Environmental Science Graduation Checklist

Required Units

To graduate from Environmental Science Program (Major)
- □ at least 120 units
- □ at least 44 upper division units
- □ approval of one of the four concentrations (see back)

To graduate from Environmental Science Honours Program
- □ permission for enrollment in the honours program
- □ at least 132 units
- □ 60 units of upper division course work, of which at least 48 must be in one of the four concentrations

Residency Requirements and Transfer Units: The University’s residency requirement stipulates that, in most cases, total transfer and course challenge units may not exceed 60 units, and may not include more than 15 units as upper division work.

WQB Requirements

- 6 units of Writing (“W”) including at least 3 units taken at SFU
  3 units of W □_______
  3 units of 300- or 400-level W □_______
- 6 units of Quantitative “Q” □_______ □_______
- 18 units of Designated Breath “B”
  6 units of B-Soc (Social Science) □_______ □_______
  6 units of B-Hum (Humanities) □_______ □_______
  6 units of B-Sci (Science) □_______ □_______
- 6 units of Undesignated Breadth □_______ □_______

Notes: A minimum grade of C- is required to earn WQB unit.
A single course can count for W, Q, and B unit (but only one B where two are possible).
See http://students.sfu.ca/wqb for more details.

GPA Requirements

To graduate from the Environmental Science Major Program
- □ CGPA must be 2.0 or higher

To graduate from Environmental Science Honours Program
- □ CGPA must be 3.0 or higher

Advising

Contact Rebecca Ho <env-advisor@sfu.ca>.
Advising on Tuesdays and Fridays only in TASC2 8800.

For more information, please visit our website: www.sfu.ca/evsc.html

Each student is responsible for ensuring that his or her academic choices meet the requirements for graduation. All requirements are outlined in the SFU Calendar. Advisors are available to provide guidance. However, the student has ultimate responsibility for compliance with and completion of the program and degree requirements and for observing regulations and deadlines.
## Course requirements for each of the Environmental Science Concentrations (Major)

### Lower Division Requirements

**APPLIED BIOLOGY**

- Students complete all of  
  - BISC 101-4
  - *BISC 102-4
  - BISC 202-3
  - BISC 204-3
  - *CHEM 121-4
  - *CHEM 122-2
  - CHEM 126-2
  - CHEM 215-4
  - *EVSC 100-3
  - *EVSC 205-3
  - *GEOG 111-3
  - REM 100-3
  - and one of  
    - *MATH 151-3
    - *MATH 154-3
  - and one of  
    - *MATH 152-3
    - *MATH 155-3
  - and one of  
    - *PHYS 101-3
    - *PHYS 120-3
  - and one of  
    - *PHYS 102-3
    - *PHYS 121-3
  - and one of  
    - STAT 201-3
    - STAT 270-3

**ENVIRONMENTAL EARTH SYSTEMS**

- Students complete all of  
  - *BISC 101-4
  - *BISC 102-4
  - *CHEM 121-4
  - *CHEM 122-2
  - EASC 101-3
  - *EVSC 100-3
  - *EVSC 205-3
  - and one of  
    - GEOG 100-3
    - REM 100-3
  - and one of  
    - *MATH 151-3
    - *MATH 154-3
  - and one of  
    - *MATH 152-3
    - *MATH 155-3
  - and one of  
    - *PHYS 101-3
    - *PHYS 121-3
  - and one of  
    - STAT 201-3
    - STAT 270-3

**ENVIRONMENTMETRICS**

- Students complete all of  
  - *BISC 101-4
  - *BISC 102-4
  - *CHEM 121-4
  - *CHEM 122-2
  - *EVSC 100-3
  - *EVSC 205-3
  - *GEOG 111-3
  - and one of  
    - MATH 232-3
    - MATH 253-1
    - REM 100-3
    - STAT 270-3
    - STAT 285-3
  - and one of  
    - *MATH 151-3
    - *MATH 154-3
  - and one of  
    - *MATH 152-3
    - *MATH 155-3

**WATER SCIENCE**

- Students complete all of  
  - *BISC 101-4
  - *BISC 102-4
  - *CHEM 121-4
  - *CHEM 122-2
  - *EVSC 100-3
  - *EVSC 205-3
  - *GEOG 111-3
  - GEOG 213-3
  - GEOG 214-3
  - and one of  
    - *MATH 151-3
    - *MATH 154-3
  - and one of  
    - *MATH 152-3
    - *MATH 155-3

### Upper Division Requirements

**APPLIED BIOLOGY**

- Students complete all of  
  - BISC 316-4
  - BISC 337-4
  - EVSC 399-1
  - EVSC 499-1
  - GEOG 316-4
  - REM 311-3
  - REM 445-3
  - STAT 302-3
  - and two of  
    - ENV 319-3
    - ENV 320W-3
    - REM 321-3 or ENV 321-3
  - and one of  
    - CMNS 347-4
    - ENVS 391-3
    - ENV 320W-3
    - ENV 321-3 or REM 321-3
    - FNST 301-3
    - FNST 332-3
    - FNST 443-4
    - GEOG 322W-4
    - GEOG 325-4
    - GEOG 363-4
    - GEOG 381W-4
    - GEOG 389W-4
    - REM 356-3
    - SA 326-4

**ENVIRONMENTAL EARTH SYSTEMS**

- Students complete all of  
  - EVSC 399-1
  - EVSC 499-1
  - and two of  
    - ENV 319-3
    - ENV 320W-3
    - ENV 321-3 or REM 321-3
    - FNST 301-3
    - FNST 332-3
    - FNST 443-4
    - GEOG 322W-4
    - GEOG 325-4
    - GEOG 363-4
    - GEOG 381W-4
    - GEOG 389W-4
    - REM 356-3
    - SA 326-4
  - and six of, with at least two from the 400-level  
    - BISC 414-3
    - EASC 303W-3
    - EASC 304-3
    - EASC 314-3
    - GEOG 310-4
    - GEOG 311-4
    - GEOG 313-4
    - GEOG 314-4
    - GEOG 315-4
    - GEOG 316-4
    - GEOG 317-4
    - GEOG 411-4
    - GEOG 412W-4
    - GEOG 413-4
    - GEOG 414-4
    - GEOG 415-4
    - GEOG 417W-4
  - and one of  
    - BISC 309-3
    - BISC 404W-3
    - BISC 434-3
    - REM 311-3
    - REM 445-3
    - REM 471-3
  - plus 16 upper division units from the Faculty of Environment or the Faculty of Science with approval from the Director

**ENVIRONMENTMETRICS**

- Students complete all of  
  - *BISC 101-4
  - *BISC 102-4
  - *CHEM 121-4
  - *CHEM 122-2
  - *EVSC 100-3
  - *EVSC 205-3
  - *GEOG 111-3
  - and one of  
    - MATH 232-3
    - MATH 253-1
    - REM 100-3
    - STAT 270-3
    - STAT 285-3
  - and one of  
    - *MATH 151-3
    - *MATH 154-3
  - and one of  
    - *MATH 152-3
    - *MATH 155-3

**WATER SCIENCE**

- Students complete all of  
  - BISC 414-3
  - EASC 304-3
  - EASC 314-3
  - EVSC 399-1
  - GEOG 311-4
  - GEOG 316-4
  - GEOG 317-4
  - GEOG 411-4
  - GEOG 412W-4
  - GEOG 413-4
  - GEOG 414-4
  - GEOG 415-4
  - GEOG 417W-4
  - and one of  
    - REM 356-3
    - SA 326-4
    - SA 371-4
  - and four of, with at least two from the 400-level  
    - EASC 314-3
    - EASC 405-3
    - EASC 410-3
    - EASC 416-3
    - GEOG 310-4
    - GEOG 314-4
    - GEOG 317-4
    - GEOG 411-4
    - GEOG 412W-4
    - GEOG 413-4
    - GEOG 414-4
    - GEOG 417W-4
    - REM 412-3
    - REM 445-3

For complete details on the Major, and to see the Honours requirements, go to:  
http://students.sfu.ca/calendar/environmental_science/index.html

1. STAT 305 is an acceptable substitute for STAT 302
2. Courses may not always be offered with the W designation
3. Additional UD courses are required to reach the 44 UD graduation requirement

* Lower division courses common to all concentrations