

NAME: _____

STUDENT NUMBER: _____

E-MAIL: _____

TELEPHONE: _____

WINTER SESSION ENTERED HONS SPECIALIZATION: _____

Honours Specialization [0462]: Geological Sciences Session 2015W - COURSE TEMPLATE: minimum 132 credits

READ THESE IMPORTANT NOTES:

To enter a science specialization at UBC, you must first be admitted to the Faculty of Science (see UBC Calendar), and you must complete first-year Science or the equivalent, either at UBC or another appropriate institution. ***Starting in first year, you must take a minimum of 30 credits in each Winter Session (except you final year when you take only the number of credits needed to complete your degree), maintain an average of $\geq 68\%$, and have no "F"s to be eligible for Honours. If you do not meet these requirements to be admitted to or to stay in Honours, you can complete the Majors Geology specialization. (If this is the case, book an appointment with a Majors Geology advisor immediately, because the course requirements for Majors are different than those for Honours.)***

A student with eligibility for 2nd year (or higher) Science who wishes to enter the Geological Sciences Honours specialization FIRST must apply to be admitted to ***Major Geology*** [code 3193] or ***Major EOS*** [code 0223] specializations via the Faculty of Science online application at <http://www.science.ubc.ca/students/degree/apply> in June, and SECOND must book an appointment with the Honours Geological Sciences advisor to discuss admittance to the Geological Sciences Honours specialization [code 0462]. Such admittance is based on the recommendation of the Honours advisor and is normally granted by the Associate Dean of Science after completion of year 2.

Potential Honours students should consult with an Honours advisor to discuss course selections and credit load and to get other questions answered about Honours prior to initial course registration at UBC, even if not admitted to Honours until year 3.

- YOU are still responsible for checking that you meet all requirements laid out by the Faculty of Science as noted in the UBC Calendar (reproduced in the Appendix at the end of this template). This Template is only intended as a guide.
- The graduation requirements that apply to YOU are found in the UBC Calendar for the specific Winter Session in which you are first registered in the Honours specialization.
- Be aware of course co-requisites and pre-requisites, and ask for advice if you do not have a pre-requisite (e.g., it IS possible to take EOSC 110/111 and EOSC 220 in term 1 of 2nd yr).
- Be aware of the Credit Exclusion Lists in the Faculty of Science section of the UBC Calendar as you chose your courses.
- Take note of the promotion requirements to years 2, 3, and 4 as listed in the UBC Calendar. These control your registration date (see summary in Appendix at the end of this template).

NOTE: Please use **black** pen for courses completed, **red** for courses that you are currently enrolled in, and **blue** for course you are planning to take in future years

I. FIRST YEAR

REQUIRED COURSES (30-33 CREDITS)

COURSES	COURSES TAKEN	CREDIT
Communication Requirement *1		/6
EOSC 110 (recommended) (or 112 or 114 or 116) + EOSC 111 *2		/4
CHEM 121 or 111 *3		/4
CHEM 123 or 113 *3		/4
MATH 100 or 102 or 104*4		/3
MATH 101 or 103 or 105*5		/3
PHYS 117 (or 101 or 107) *6		/ (3)
PHYS 118 (or 102 or 108) *6		/ (3)
ELECTIVE *7		/3
TOTAL		/33(30)

*1 6 credits of coursework are required to meet the Communication Requirement. ENGL 100, 110, 111, 112 are recommended. For a full list of acceptable courses, see UBC Calendar. 3 credits of the communication requirement can be deferred to second year. SCIE 113 may be used as communication credits, but does not count towards Arts electives.

*2 May be deferred to second year and taken concurrently with EOSC 220.

*3 Students without Chemistry 12 must take CHEM 111/113. Students with CHEM 12 must take CHEM 121/123.

*4 MATH 180 or 184 or 120 may be substituted for any of the specified differential calculus courses listed and the elective credits decreased by 1. MATH 110 may be substituted for any of the specified differential calculus courses listed and the elective credits decreased by 3.

*5 MATH 121 may be substituted for any of the specified integral calculus courses listed and the elective credits decreased by 1.

*6 Students without credit for Physics 12 must take PHYS 100 prior to any other 100-level PHYS courses. PHYS 100 will count as an elective. Qualified students are encouraged to add PHYS 119 or to take PHYS 107/108/109 and to decrease elective credits accordingly by 1. Students may delay taking 3 credits of PHYS 100-level to second year.

*7 Students without Biology 11 or 12 must take 3 credits of 100-level BIOL.

II. BEYOND FIRST YEAR

REQUIRED SCIENCE COURSES (9-12 CREDITS)

COURSES	CREDIT
CHEM 201 or 205	/3
MATH 200	/3
MATH 221 or STATS 200	/3
PHYS 117 (or 101 or 107) / 118 (or 102 or 108) *	/ (3)
TOTAL	/9(12)

* Students may delay taking 3 credits of PHYS 100-level to second year.

REQUIRED EOSC COURSES IN GEOLOGY AND GEOPHYSICS (63 CREDITS)

COURSES	CREDIT
EOSC 211 or GEOB 270	/3
EOSC 212	/3
EOSC 220 [‡]	/3
EOSC 221 [‡]	/3
EOSC 222 [‡]	/3
EOSC 223 [‡]	/3
EOSC 320	/3
EOSC 321	/3
EOSC 322	/3
EOSC 323 (extra fee to be paid)	/3
EOSC 327 or EOSC 333	/3
EOSC 328 (extra fees to be paid)	/3
EOSC 329	/3
EOSC 330	/3
EOSC 332	/3
EOSC 449	/6
EOSC 350 (recommended) or 250	/3
EOSC 300-LEVEL (counts toward total elective credits) ^{*6}	/3
EOSC 400-LEVEL (counts toward total elective credits) ^{*7}	/6
TOTAL	/63

[‡] Completion of any three of these four courses is required for promotion to third year (see Appendix to this template)

^{*6} Includes EOSC courses numbered 320 to 349, except for EOSC 340 and those courses designated “Not for credit for students in Earth, Ocean and Atmospheric Sciences specializations”.

^{*7} Includes EOSC courses numbered 420 to 448.

ARTS ELECTIVES ^{*8} (MINIMUM 12 CREDITS)

COURSES	CREDIT
	/3
	/3
	/3
	/3
TOTAL	/12()

^{*8} Includes:

- Faculty of Arts courses offered by GEOG department (see UBC Calendar); and
- Most other courses offered by Faculty of Arts.

OTHER ELECTIVES *⁹ (MINIMUM 15 CREDITS)

COURSES	CREDIT
	/3
	/3
	/3
	/3
	/3
TOTAL	/15()

*⁹ Includes:

- Faculty of Science (including EOSC) courses that are offered for credit to Science students;
- Faculty of Arts courses; and
- Most courses in “Other” faculties at UBC and transferring institutions.
- *A maximum of 18 credits not in the faculties of Science or Arts may be used towards the Honours Geological Sciences degree, but only 6 credits will count towards the minimum upper-level (300-level+) requirement.*
- May include a maximum of 6 credits for almost any other course(s) from UBC or a transferring institution, except for courses designated “Not for credit for Geological Sciences or Science students”.
- Check with an advisor about the admissibility of “Other” electives, as there are some additional restrictions.

IMPORTANT

Your degree specialization must meet the following Faculty of Science and departmental requirements:

CREDIT CATEGORY	NUMBER OF CREDITS	YOUR TOTAL CREDITS
Total Science credits	72 minimum	
of which 300-level +	42 minimum	
Total Arts credits	18 minimum (<u>includes</u> 6 ENGL credits used to satisfy the Faculty of Science Communication Requirement)	
Total elective credits	39 minimum	
Credits not in Science or Arts (optional)	18 maximum	
Total credits	132 minimum	
of which 300-level +	48 minimum (6 maximum from outside Science or Arts)	

Appendix 1 - UBC Calendar 2015W (UBC's official degree requirements - <http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,1516>)

Honours (0462): Geological Sciences

First Year	
Communication Requirement ¹	6
CHEM 121 (or 111)	4
CHEM 123 (or 113)	4
EOSC 110 or 112 or 114 or 116	3
EOSC 111	1
MATH 100 or 102 or 104 ²	3
MATH 101 or 103 or 105 ³	3
PHYS 117 (or 101 or 107) ⁴	3
PHYS 118 (or 102 or 108) ⁴	3
Elective ^{5,6}	3
Total Credits	33
Second Year	
CHEM 201 or 205	3
EOSC 211 or GEOB 270	3
EOSC 212, 220, 221, 222, 223 ⁷	15
MATH 200	3
MATH 221 or STAT 200	3
Electives ⁶	9
Total Credits	36
Third and Fourth Years	
EOSC 320, 321, 322	9
One of EOSC 327, 333	3
EOSC 323, 328 ⁸ , 329	9
EOSC 330, 332, 449	12
EOSC 250 or 350	3
Additional EOSC 300-level	3
Additional EOSC 400-level	6
Electives ⁶	18
Total Credits	63
Total Credits for Degree	132

¹ A total of 6 credits of coursework is required to meet the Communication Requirement. ENGL 112 is recommended. For a full list of acceptable courses, see Communication Requirement.

² MATH 180 or 184 or 120 may be substituted for any of the specified differential calculus courses listed and the elective credits decreased by 1. MATH 110 may be substituted for any of the specified differential calculus courses listed and the elective credits decreased by 3.

³ MATH 121 may be substituted for any of the specified integral calculus courses listed and the elective credits decreased by 1.

⁴ Students without credit for Physics 12 must take PHYS 100 prior to any other 100-level PHYS courses. PHYS 100 will count as an elective. Qualified students are encouraged to add PHYS 119 or to take PHYS 107/108/109 and to decrease elective credits accordingly by 1. Students may delay taking 3 credits of PHYS 100-level to second year.

⁵ Students without Biology 11 or 12 must take 3 credits of 100-level BIOL.

⁶ Electives must be selected to ensure that the following Faculty of Science requirements are met: a) sufficient credits from the Faculty of Arts, excluding Arts credits used to satisfy the Communication Requirement; b) sufficient upper-level credits including specialization requirements.

⁷ Includes a field school in May of second year (extra fee to be paid).

⁸ Field School in May after third year (extra fee to be paid).

Summary of Minimum Program Requirements

	Honours or Combined Honours	Honours+Minor in Science
Total Credits	132	132
of which courses 300+	48	60
Total Science Credits	72	72
of which courses 300+	42	54
Total Arts Credits*	12	12
Max. credits not in Science or Arts (optional)	18	18

- excluding the 6 Arts credits used to satisfy the Communication Requirement

Promotion Requirements for students in the Honours Specialization [0462]: Geological Sciences

Promotion to Third Year

Promotion to third year requires successful **completion of 48 or more credits**. These must include at least 15 science credits from the Lower-Level Requirements or equivalent advanced credit and at least 15 additional science credits eligible for credit in the student's specialization. **The Honours: Geological Sciences specialization also requires that any three of EOSC 220, EOSC 221, EOSC 222, or EOSC 223 must have been passed for promotion to third year.** Students will not be considered for promotion until they have completed 3/5ths of the named credits (i.e., not electives) listed in the second year of their declared specialization.

Promotion to Fourth Year

Promotion to fourth year requires successful completion of a total of 72 or more credits. Of these, 50 or more credits must be science credits, **including all of the Faculty's Lower-Level Requirements; all required courses specified in the first and second years by the specialization (but not all general electives)**; and at least 40% of the credits specified in the upper years by the specialization. In addition, the Communication Requirement must be complete. Students who go on a Go Global exchange or who have completed at least one co-op work term will be promoted if they meet the other requirements and have gained at least one-third of the credits specified in the upper years. **The Honours: Geological Sciences specialization does not require any specific courses for promotion to fourth year.** In exceptional circumstances, a student who does not meet the promotion requirements may be removed from the specialization. A student must meet the minimum requirements for promotion to fourth year in a B.Sc. specialization within a maximum of 108 credits of coursework attempted. Registration controls will be imposed on students who approach that limit without having completed the Communication Requirement. Students who reach the credit limit without meeting the requirements will be required to withdraw from the Faculty. Students must meet all the graduation requirements for the degree within a maximum of 180 credits of coursework attempted. Those who do not will be required to withdraw from the Faculty.