division biology, marine science, physics and chemistry
- Concentration Courses (4-6 total; determined by each discipline faculty)
 - GEO 338C Marine Geology

- GEO 338T Marine Tectonics (writing flag)
- 348K Marine Field Cruise
- At least of the following: GEO 346C, 468K, 376E, 339T, 340T, 327G, 476W, or independent GEO research course

3. THIS PROPOSAL INVOLVES (Please check all that apply)

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Courses in other colleges | <input type="checkbox"/> Courses in proposer's college that are frequently taken by students in other colleges | <input type="checkbox"/> Flags |
| <input type="checkbox"/> Course in the core curriculum | <input checked="" type="checkbox"/> Change in course sequencing for an existing program | <input checked="" type="checkbox"/> Courses that have to be added to the inventory |
| <input type="checkbox"/> Change in admission requirements (external or internal) | <input checked="" type="checkbox"/> Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office) | |

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:**Option III: Hydrogeology**

- ~~1. Mathematics 408C and 408D, or 408K, 408L, and 408M; and 427K. Mathematics 408C or 408K also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward the total number of semester hours required for the degree.~~
 - ~~2. Physics 301, 101L, 316, and 116L; or 303K, 103M, 303L, and 103N.~~
 - ~~3. Chemistry 301, 302, and 204.~~
 - ~~4. Biology 311C. Together, the courses that meet requirements 2 and 3 also meet parts I and II of the science and technology requirement of the core curriculum; Biology 311C may also be used to meet part II of that requirement.~~
 - ~~5. The following coursework in geological sciences:

 - ~~a. Geological Sciences 401 or 303, 416K, 416M, 420K, 428, 476K, 476M, and 376S~~
 - ~~b. Six semester hours of field experience which must include Geological Sciences 376L and three additional hours selected from one of the following: Geological Sciences 660A, 660B, or 679J, or other appropriate course approved in advance by the Jackson School of Geoscience (JSG) Student Services Office.~~
 - ~~c. Three upper division semester hours in hydrogeology or a related area, chosen from Geological Sciences 325K, 376E, 377P, 327G, or other approved course~~
 - ~~d. Nine additional semester hours of upper division coursework in geological sciences.~~~~
 - ~~6. Six semester hours chosen from a list of approved courses in biology, chemistry, civil engineering, geography, marine science, mathematics, mechanical engineering, and petroleum and geosystems engineering. A list of approved courses is available in the JSG Student Services Office.~~
 - ~~7. This requirement is intended to function as an unspecified minor. Courses used to fulfill the requirement do not have to be taken in the same field of study, but they should form a self reinforcing sequence related to geological sciences. Courses not on the list of approved courses will be considered upon petition to the JSG Student Services Office.~~
 - ~~8. Enough additional coursework to make a total of 126 semester hours.~~
1. Mathematics 427J.
 2. Chemistry 204.
 3. Geological Sciences 325H, 476K, 476M, 376S.
 4. Geological Sciences 376L and an additional three semester hours of approved field experience coursework. This requirement may be met by Geological Sciences 660A/B, 476W, 377K or 679J. Other off-campus hydrogeology field/research courses will be considered upon petition submitted to the Jackson School prior to that semester registration period. Field/research requirement courses should be completed during the same summer semester.
 5. Nine additional semester hours of approved upper-division coursework in geological sciences.

Suggested Arrangement of Courses**BS Geological Sciences, Option III: Hydrogeology**

First Year			
First Term	Hours	Second Term	Hours
<u>GEO 401 or 303</u>	<u>4</u>	<u>E 316L, M, N or P</u>	<u>3</u>
<u>M 408C</u>	<u>4</u>	<u>M 408D</u>	<u>4</u>
<u>CH 301</u>	<u>3</u>	<u>CH 302</u>	<u>3</u>
<u>UGS 302 or 303</u>	<u>3</u>	<u>CH 204</u>	<u>2</u>
<u>RHE 306</u>	<u>3</u>	<u>HIS 315K/L</u>	<u>3</u>
	<u>17</u>		<u>15</u>
Second Year			
First Term	Hours	Second Term	Hours
<u>GEO 416K</u>	<u>4</u>	<u>GEO 420K</u>	<u>4</u>
<u>GEO 416M</u>	<u>4</u>	<u>M 427J</u>	<u>4</u>
<u>PHY 303K</u>	<u>3</u>	<u>PHY 303L</u>	<u>3</u>
<u>PHY 103M</u>	<u>1</u>	<u>PHY 103N</u>	<u>1</u>
<u>HIS 315K/L</u>	<u>3</u>	<u>GEO 325H*</u>	<u>3</u>
	<u>15</u>		<u>15</u>
Third Year			
First Term	Hours	Second Term	Hours
<u>GEO 428</u>	<u>4</u>	<u>GEO 476M</u>	<u>4</u>
<u>GEO 476K</u>	<u>4</u>	<u>Tech Elective</u>	<u>3</u>
<u>Tech Elective</u>	<u>3</u>	<u>GOV 312P</u>	<u>3</u>
<u>GOV 310L</u>	<u>3</u>	<u>GEO UDE</u>	<u>3</u>
		<u>UD Elective</u>	<u>3</u>
	<u>14</u>		<u>16</u>
Summer			
<u>GEO 376L</u>	<u>3</u>		
<u>Field experience</u>	<u>3</u>		
	<u>6</u>		
Fourth Year			
First Term	Hours	Second Term	Hours
<u>GEO 376S</u>	<u>3</u>	<u>GEO UDE</u>	<u>3</u>
<u>GEO UDE</u>	<u>4</u>	<u>Social/Behavioral Sci</u>	<u>3</u>
<u>Language or Culture</u>	<u>3</u>	<u>Language or Culture</u>	<u>3</u>
<u>Tech Elective UD</u>	<u>3</u>	<u>Tech Elective UD</u>	<u>3</u>
		<u>Visual/Perf Arts</u>	<u>3</u>
	<u>13</u>		<u>15</u>
<hr/>			
<i>Total Credit Hours 126</i>			

**Pending approval and addition to course inventory.*

DOCUMENTS OF THE GENERAL FACULTY

**PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN GEOLOGICAL SCIENCES,
OPTION V: UTEACH 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

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:

Option V: Teaching

The BS Geological Sciences, Option V: UTeach This option is designed to fulfill the course requirements for composite science certification as a middle grades or secondary school teacher in Texas with geological sciences as the primary teaching field; composite certification requires twenty-four semester hours of coursework in the primary field, twelve hours in a second field, and six hours each in two additional fields.

Additional Requirements Specific to the BS Geological Sciences, Option V: UTeach

Students must meet the following requirements to graduate and be recommended for certification.

- University grade point average of at least 2.50.
- Successful completion of secondary teacher certification and identified discipline specific content courses.
- Successful passing of final teaching portfolio review, conducted by the UTeach Program in Natural Sciences. Information about the portfolio review and additional certification requirements is available from the UTeach-Natural Sciences academic adviser.

Composite certification requires twenty-four semester hours of coursework in the primary field, twelve hours in a second field, and six hours each in two additional fields.

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

1. In place of the foreign language requirement, either two years of high school coursework in a single foreign language or course 506 (or the equivalent) in a foreign language. Biology 337 (Topic 2: *Research Methods: UTeach*), Chemistry 368 (Topic 1: *Research Methods: UTeach*), or Physics 341 (Topic 7: *Research Methods: UTeach*).
- ~~2. Mathematics 408C. This course also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward the total number of semester hours required for the degree.~~
- ~~3.~~ 2. History 329U or Philosophy 329U.
3. Eighteen semester hours of professional development coursework, consisting of:
 - a. Curriculum and Instruction 650S;
 - b. UTeach-Natural Sciences 101, 110, 350, 355, 360, and 170.
4. Geological Sciences 401 or 303, 404C or 405, 416K, 416M, 420K or 320L, and 335, and enough additional upper-division coursework in geological sciences to make a total of at least twenty-eight semester hours. For students seeking middle grades certification, the following coursework is required:
 - c. Educational Psychology 363M (Topic 3: *Adolescent Development*), or Psychology 301 and 304.
 - d. Curriculum and Instruction 339E.

Major Requirements

- ~~5.~~ 5. Mathematics 408C. This course also meets the mathematics requirement of the core curriculum. Algebra courses at the level of Mathematics 301 or the equivalent may not be counted toward the total number of semester hours required for the degree.
- ~~5.~~ 6. To meet the requirements of composite certification, the student must complete the following courses. In meeting this requirement, the student also fulfills parts I and II of the science and technology requirement of the core curriculum.
 - a. Biology 311C and 311D
 - b. Chemistry 301 and 302
 - c. Physics 302K, 102M, 302L, and 102N; or 301, 101L, 316, and 116L; or an equivalent sequence
 - d. Enough additional approved coursework in biology, chemistry, or physics to provide the required twelve semester hours in a second field
- ~~6.~~ 6. Biology 337 (Topic 2: *Research Methods: UTeach*), Chemistry 368 (Topic 1: *Research Methods: UTeach*), or Physics 341 (Topic 7: *Research Methods: UTeach*).
7. Astronomy 303, 307, or 367M; and Marine Science 307.
8. Eighteen semester hours of professional development coursework, with a grade of at least C in each course: Curriculum and Instruction 650S, UTeach-Natural Sciences 101, 110, 350, 355, 360, 170. Geological Sciences 401 or 303, 405, 416K, 416M, 420K or 320L, and 335.
9. For students seeking middle grades certification, the following coursework with a grade of at least C in each course: Educational Psychology 363M.3 (Topic 3: *Adolescent Development*), or Psychology 301 and 304; and Curriculum and Instruction 339E. Enough additional upper-division coursework to total at least twenty-eight semester hours in geological sciences.
10. Enough additional coursework to make a total 128 semester hours including core, prescribed and major work.

Suggested Arrangement of Courses
BS Geological Sciences, Option V: UTeach, Middle & Senior Grades

First Year

First Term	Hours	Second Term	Hours
<u>GEO 401 or 303</u>	<u>3</u>	<u>GEO 405</u>	<u>4</u>
<u>M 408C</u>	<u>4</u>	<u>CH 302</u>	<u>3</u>
<u>CH 301</u>	<u>3</u>	<u>UTS 110 (Step 2)</u>	<u>1</u>
<u>UTS 101 (Step 1)</u>	<u>1</u>	<u>BIO 311C</u>	<u>3</u>
<u>UGS 302 or 303</u>	<u>3</u>	<u>RHE 306</u>	<u>3</u>
	<u>14</u>		<u>14</u>

Second Year

First Term	Hours	Second Term	Hours
<u>GEO 416K</u>	<u>4</u>	<u>GEO 420K or 320L*</u>	<u>4</u>
<u>GEO 416M</u>	<u>4</u>	<u>HIS 329U or PHL 329U</u>	<u>3</u>
<u>BIO 311D</u>	<u>3</u>	<u>PHY 303K/103M</u>	<u>4</u>
<u>EDC 365C or UTS 350</u>	<u>3</u>	<u>Social Science</u>	<u>3</u>
<u>EDP 363M**</u>	<u>3</u>	<u>EDC 365D or UTS 355</u>	<u>3</u>
	<u>17</u>		<u>17</u>

Summer

<u>GOV 310L</u>	<u>3</u>
<u>E 316L, M, N or P</u>	<u>3</u>
	<u>6</u>

Third Year

First Term	Hours	Second Term	Hours
<u>GEO UDE</u>	<u>4</u>	<u>GEO UDE</u>	<u>3</u>
<u>GOV 312L</u>	<u>3</u>	<u>MNS 307</u>	<u>3</u>
<u>PHY 303L/103N</u>	<u>4</u>	<u>UD Elective (Science)</u>	<u>3</u>
<u>Elective (Science)</u>	<u>3</u>	<u>GEO 335</u>	<u>3</u>
<u>BIO 337 or CH 337 or PHY 337</u>	<u>3</u>	<u>History</u>	<u>3</u>
	<u>17</u>		<u>15</u>

Fourth Year

First Term	Hours	Second Term	Hours
<u>GEO UDE</u>	<u>3</u>	<u>EDC 650S</u>	<u>6</u>
<u>EDC 365E</u>	<u>3</u>	<u>UTS 170</u>	<u>1</u>
<u>EDC 339E***</u>	<u>3</u>		
<u>AST 303 or 307 or 367M</u>	<u>3</u>		
<u>Vis/Performing Art</u>	<u>3</u>		
	<u>15</u>		<u>7</u>

Total Credit Hours 128

**Offered in summer*

Senior Grades Track

***Not required*

****Replace with 2nd History course (3 hrs)*

DOCUMENTS OF THE GENERAL FACULTY

**PROPOSED CHANGES TO THE GRADUATION SECTION 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

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:

GRADUATION

Special Requirements of the School

All students must fulfill the general requirements (p. 17) for graduation. Students in the Jackson School must also fulfill the following requirements:

1. All University students must have a grade point average of at least 2.00 to graduate. Jackson school students must also have a grade point average in geological science courses of at least 2.00. Students in the Geological Sciences Departmental Honors Program must have a University grade point average of at least 3.00 and a grade point average in geological science courses of at least 3.50.
2. The University requires that the student complete in residence at least sixty semester hours of the coursework counted toward the degree. For the Bachelor of Arts in Geological Sciences, these sixty hours must include at least eighteen hours in geological sciences.
2. 3. The University requires that at least six semester hours of advanced coursework in the major be completed in residence. Options I, II, and III of the Bachelor of Science in Geological Sciences require at least eighteen hours of upper-division coursework in geological sciences to be completed in residence; option Option V requires at least twelve hours. (Option IV: Environmental Science and Sustainability is no longer offered.)
3. ~~An Air Force, Army, or Naval Reserve Officer Training Corps (ROTC) student who elects the basic and/or advanced program in air force science, military science, or naval science will not be approved for graduation until the student's government contract is completed or the student is released from the ROTC.~~

~~Non-residence Coursework~~

~~A student in his or her final semester may not enroll concurrently at another institution in any course, including a distance education course, to be counted toward the degree. In the final semester, the student may also not~~

~~enroll by extension or correspondence in coursework to be counted toward the degree. All transfer, extension, and correspondence coursework must be added to the student's official record before his or her last semester.~~

Degree Audit

Each student should view their personal electronic degree audit available each semester through IDA, the University's Interactive Degree Audit (<http://registrar.utexas.edu/students/degrees/ida>) system. The degree audit tells the student the courses he or she must take and the requirements he or she must fulfill to receive the degree. Although the degree audit normally provides an accurate statement of requirements, the student is responsible for knowing and meeting the requirements of the degree as stated in the undergraduate catalog under which he or she is eligible to graduate; ~~(see refer to the rules on graduation under a particular catalog in *General Information*, (p. 18)).~~ Since the student is responsible for correct registration toward completion of the degree program, ~~he or she should consult with a JSG academic advisor before registering if~~ in doubt about any requirement, ~~the student should seek an official ruling in the Jackson School of Geosciences (JSG) Student Services Office before registering.~~

~~Ninety-hour Degree Audit~~

~~Upon earning ninety semester hours of credit toward the degree, each JSG student is expected to review their degree audit and schedule a ninety-hour degree audit meeting with a JSG academic advisor before the next semester's registration period begins. Failure to do so may delay the student's graduation.~~

Final Degree Audit

Prior to registering for the last semester of their Jackson School of Geosciences (JSG) degree program each JSG student must meet with a JSG academic advisor to review their final degree audit. ~~and meet with a JSG academic advisor. Students must~~ It is the student's responsibility to complete all procedures associated with the final degree audit in a timely manner.

Any student who does not graduate when eligible must promptly contact the JSG Student Services Office. An academic adviser will advise the student what steps are needed for future registration and graduation.

Applying for Graduation

Students must be registered at the University and must file a graduation application form in the JSG Student Services Office the first semester they are eligible to graduate. A student is considered eligible to graduate if he or she can complete all degree requirements by registering for twelve semester hours or fewer. Graduation applications should be submitted during the first week of classes. No graduation applications will be accepted after the University's published deadline, ~~and no degree will be conferred unless the graduation application form is filed on time.~~ Failure to adhere to these procedures and deadlines will jeopardize the student's potential graduation as well as future registration in the Jackson School.

Commencement

In addition to the University commencement ceremony held each spring, the Jackson School holds graduation ceremonies in December and May. Students graduating with University Honors, School Honors and Jackson Scholars are recognized at this ceremony.

Summer Graduates

August degree candidates who have completed a final degree audit may participate in the spring Jackson School commencement ceremony preceding their official graduation date. In addition to completing a final degree audit, students completing their degree requirements in the summer session have the option of "walking" in the spring Jackson School of Geosciences Commencement ceremony preceding their official graduate date. To be eligible, students must complete a final degree audit and submit an application to walk in the ceremony by the published deadlines. Neither the application to walk nor participation in any commencement events constitute applying to graduate or official completion of a degree program

DOCUMENTS OF THE GENERAL FACULTY

PROPOSED CHANGES TO THE ACADEMIC POLICY AND PROCEDURE SECTION 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

acquisition of required knowledge and skills. Including this information in the undergraduate catalog is intended to emphasize its importance as well as establish an expectation for Jackson School students.

3. THIS PROPOSAL INVOLVES (Please check all that apply)

- | | | |
|--|---|---|
| <input type="checkbox"/> Courses in other colleges | <input type="checkbox"/> Courses in proposer's college that are frequently taken by students in other colleges | <input type="checkbox"/> Flags |
| <input type="checkbox"/> Course in the core curriculum | <input type="checkbox"/> Change in course sequencing for an existing program | <input type="checkbox"/> Courses that have to be added to the inventory |
| <input type="checkbox"/> Change in admission requirements (external or internal) | <input checked="" type="checkbox"/> Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office) | |

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:**ACADEMIC POLICIES AND PROCEDURES****Mathematics Placement**

Mathematics, in the form of calculus or statistics, is required for all geological sciences degrees. To enroll in a calculus or statistics course, students must first take the mathematics placement exam. All incoming Jackson School students are required to complete this placement exam before the start of fall classes, preferably during summer orientation.

Minimum Scholastic Requirements

The student must earn a cumulative grade point average of at least 2.00 in all courses taken at the University of Texas at Austin (including credit by examination, correspondence, and extension) for which a grade or symbol other than *Q*, *W*, *X*, or *CR* is recorded. In addition, the student must earn a grade point average (GPA) of at least 2.00 in geological sciences courses taken at the University and counted toward the major requirement. The student must earn a grade of at least *C-* in each course used to fulfill any of the requirements for the degree. For more information about grades and the grade point average, see *General Information*

Academic Probation and Dismissal

Students are expected to make continuous progress toward the degree while maintaining the University minimum scholastic requirements. A student is placed on academic probation if his or her grade point average falls below 2.00. University regulations on scholastic probation and dismissal are given in *General Information*.

Students on academic probation are expected to focus on academic improvement and thus are not allowed to hold student offices (elected or appointed) or to receive college stipends for travel to professional meetings or other college-sponsored events.

Students in the BS Geosystems Engineering and Hydrogeology degree program must maintain the scholastic requirements of the Cockrell School of Engineering. Although GEH students have an active student status in the Jackson School, they are subject to the academic policies and procedures of the Cockrell School.

Repetition of a Course

A student may not enroll in any course in the Jackson School more than twice, even if the course is needed to meet degree requirements, without first obtaining written consent from the Associate Dean for Academic Affairs, in the Undergraduate Student Services Office. The symbol *Q* or *W* counts as an enrollment unless it has been approved by the Associate Dean for Academic Affairs as nonacademic. Undergraduate Student Services Office for nonacademic reasons.

A student who is denied approval to repeat a course in residence at the University will also be denied approval to complete the course by transfer, extension, correspondence, distance education, or credit by examination and then count it towards the degree.

Concurrent Enrollment

Concurrent enrollment is enrollment simultaneously at the University and at another educational institution or

in any combination of correspondence, extension and online or distance education courses. During a long semester students enrolled in the Jackson School of Geosciences are not allowed to take courses at another school or institution or by correspondence or extension at the University unless approved in advance by the Associate Dean for Academic Affairs.

A student in his or her final semester may not enroll concurrently at another institution in any course, including a distance education course, to be counted toward the degree. In the final semester, the student may also not enroll by extension or correspondence in coursework to be counted toward the degree. All transfer, extension, and correspondence coursework must be added to the student's official record before his or her last semester.

Undergraduates in a Graduate Course

The Jackson School encourages undergraduates who excel academically and would benefit from further challenges to enroll in graduate courses. With permission, undergraduates may count graduate courses toward their undergraduate degrees or may reserve them for graduate credit. To enroll in a graduate course, undergraduates must meet the University's eligibility requirements and must receive permission from the course instructor, the graduate adviser for the offering department, and the dean's office. Undergraduates reserving courses for graduate credit must also receive permission from the graduate dean. More information is available in *General Information* under Coursework in the Graduate School and the School of Law.

Petitions for Degree Requirements

Petitions for exceptions to degree requirements, with the exception of the University-wide core curriculum, are handled through the JSG Student Services Office. After meeting with the student, an academic adviser initiates the petition on the student's behalf and routes it to the appropriate faculty. The most common reason for petitioning is to request the substitution of transfer coursework for a specific degree requirement. Final decisions on all petitions are made by the Jackson School dean's office.

Attendance

Jackson School students are expected to attend all meetings of the classes for which they are registered. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have attendance requirements; these should be made known to students during the first week of classes. With the approval of the dean, a student may be dropped from a course with a grade of *F* for repeated unexcused absences.

DOCUMENTS OF THE GENERAL FACULTY

**PROPOSED CHANGES TO THE ADMISSIONS SECTION 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

- 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:

ADMISSION AND REGISTRATION

Admission

Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. All students who wish to major in geological sciences must be admitted to the University according to the procedures given in *General Information*. Students admitted to the University with deficiencies in high school units must remove the deficiencies as prescribed in *General Information*.

Admission to the Jackson School is granted for the fall semester only. All freshmen and external transfer students are expected to attend New Student Orientation the summer before they enter the school.

Admission to the Geological Sciences Program

Freshman Admission

Freshman applicants seeking admission to the Jackson School must meet the calculus readiness requirement by the official admissions application deadline. More information about the calculus readiness requirement is available through the University Admissions Office or online at <http://admissions.utexas.edu>. ~~Be A Longhorn~~ (~~<http://bealonghorn.utexas.edu>~~).

Applicants to the Jackson School of Geosciences ~~should~~ **must** use the ApplyTexas (<http://www.applytexas.org>) online application and select Geological Sciences, entry-level as a first-choice major. When selecting a second-choice major, freshman applicants may choose from one of the many other majors offered at the University.

Those students interested in applying to the environmental science or geosystems engineering and hydrogeology degree programs should refer to the information provided below.

External Transfer Admission

Students who wish to transfer to the University from another college or university must apply to the Office of Admissions as described in *General Information*. External transfer applicants seeking admission to the Jackson School of Geosciences (JSG) must demonstrate calculus readiness by the official admissions application deadline. ~~Applicants with additional math and science credentials may receive priority consideration.~~ Details regarding transfer calculus readiness are available through the University admissions office or online at <http://admissions.utexas.edu>. ~~Be A Longhorn (<http://bealonghorn.utexas.edu>).~~ External transfer applicants to the Jackson School ~~should~~ must use the ApplyTexas (<http://www.applytexas.org>) online application and select Geological Sciences, entry-level as a first choice major.

Only courses listed in the student's geosciences degree program, or equivalent courses approved by the ~~Associate Dean for Academic Affairs~~ associate dean for academic affairs, may be counted toward a geosciences degree. A course may therefore be accepted for transfer credit but not be applicable toward a geosciences degree. Prospective students ~~Students are strongly encouraged to consult the geological sciences degree plans and transfer course equivalency information available online.~~ ~~contact a JSG academic adviser to discuss existing coursework to be transferred and the specific requirements of JSG degree plans prior to applying for admission.~~

Internal Transfer Admission

Students enrolled in another college or school at the University may apply in early spring to be considered for admission ~~A student enrolled in another college or school at the University may apply to may transfer to the Jackson School of Geosciences the following fall semester. from another division of the University in accordance with the regulations given in *General Information*. A University student, whether a geosciences major or nonmajor, who wants to transfer to a geological sciences major in the Jackson School must meet the A cumulative in-residence grade point average of 3.0 or higher is generally necessary to be competitive for admission. The following minimum requirements to be eligible for consideration are in addition to the requirements to transfer from one division to another given in *General Information*.~~

1. Completion of at least twenty-four semester hours of coursework in residence at the University. Credit by exam and correspondence, extension and transfer hours may not be counted toward this requirement.
- ~~2. Recommended A cumulative in-residence grade point average (GPA) of 3.00 or higher.~~
- ~~3. Completion of Mathematics 408C, or the equivalent, with a grade of C- or higher at the time of application, and~~
4. completion ~~Completion of, or enrollment in, the following courses or their equivalent at the time of application. A grade of C- or higher required in completed courses to fulfill this requirement.~~
 - For students with less than 30 semester hours of coursework in residence at the University at the completion of the spring semester in which they apply: Mathematics 408C or 408L. For students with 30 hours or more: Mathematics 408D or 408M or the equivalent at the time of application.
 - Geological Sciences 401 or 303.
 - Chemistry 301.

5. ~~Completion of, or enrollment in, Geological Sciences 401 or 303, and Chemistry 301 at the time of application.~~

Additional ~~Information~~ information for all internal transfer applicants:

- ~~• Application Deadline: May 1st for the following fall semester.~~
- Only currently enrolled students may apply.
- Students may apply during the semester they are completing the minimum requirements to be eligible for consideration.
- Interested students are encouraged to attend a Jackson School internal transfer information session prior to the spring they intend to submit an application for internal transfer. A schedule of information sessions as well as additional information about the application process, online application, and submission deadlines are ~~Application forms are~~ available on the Jackson School undergraduate website: (<http://www.jsg.utexas.edu/education/undergraduate/internaltransfers>).
Web site.
- ~~• Entry level admission to all Jackson School majors is offered as space is available to the students who are best qualified. Decisions are based on the student's GPA in the basic sequence courses, cumulative GPA, and other factors including, but not limited to, difficulty of course load, course repetitions, proven mathematical ability, and interest in the field of geological science.~~

~~Additional information regarding admission to the Jackson School of Geosciences is available from the Student Services Office, 2305 Speedway, Stop C1160, Austin, TX 78712-1692. The JSG Student Center telephone number is (512) 232-4544.~~

Internal Transfer within the Jackson School

A geological sciences student interested in transferring to a different degree program within the Jackson School must submit an application in early spring for admission review. Students must meet the same minimum requirements as students applying to transfer from another division of the University to be eligible for consideration.

Students in the BS Geosystems Engineering and Hydrogeology and BS Environmental Science degree programs may have an active student status in more than one college or school over the course of their degree program. These arrangements are in place to provide students access to required courses not offered in their primary college or school. The Cockrell School of Engineering is the primary school for the GEH degree and the College of Liberal Arts, College of Natural Sciences, or Jackson School for the EVS degree. Therefore, students in these degree programs interested in transferring to a geological sciences degree program in the Jackson School must submit an internal transfer application for consideration as outlined in this section.

DOCUMENTS OF THE GENERAL FACULTY

**PROPOSED ADDITION OF THE PRESENTATION OF DEGREE REQUIREMENTS (BA & BS)
SECTION 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 addition 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 new section 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

- 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:

Requirements for All Geological Sciences Degree Plans

Each student must complete the University's core curriculum. In the process of completing core curriculum and geological sciences degree requirements, students must also earn credit for seven flags including: two writing flags, one quantitative reasoning flag, one global cultures flag, one cultural diversity in the United States flag, one ethics and leadership flag, and one independent inquiry flag. In some cases, a course required for the degree/major may also be counted toward the core curriculum. Flags may be added to courses periodically; courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. Students are encouraged to discuss options for completing flag requirements with his or her academic advisor.

A course in one prescribed work area may not also be used to fulfill the requirements of another prescribed work or major requirement; the only exception to this rule is that a course that fulfills any other requirement may also be used to fulfill a core curriculum requirement, or a flag requirement if the course carries that flag, unless otherwise specified.

A cumulative grade point average of at least 2.00 is required on all work undertaken at the University for which a grade or symbol other than Q, W, X, or CR is recorded. In addition, a grade point average of at least 2.00 is required in geological sciences courses counted toward the major requirement.

A grade of at least C- is required in each science, mathematics, and engineering course used to fulfill any of the requirements for the degree, and in each course used to fulfill a Technical Elective requirement. The official grade in a course is the last one made; however, if a student repeats a course and has two or more grades, all grades and all semester hours are used to calculate the University grade point average and to determine the student's scholastic eligibility to remain in the University and his or her academic standing in the Jackson School of Geosciences.

All University students must complete at least sixty semester hours of the coursework counted towards the degree in residence. Individual degree(s) or options may contain additional course residency requirements.

In addition, the student must fulfill the University's general requirements and the requirements of the Jackson School of Geosciences.

Length of Degree Program

An eight-semester arrangement of courses leading to the bachelor's degree is given for each of the geological sciences degree plans. The order in which the courses are taken is critical due to the prerequisites for required courses and schedule when courses are offered. A student who registers for fewer than the indicated number of hours for each semester or skips prerequisite courses may need more than eight semesters to complete the degree. The student is responsible for including in each semester's work any courses that are prerequisite to those he or she will take the following semester.

Foreign Language Requirement

In accordance with the University's basic education requirements, all students must demonstrate proficiency in a foreign language equivalent to that shown by completion of two semesters of college coursework. Credit earned at the college level to achieve that proficiency may not be counted toward a degree. For a student admitted to the University as a freshman, this requirement is fulfilled by completion of the two high school units in a single foreign language that are required for admission; students admitted with a deficiency in foreign language must remove that deficiency as specified in *General Information*.