

NAME: _____

STUDENT NUMBER: _____

E-MAIL: _____

TELEPHONE: _____

WINTER SESSION ENTERED HONS SPECIALIZATION: _____

Honours Specialization [0462] : Geological Sciences Session 13W - 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, maintain an average of $\geq 68\%$, and have no “F”s to be considered for admission to 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 yr (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. If your application for Honours is denied, you may still earn a “geology” degree at UBC by completing the Majors Geology specialization.

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 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.

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 (33-36 CREDITS)

COURSES	COURSES TAKEN	CREDIT
Communication Requirement* ¹		/6
EOSC* ² 110 (recommended) (or 112 or 114 or 116) + EOSC 111		/4
CHEM* ³ 111/113 or 121/123		/8
MATH 100 or 102 or 104* ⁴ (or 120 or 180 or 184)		/3(4)
MATH 101 or 103 or 105* ⁵ (or 121)		/3(4)
PHYS* ⁶ 107 or 101 plus PHYS 108/109 or PHYS 102		/7(6)
ELECTIVE * ⁷		/3
TOTAL		/33-36

*¹ 6 credits of coursework are required to meet the Communication Requirement. ENGL 112 is 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 will be required to take PHYS 100 prior to PHYS 101. PHYS 100 will count as an elective. Qualified students are encouraged to substitute PHYS 107, 108, or 109 and the elective credits decreased by 1. Students may delay taking PHYS 108/109 or 102 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 102)	/3
TOTAL	/9-12

REQUIRED EOSC COURSES IN GEOLOGY AND GEOPHYSICS (60 CREDITS)

COURSES	CREDIT
EOSC 211	/3
EOSC 212	/3
EOSC 220	/3
EOSC 221	/3
EOSC 222	/3
EOSC 223	/3
2 of EOSC 320/321/322	/6
EOSC 323	/3
EOSC 327 or EOSC 333	/3
EOSC 328	/3
EOSC 329	/3
EOSC 330	/3
EOSC 332	/3
EOSC 449	/6
EOSC 350 (recommended) or 250	/3
EOSC 300-LEVEL ^{*6} (counts toward total elective credits)	/3
EOSC 400-LEVEL ^{*7} (counts toward total elective credits)	/6
TOTAL	/60

*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 18 CREDITS)

COURSES	CREDIT
	/3
	/3
	/3
	/3
	/3
	/3
TOTAL	/18()

*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.
- See the Honours Geological Sciences Specialization Guide for a list of approved electives from “Other” faculties (e.g., APBI 200 - Intro. Soil Science).
- *A maximum of 15 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 (includes 6 credits including ENGL credits used to satisfy the Faculty of Science Communication Requirement)	
Total elective credits	42 minimum	
Credits not in Science or Arts (optional)	15 maximum	
Total credits =	132 minimum	
of which 300-level + =	48 minimum (6 maximum from outside Science or Arts)	

2013W – from Vancouver Academic Calendar 2013/14

Honours Specialization: Geological Sciences (0462)

First Year

Communication Requirement ¹	6
CHEM 121, 123 (or 111, 113)	8
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 101, 102 ⁴	6
Electives ^{5,6}	3
Total Credits	33

Second Year

CHEM 201 or 205	3
EOSC 211, 212, 220, 221, 222, 223 ⁷	18
MATH 200	3
MATH 221 or STAT 200	3
Electives ⁶	9
Total Credits	36

Third and Fourth Years

Two of EOSC 320, 321, 322	6
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	21
Total Credits	63
Total Credits for Degree	132

¹ 6 credits of coursework are required to meet the Communication Requirement. ENGL 112 is recommended. For a full list of acceptable courses, see [Communication Requirement](http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,1463#18434)

(<http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,1463#18434>). 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 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 will be required to take PHYS 100 prior to PHYS 101. PHYS 100 will count as an elective. Qualified students are encouraged to substitute PHYS 107, 108, or 109 and the elective credits decreased by 1. Students may delay taking PHYS 108/109 or 102 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) at least 18 credits must be from the Faculty of Arts, including ENGL credits used to satisfy the Faculty of Science Communication Requirement; b) at least 48 upper-level credits including specialization requirements; and c) at least 42 upper-level science 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).