EOS MAJOR at UBC Vancouver

Minimum credits for degree: 120

Updated: September 2024

PLEASE NOTE: This document is a guideline only. You are responsible for meeting all requirements detailed in the UBC Calendar. The most up-to-date information is available here: <https://vancouver.calendar.ubc.ca/faculties-colleges-and-schools/faculty-science/bachelor-science/earth-and-ocean-sciences>

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Email \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EOS Majors Advisor**

Brett Gilley email: [bgilley@eoas.ubc.ca](mailto:bgilley@eoas.ubc.ca) Office: EOS South 164

Please e-mail me to set up appointments or ask general questions. It will really help if you include your full name and student number in all emails.

**To register in EOS**

EOS Major registration requires an application to the Faculty of Science. Normally specialization occurs prior to second year registration following your first year at UBC. For transfer students it should occur before you register for your first courses at UBC. Early contact with the EOS advisor (see above) is strongly recommended. If you are hoping to change majors contact the advisor or Science Advising.

Engineers and Geoscientist of British Columbia (EGBC) Professional Registration

This is not required in the degree, but it may be required for some professional geoscience jobs after you graduate. Registration requires completing a list of courses that are not necessarily part of the EOS degree program. For Engineers and Geoscientists of BC (EGBC) requirements see: <https://www.egbc.ca/how-to-apply/register-as-a-geoscientist/professional-geoscientist/apply-to-be-a-professional-geoscientist-in-bc>

I) FIRST YEAR REQUIREMENTS (Note: some may be completed in later years, discuss with your advisor)

|  |  |  |  |
| --- | --- | --- | --- |
| COURSES | CREDIT | COURSE TAKEN | Total |
| SCIE\_V 113 - Communication Requirement \*1 | 3 |  | /3 |
| EOSC\_V or ATSC\_V 100 Level\*2 | 6 |  | /6 |
| EOSC\_V 111\*2 | 1 |  | /1 |
| CHEM\_V 121 (or CHEM\_V 111 or CHEM\_V 141) | 4 |  | /4 |
| CHEM\_V 123 | 4 |  | /4 |
| MATH\_V 100 (or 102 or 104) | 3 |  | /3 |
| MATH\_V 101 (or 103 or 105) | 3 |  | /3 |
| Any PHYS\_V 100 level (Excluding PHYS\_V 100) | 3 |  | /3 |
| ELECTIVE\*3 | 3 |  | /3 |
| Total Credits |  |  | 30 |

## II) Second Year Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| COURSES | CREDIT | COURSES TAKEN | Total |
| Communication Requirement see note for list\*1 | 3 |  | /3 |
| EOSC\_V 211 or GEOS\_V (or GEOB\_V) 270 | 3 |  | /3 |
| EOSC\_V 212 | 3 |  | /3 |
| EOSC\_V / ATSC\_V / ENVR\_V | 3 |  | /3 |
| EOSC\_V / ATSC\_V / ENVR\_V | 3 |  | /3 |
| ELECTIVES\*3 | 15 |  | /15 |
| Total Credits |  |  | 30 |

## III) UPPER LEVEL (300 or 400) EOSC / ATSC / ENVR or EQUIVALENT COURSE REQUIREMENTS\*4 and \*5

|  |  |  |  |
| --- | --- | --- | --- |
| COURSES | CREDIT | COURSES TAKEN | Total |
| 1 EOSC\_V / ATSC\_V / ENVR\_V | 3 |  |  |
| 2 EOSC\_V / ATSC\_V / ENVR\_V | 3 |  |  |
| 3 EOSC\_V / ATSC\_V / ENVR\_V | 3 |  |  |
| 4 EOSC\_V / ATSC\_V / ENVR\_V | 3 |  |  |
| 5 EOSC\_V / ATSC\_V / ENVR\_V | 3 |  |  |
| 6 EOSC\_V / ATSC\_V / ENVR\_V | 3 |  |  |
| 7 EOSC\_V / ATSC\_V / ENVR\_V @ 400 level | 3 |  |  |
| 8 EOSC\_V / ATSC\_V / ENVR\_V @ 400 level | 3 |  |  |
| Total Credits |  |  | /24 |

**IV) ELECTIVES**

Any level BUT you still require a total of **48 @ 300+ credits** to graduate. For the B.Sc. major, 30 of the 48 upper-level credits must be in science courses numbered 300 and higher.

**12 CREDITS ARTS\*6**

|  |  |  |  |
| --- | --- | --- | --- |
| COURSES | CREDIT | COURSES TAKEN | Total |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| Total Credits |  |  | /12 |

**V) ADDITIONAL CREDITS**

These credits must fulfil the requirements described on the next table and in the notes below.

|  |  |  |  |
| --- | --- | --- | --- |
| COURSES | CREDIT | COURSES TAKEN | Total |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |
| 7 |  |  |  |
| 8 |  |  |  |
| Total Credits |  |  | /24 |

### Faculty of Science Requirements

You must also meet the following requirements:

|  |  |  |
| --- | --- | --- |
| FoS Requirements | Credits | Your Credits |
| Minimum Total Credits | 120 |  |
| 300+ Credits | 48 |  |
| Minimum total Science Credits\*7 | 72 |  |
| Minimum 300+ Science Credits | 30 |  |
| Minimum Arts Credits (excluding Communication) | 12 |  |
| Minimum Communication Credits (including SCIE\_V 113) | 6 |  |
| Maximum Credits not in Science or Arts\*8 | 24 |  |

\*1 A total of 6 credits of coursework is required to meet the Communication Requirement. This includes SCIE\_V 113 (3), which is usually taken in the first year. For a full list of communication courses see [Communication Requirement](https://vancouver.calendar.ubc.ca/node/15384). Arts credits taken to fulfill the Communication Requirement may not be counted towards the Arts Requirement.

\*2 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.

\*3 Elective credits together with required courses must fulfill the Faculty of Science’s:

a) [Foundational Requirement](https://vancouver.calendar.ubc.ca/node/15386); b) [Laboratory Science Requirement](https://vancouver.calendar.ubc.ca/node/15386#18467);  
c) [Science Breadth Requirement](https://vancouver.calendar.ubc.ca/node/15398); d) [Science and Arts Requirements](https://vancouver.calendar.ubc.ca/node/15385);  
e) [Upper-level Requirement](https://vancouver.calendar.ubc.ca/node/15387); f) [General Degree Requirements](https://vancouver.calendar.ubc.ca/node/15405).

\*4 EOSC\_V 310, 311, 314, 315, and 326 cannot be used for credit in any EOAS degree

\*5 A maximum of 6 credits may be replaced from BIOL\_V 306, CHEM\_V 301, 302, GEOS\_V (or GEOB\_V) 300, or 304.

\*6 At least 12 credits must be in courses offered by the Faculty of Arts, excluding GEOS\_V (or GEOB\_V) courses and PSYC\_V courses with science credit. All MUSC\_V courses in music history, music theory, ethnomusicology, or music composition, and a maximum of 8 credits from the ensemble courses, may count as Arts credits in a B.Sc. program.

\*7 Some courses in other faculties carry Science credit. Geography courses identified with the GEOS\_V (or GEOB\_V) subject code carry science credit. All undergraduate psychology courses numbered 60 to 89 in the last two digits, PSYC\_V 348, and PSYC\_V 448 have Science credit. In Faculty of Land and Food Systems FNH\_V 350, 351, 450, and 451 have Science Credit. In the Faculty of Medicine all BIOC\_V, CAPS\_V, PCTH\_V courses, as well as MEDG\_V 410-421 have science credit. ASIC\_V 200 and ASIC\_V 220, which are jointly offered by Science and Arts, will be applied as Arts Credit for Science students.

\*8 You are not required to have any courses outside of Arts or Science but you can take up to 24 credits if you do.