



Template For Development Of An Accelerated Bachelor's / Master's Program

1. Proposing College(s)/School(s):
 Department(s):

2. Program Coordinator(s): 3. Effective Term:

4. Included Programs: Undergraduate:
 Graduate:
 (e.g.: BA in English; MA in English)

5. Program Hours: (Indicate the total number of credit hours (c.h.) for each of the programs -- undergraduate and graduate) Undergraduate: Graduate:

6. Admission Qualifications: Credit Hours Earned — Minimum: Maximum: At Auburn:

(NOTE - The Graduate School has set the minimum GPA requirement for admission graduate programs at 3.4. Departments may set higher requirements as necessary.)

NOTE - The minimum credit hours must be at least 45 c.h., and the maximum must be less than 96. For transfer students, at least 24 c.h. must have been earned at Auburn University.

Grade Point Average — Major:

Minimum Grade in Gateway Course — Course(s), Grade(s):

7. Retention Standards: Time Limit to Earn Degree — Undergraduate Program:
 Graduate Program:

(NOTE - The Graduate School has set the minimum GPA requirement for retention in graduate programs at 3.4. Departments may set higher requirements as necessary.)

NOTE - Degrees must be earned within time limits set by the program (where applicable) and the Graduate School..

Grade Point Average — Major:

Minimum Grade in Major Course(s) — Course(s), Grade(s):

8. Graduate Course Substitutions:

(List all courses at the graduate level that will count for undergraduate credit in the program)

NOTE - No more than 9 c.h. of graduate credit may be counted toward a student's undergraduate work, for graduate programs up to and including 35 c.h. total. For graduate programs of 36 c.h. or higher, no more than 12 c.h. of graduate credit may be counted toward a student's undergraduate work.

Graduate Course	Undergraduate Course Replaced	Credit Hours
GEOL 7100 Geocommunication	GEOL 4740 Senior Seminar	3
GEOL 6XXX Elective	GEOL Elective	3
GEOL 6XXX Elective	GEOL Elective	3

9. Maximum Double-Counted Hours:

(Indicate the maximum number of credit hours (c.h.) that may be double-counted, as per the guidelines listed above)

10. Justification for Program:

In general, the optimal degree in the field of geology is the MS degree. The accelerated degree program will provide an opportunity for our best and most highly motivated students to gain an in-depth understanding of an area of geology beyond that of typical bachelor's level graduates and make them more competitive for the job market or for further graduate studies. The accelerated degree program will also provide an opportunity for students involved in undergraduate research to build on that research and develop it into a Masters thesis. The accelerated program allows students to achieve these accomplishments with only an additional one year and summer beyond the bachelor's degree. This will encourage our best students to stay at Auburn University rather than transferring to another institution. The availability of an accelerated degree program will also be useful in recruiting highly motivated high school students to come to Auburn and to encourage current underclassmen to declare a major in Geology.

(Include a concise, yet adequate rationale for the proposal of the accelerated program -- citing such factors as market need, student demand, etc.)

11. Application Process:

Students will apply for the program after completion of GEOL 1100, 1110, 2010, and 2050, which should be taken by the end of Fall term of their junior year. Applications will consist of plans of study for both the Bachelor of Geology and Master of Science in Geology degrees and will be due by February 1 of their junior year. Students accepted into the program must have a GPA of at least 3.4 and have earned at least a B in the courses listed above. Upon approval of their application by the Department Chair, students will apply to the Graduate School, so that accepted students can register in graduate-level courses beginning in Fall in their senior year.

(Outline the process for acceptance into the accelerated program; include all necessary departmental, college, and other approvals that will be necessary)

12. Program Matriculation:

Students will matriculate in the accelerated program during Fall of the senior year of their undergraduate degree program. According to the model schedule, students will complete the Bachelor of Geology in the first Spring following matriculation into the program (year 4), which would be their last semester in the normal bachelor's degree program. Typically students will write their thesis proposals that year and carry out thesis research that summer. The Master of Science in Geology would be completed in August of the second year in advanced degree program (i.e., 2 years after matriculation into the accelerated program or 15 months after completion of the bachelor's degree).

(Provide a brief narration of the program, as it will be taken by students; include estimated timeframes for application to the graduate portion of the program, completion of the undergraduate portion of the program, and any internships/field experience)

13. Academic Advising:

All undergraduates students in Geology must meet with the academic advisor each semester to obtain their registration PIN; this practice will apply to students in the accelerated program as well. Graduate students will have a major professor directing their thesis research, and this person will be identified as soon as possible. In addition, the Geology academic advisor is available as needed.

(Address how academic advising for the student will be handled, from undergraduate program admission through completion of the accelerated program)

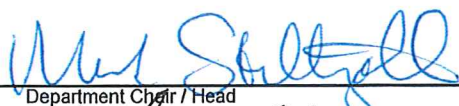
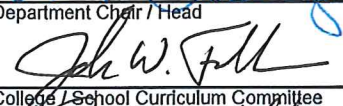
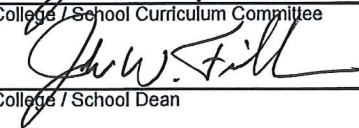
14. Withdrawal Process:

Students may withdraw voluntarily from the program by notifying the Geosciences Graduate Program Officer.

(Outline both the process for withdrawing from the accelerated program, as well as the implications on matriculation and earning of undergraduate and graduate degrees)

15. Additional Information:

Approvals

 Department Chair / Head	<u>11-1-16</u> Date
 College / School Curriculum Committee	<u>1/31/17</u> Date
 College / School Dean	<u>1/31/17</u> Date
_____ Dean of the Graduate School	_____ Date
_____ Assoc. Provost for Undergraduate Studies	_____ Date

Contact Person:	<input type="text"/>	Telephone:	<input type="text"/>
E-Mail Address:	<input type="text"/>	Fax:	<input type="text"/>

(Include any additional information regarding the accelerated program that may be pertinent to its review and approval)

Curriculum Models

(Please attach the proposed curriculum models for both the undergraduate and graduate components of the accelerated degree program; a current model for each may be provided as well, for comparative purposes)

CURRENT BS MODEL

IN EFFECT FALL 2016

GEOLOGY CURRICULUM (GEOL)

FRESHMAN YEAR

ENGL 1100 English Comp I	3	ENGL 1120 English Comp II	3
GEOL 1100 Dynamic Earth	4	GEOL 1110 Earth & Life Through Time..	4
CHEM 1030 Fundamentals of Chem I.....	3	CHEM 1040 Fundamentals of Chem II.....	3
CHEM 1031 Chem Lab	1	CHEM 1041 Chem Lab	1
CORE HISTORY I	3	CORE HISTORY II.....	3
	14		14

SOPHOMORE YEAR

BIOL 1020/1021 Principles of Biology	4	BIOL 1030/1031 Organismal Biology.....	4
GEOL 2010 Min & Opt Cryst	5	GEOL 2050 Ign & Met Petrol.....	4
MATH 1610 Calculus I	4	MATH 1620 Calculus II.....	4
CORE LITERATURE I	3	Free Elective	4
	16		16

JUNIOR YEAR

PHYS 1500 Physics I	4	PHYS 1510 Physics II	4
GEOL 3200 Intro to Paleobiology	3	GEOL 3400 Structural Geology	4
TECHNICAL ELECTIVE ¹	3	CORE SOCIAL SCIENCE I ²	3
GEOL Elective¹	3	GEOL Elective¹	3
CORE FINE ARTS	3		14
	16		

SUMMER TERM

GEOL 3650 Field Camp 6

SENIOR YEAR

GEOL 4010 Sed. Petrol.	3	GEOL4110 Stratigraphy	3
GEOL Elective¹	3	GEOL Elective¹	3
GEOG 5830 GIS	4	GEOL 4740 Senior Seminar	3
CORE HUMANITIES	3	CORE SOCIAL SCIENCE II	3
	13	CORE LITERATURE II	3
			15

TOTAL HOURS 124

Courses in **BOLD** will be used to calculate GPA in major.

Options for courses labeled CORE are in the Auburn University Bulletin (www.auburn.edu/bulletin) under Core Curriculum.

¹ Approved Technical and Geology electives are on the back of this sheet.

² GEOG 1010 Global Geography is suggested for majors.

GEOLOGY

Geology Electives: 12 hours required. Geology electives may be selected from the following groups of courses with **NO MORE THAN 4** hours coming from group B.

GEOL Group A Electives:

GEOL 4210 (3) Economic Geology
GEOL 4260 (3) Geochemistry
GEOL 5060 (3) Micropaleontology
GEOL 5100 (3) Hydrogeology
GEOL 5300 (3) Basin Analysis
GEOL 5600 (4) Applied Geophysics
GEOG 5220 (3) Geomorphology

GEOL Group B Electives:

GEOL 3060 (3) Lunar and Planetary Geology
GEOL 4930 Actualistic Paleontology
GEOL 4930 Ichnology
GEOL 4930 (1) Carbonate Depositional Systems
GEOL 4930 Unspecified Directed Study (no more than 2 hours)
GEOL 4980 Unspecified Research Methods (no more than 2 hours)

Technical Electives: The following courses are approved. Other courses may be permitted with prior approval of the GEOL advisor. Students must meet with their Geology advisor and have technical electives approved in advance. An approval form must be on file in the Dean's office in order to be cleared for graduation.

AERO 3040, 5320
AGRN 3040, 3100, 5000, 5080, 5150, 5300
ANTH any 2000+ course
BIOL 2015, 2415, 2420, 2425, 3030, 3060, 3075, 3200, 4010, 4020
CIVL 2010, 3210, 3310, 3120, 4210, 4310, 5330, 5340
CHEM 2070, 3050, 3200, any 3000-5000 course
COMP 2200, 2210, any 2000-3000 course
GEOG any 3000-5000 course
MATH any 2000-5000 course
MECH any 3000-5000 course
PHYS any 2000-5000 course
STAT any 2000-5000 course

PROPOSED BS MODEL REFLECTING ADDITION OF GEOL 2000

IN EFFECT FALL 2017

GEOLOGY CURRICULUM (GEOL)

FRESHMAN YEAR

ENGL 1100 English Comp I	3	ENGL 1120 English Comp II	3
GEOL 1100 Dynamic Earth	4	GEOL 1110 Earth & Life Through Time..	4
CHEM 1030 Fundamentals of Chem I.....	3	CHEM 1040 Fundamentals of Chem II.....	3
CHEM 1031 Chem Lab	1	CHEM 1041 Chem Lab	1
CORE HISTORY I	3	CORE HISTORY II.....	3
	14		14

SOPHOMORE YEAR

BIOL 1020/1021 Principles of Biology	4	BIOL 1030/1031 Organismal Biology.....	4
GEOL 2010 Min & Opt Cryst	5	GEOL 2050 Ign & Met Petrol.....	4
MATH 1610 Calculus I	4	MATH 1620 Calculus II	4
GEOL 2000 Professional Development	1	Free Elective	4
	14		16

JUNIOR YEAR

PHYS 1500 Physics I	4	PHYS 1510 Physics II	4
GEOL 3200 Intro to Paleobiology	3	GEOL 3400 Structural Geology	4
TECHNICAL ELECTIVE ¹	3	CORE SOCIAL SCIENCE I ²	3
GEOL Elective¹	3	GEOL Elective¹	3
CORE FINE ARTS	3		14
	16		

SUMMER TERM

GEOL 3650 Field Camp	6
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SENIOR YEAR

GEOL 4010 Sed. Petrol.	3	GEOL4110 Stratigraphy	3
GEOL Elective¹	3	GEOL Elective¹	3
GEOG 5830 GIS	4	GEOL 4740 Senior Seminar	2
CORE HUMANITIES	3	CORE SOCIAL SCIENCE II	3
CORE LITERATURE I	3	CORE LITERATURE II	3
	16		15

TOTAL HOURS 124

Courses in **BOLD** will be used to calculate GPA in major.

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¹ Approved Technical and Geology electives are on the back of this sheet.

² GEOG 1010 Global Geography is suggested for majors.

ACCELERATED BACHELOR'S/MASTER'S PROGRAM IN GEOLOGY

CURRICULUM

YEAR 1: FRESHMAN

ENGL 1100 English Comp I 3	ENGL 1120 English Comp II 3
GEOL 1100 Dynamic Earth 4	GEOL 1110 Earth & Life Through Time..4
CHEM 1030 Fundamentals of Chem I.....3	CHEM 1040 Fundamentals of Chem II..... 3
CHEM 1031 Chem Lab..... 1	CHEM 1041 Chem Lab 1
CORE HISTORY I 3	CORE HISTORY II..... 3
14	14

YEAR 2: SOPHOMORE

BIOL 1020/1021 Principles of Biology 4	BIOL 1030/1031 Organismal Biology.....4
GEOL 2010 Min & Opt Cryst..... 5	GEOL 2050 Ign & Met Petrol.....4
MATH 1610 Calculus I..... 4	MATH 1620 Calculus II 4
GEOL 2000 Prof. Development 1	CORE LITERATURE I 3
14	15

YEAR 3: JUNIOR

PHYS 1500 Physics I 4	PHYS 1510 Physics II 4
GEOL 3200 Intro to Paleobiology 3	GEOL 3400 Structural Geology 4
TECHNICAL ELECTIVE ¹ 3	CORE SOCIAL SCIENCE I ² 3
GEOL Elective¹ 3	GEOL Elective¹ 3
CORE FINE ARTS 3	
16	14

SUMMER TERM

GEOL 3650 Field Camp 6

YEAR 4: SENIOR / FIRST YEAR GRADUATE

GEOL 4010 Sed. Petrol 3	GEOL4110 Stratigraphy 3
GEOL Elective: GEOL6XXX..... 3	*GEOL Elective: GEOL6XXX..... 3*
GEOG 5830 GIS 4	CORE LITERATURE II 3
CORE HUMANITIES 3	CORE SOCIAL SCIENCE II 3
GEOL 7100 Geocomm. 3	Free Elective..... 3
16	15

Total hours for BS: 124

YEAR 5: SECOND YEAR GRADUATE

GEOL 6XXX/7XXX..... 3	GEOL 6XXX/7XXX..... 3
GEOL Elective: GEOL6XXX..... 3	GEOL 6XXX/7XXX..... 3
GEOL 7990 Research and Thesis 3	GEOL 7990 Research and Thesis 3
9	9

*Counts as both undergrad and grad-level course: Total 9 hrs. Note, two of these courses count as Geol electives.

Yellow highlighting = grad-level Geol courses (total required is 21 hours): Total = 21

Thesis hours (total required is 4-6 hours): Total = 6

GEOL 7100 Geocommunication substitutes for GEOL 4740 Senior Seminar, allowing students to write their thesis proposals prior to their research in the summer of the fourth year, leaving their fifth year for the thesis itself.

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GEOG 5220 (3) Geomorphology

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COMP 2200, 2210, any 2000-3000 course
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MATH any 2000-5000 course
MECH any 3000-5000 course
PHYS any 2000-5000 course
STAT any 2000-5000 course