

# EOS MAJOR

Minimum credits for degree: 120

This version updated: JULY 2014

**PLEASE NOTE:** This is a **GUIDELINE ONLY**. **YOU** are responsible for checking that you meet all requirements explained in detail in the UBC CALENDAR and with the SCIENCE INFORMATION CENTRE for the MOST up-to-date regulations!!

For APEGBC requirements to become a REGISTERED GEOSCIENTIST refer to <http://www.apeg.bc.ca/> for required course content.

**NOTE:** Refer to the "credit exclusion lists" in the calendar before completing.

**NOTE:** Must complete ALL graduation requirements WITHIN 180credits

FAMILY NAME: \_\_\_\_\_ GIVEN NAME: \_\_\_\_\_  
 STUDENT NUMBER \_\_\_\_\_ E-MAIL \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ PREPARED \_\_\_\_\_

## IA) FIRST YEAR REQUIREMENTS

Two of the shaded courses are required to register for EOSC Major (1223)

COURSES	CREDIT	COURSES TAKEN	Total
PHYS* <sup>2</sup> 101 or 107	3		/ 3
CHEM 121 or 111	4		/ 4
CHEM 123 or 113	4		/ 4
MATH 100 / 102 / 104 / 180 or equivalents	3		/ 3
MATH 101 / 103 / 105 or equivalents	3		/ 3
EOSC * <sup>3</sup> 100 Level	6		/ 6
EOSC 111 * <sup>3</sup> (lab)	1		/ 1
Communication: ENGL* <sup>1</sup> 100+ (6cr total required)	3		/ 3

## IB) First Year Elective

COURSES	CREDIT	COURSES TAKEN	Total
ELECTIVE* <sup>4</sup>	3		/ 3

\*1 A total of 6cr of coursework are required to meet the Communication Requirement. For full list of acceptable courses see Communication Requirement in the UBC calendar. **NOTE:** Communication courses CANNOT be used towards the 12 Credit Arts Requirement. **6cr must be completed by the end of year 3**

\*2 Students without Physics 12 must normally take PHYS 100 before 101. Qualified students are encouraged to take PHYS 107.

\*3 3 credits may be deferred until second year. The requirement for these courses may be waived if a student has completed upper-level courses in each of the solid and fluid earth sciences. Students wishing to register as a professional geologist (PGeo) should take EOSC110.

\*4 Students without Biology 11 or 12 must take 3 credits of 100 level BIOL. This elective can be from any Faculty. **NOTE:** in addition to the two MATH courses your degree must include an ADDITIONAL 3 credits in computational science. This can be achieved with EOSC 211 or another MATH / STAT / CPSC course. MATH/STAT/CPSC course can be 100 level if approved as computational credit by FoS

**NOTE:** only 3cr lower level requirements may be carried beyond the first 60 credits (ENGL and MATH 100 (and equivalents) may not be deferred.

### HOW TO REGISTER IN EOSC MAJORS (1223)

Admission requires an application to the Faculty of Science. Normally this would occur prior to registration in the summer following year 1 or, for transfer students, before you first register for courses at UBC. Early contact with an EOS advisor (see last page), to discuss your intended specialization, is strongly recommended. Note the minimum MATH, CHEM and PHYS requirements on the previous page (2 of the shaded courses required).

### PROMOTION REQUIREMENTS

See the calendar for information on FoS promotion requirements:  
<http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,1467>

In addition you need to consider the following EOSC Major specific requirements.....

- To register in EOSC: 2 out of (or equivalents of): MATH 101, 1 of CHEM 121/111 and 1 of PHYS 101/107
- To be promoted to year 3: 6 credits of ATSC, ENVR or EOSC numbered 200 or above.
- To be promoted to year 4: 12 credits of ATSC, ENVR or EOSC numbered 200 or above.
- To check you meet promotion requirements MAKE AN APPOINTMENT WITH SCIENCE INFO. CENTRE

**NOTE: YOU must meet all graduation requirements within 180 credits.**  
Those who do not will be required to withdraw from the Faculty of Science.

### II) 200 LEVEL EOSC / ATSC / ENVR COURSES: 12 CREDITS

NOTE: 6 Cr may be delayed to 3<sup>rd</sup> year if 300+ courses are used: SEE ADVISOR

COURSES	CREDIT
1 EOSC 211 or GEOB 270* <sup>5</sup>	
2 EOSC 212	
3 EOSC / ATSC / ENVR	
4 EOSC / ATSC / ENVR	
<b>TOTAL</b>	<b>/ 12</b>

### III) UPPER LEVEL EOSC / ATSC / ENVR or EQUIVALENT COURSES: 30 CREDITS\*<sup>6</sup>

COURSES	CREDIT
1 EOSC / ATSC / ENVR	
2 EOSC / ATSC / ENVR	
3 EOSC / ATSC / ENVR	
4 EOSC / ATSC / ENVR	
5 EOSC / ATSC / ENVR	
6 EOSC / ATSC / ENVR	
7 EOSC / ATSC / ENVR @ 400 level	
8 EOSC / ATSC / ENVR @ 400 level	
9 EOSC / ATSC / ENVR / BIO / GEOB / CHEM (see*7 below)	
10 EOSC / ATSC / ENVR / BIO / GEOB / CHEM (see*7 below)	
<b>TOTAL NUMBER OF CREDITS:</b>	<b>/ 30</b>

\*5 - If GEOB 270 is selected your degree will require an addition 3 cr of computational science

\*6 - NOTE: EOSC 310 – 315 and EOSC 326 are NOT for credit in any EOAS degree

\*7 - NOTE: 6 of these credits may be from BIOL 302, 303, 304, 306, CHEM 301, 302, GEOB 300, 304

**IV). YEAR 2 AND ABOVE ELECTIVES: (Total: 48)**

**Any level BUT remember you still require a total of 48 300+ credits to graduate.**

**A. ADDITIONAL COMMUNICATION REQUIREMENT**

NOTE: All communication requirements (6cr) must be completed by the end of Year 3.

COURSES	CREDIT
1 Communication: ENGL*' 100 LEVEL	/ 3
<b>TOTAL</b>	<b>/ 3 (total of 6 required)</b>

C

**B. 12 CREDITS ARTS (Communication courses CANNOT be used towards the 12cr Arts Requirement).**

COURSES	CREDIT
1	
2	
3	
4	
<b>TOTAL</b>	<b>/ 12</b>

**C. FOS MAJORS BREADTH REQUIREMENT: 9 CREDITS in additional arts and / or science NOT IN EOSC / ATSC / ENVR. May include a mix of Arts / Science CANNOT be in any other faculty. CANNOT include the additional 3cr of computational science required if EOSC 211 not taken. Contact Science Information Centre for more details.**

COURSES	CREDIT
1	
2	
3	
<b>TOTAL</b>	<b>/ 9</b>

**D. 6 CREDITS SCIENCE OR ARTS: May include additional EOSC / ATSC / ENVR**

NOTE: you need a total of 72 science credits to graduate.

COURSES	CREDIT
1	
2	
<b>TOTAL</b>	<b>/ 6</b>

**E. 18 ADDITIONAL CREDITS – MAY BE IN ANY FACULTY**

COURSES	CREDITS	
	FACULTY OF SCIENCE / ARTS	ANY OTHER FACULTY
1. *		
2.		
3.		
4.		
5.		
6.		
<b>SUB TOTALS</b>		
<b>GRAND TOTAL</b>	<b>/ 18</b>	

\* NOTE: If EOSC 211 not taken you will still need an additional 3cr course to fulfill the FoS computational science requirement. See calendar for details of acceptable courses.

**PLEASE consider IMPORTANT FoS note on next page while completing this page!!!**

## IMPORTANT: F.O.S. REQUIREMENTS

YOU MUST ALSO MEET THE FOLLOWING FACULTY OF SCIENCE REQUIREMENTS:

**NOTE: YOU must meet ALL graduation requirements WITHIN 180 credits.  
Those who do not will be required to withdraw from the Faculty of Science.**

CREDITS	YOUR COUNT	FOS REQUIREMENTS
TOTAL		120
TOTAL 300+ (any subject)		48* (see note below)
TOTAL 300+ SCIENCE		30
TOTAL SCIENCE		72
TOTAL ARTS		12
TOTAL COMMUNICATION		6
TOTAL COMPUTATIONAL (not in breadth)		9
MIN BREADTH (see IV/D)		9
MAX NOT IN ARTS / SCIENCE		18**

*\* If this is your 2<sup>nd</sup> degree, NONE of the 300+ courses from your 1<sup>st</sup> degree count towards this 48cr!  
NOTE: it is at the discretion of the FOS how many (if any!) credits will transfer: contact the Science Advising Centre for more information if you are in this situation: [advising@science.ubc.ca](mailto:advising@science.ubc.ca)*

*\*\* you are not required to have any courses out of arts of science but you can take up to 18cr if you do*

### ADVISORS

Please do not expect to find advisors in their office at all times on every day; you should email ahead to make an appointment or to confirm availability. Advisors will attempt to return inquiries soon as possible but as we are all faculty within the department we may be out of the office conducting fieldwork or on other business that could put us out of reach of telephones and email. If it is an emergency please contact another advisor or the department undergraduate secretary: Teresa Woodley: ESB 2020, 604 822 3146, [twoodley@eos.ubc.ca](mailto:twoodley@eos.ubc.ca)

#### EOSC Majors advisors

**PLEASE USE E-MAIL** to set up appointments or ask general questions. Place 'advising' in the subject field **AND INCLUDE YOUR FULL NAME AND STUDENT NUMBER** on ALL communication.

*Dr. Roger Francois, ESB 4067, 604 822 6355, [rfrancois@eos.ubc.ca](mailto:rfrancois@eos.ubc.ca)*

If you wish to apply for professional registration as a geoscientist with APEGBC please contact the advisor in the specific area of specialization you are interested in at <http://www.eos.ubc.ca/academic/undergraduate/advise.html>