Bachelor of Environment Graduation Checklist:
Global Environmental Systems Major

Name: ________________________        Student #: ______________________

General Requirements

To graduate with a Bachelor of Environment with a Global Environmental Systems major, you must have:

- □ completed at least 120 units
- □ completed at least 45 upper division units
- □ completed the WQB requirements and all required courses
- □ met the GPA requirements

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).
   Any required courses for this major may be used to fulfill these requirements.

GPA Requirements

To graduate from the Bachelor of Environment, both the program and the overall CGPAs and UDGPAs must be at least 2.00.

Some departments require higher CGPAs as prerequisites for enrolling in their courses. Be sure to check the calendar for details.

Advising

Contact your academic advisor, Sandy Goettler at envadvi@sfu.ca or 778-782-9396 or in TASC2 8800 during drop-in advising hours as posted on www.fenv.sfu.ca/advising.

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.
Bachelor of Environment Graduation Checklist:
Global Environmental Systems Major

Required Courses

**Lower Division Requirements**

**Students complete all of:**
- ENV 221-3-Systems Thinking & the Environment [Q]
- GEOG 100-3-Society, Space, Environment: Introducing Human Geography [B-Soc]
- GEOG 111-3-Earth Systems [B-Sci]
- GEOG 214-3-Weather & Climate [Q]
- GEOG 255-3-Geographical Information Science I [Q]
- REM 100-3-Global Change [B-Soc]

Choose one of:
- GEOG 251-3-Quantitative Geography [Q]
- STAT 101-3-Intro to Statistics [Q]
- STAT 201-3-Statistics for the Life Sciences [Q]
- STAT 203-3-Intro to Statistics for the Social Sciences [Q]
- STAT 270-3-Intro to Probability and Statistics [Q]

Choose one of:
- ARCH 131-3-Human Origins [B-Soc/Sci]
- BISC 101-4-General Biology [B-Sci]
- BISC 102-4-General Biology [B-Sci]
- HSCI 100-3-Human Biology [B-Sci]

Choose one of:
- ARCH 285-3-Intro to Ecology
- EVSC 100-3-Intro to Environmental Sciences [B-Sci]
- GEOG 215-3-Biogeography

Choose one of:
- ARCH 286-3-Cultural Heritage Stewardship in Global Context
- ENV 222-3-Environmental Controversy
- GEOG 221-3-Economic Geography
- GEOG 241-3-Social Geography
- GEOG 261-3-Intro to Urban Geography [B-Soc]

**Upper Division Requirements**

**Biophysical Systems (choose three of):**
- ARCH 388-5-Geoarchaeology
- GEOG 213-3-Intro to Geomorphology* [Q]
- GEOG 311-4-Hydrology [Q]
- GEOG 312-4-Geography of Natural Hazards
- GEOG 313-4-River Geomorphology [Q]
- GEOG 314-4-The Climate System [Q]
- GEOG 315-4-World Ecosystems
- GEOG 316-4-Global Biogeochemical & Water Cycles [Q]
- GEOG 317-4-Soil Science
- GEOG 319-4-Landscape Ecology
- REM 370-3-Global Resource Issues in Oceanography

- REM 471-3-Forest Ecosystem Management

**Upper Division Requirements (cont'd)**

**Socio-economic Systems (choose three of):**
- ARCH 363-3-Landscape Archaeology
- ARCH 365-3-Archaeological Perspectives on Human Ecology
- DEVS 401-4-Issues, Concepts & Cases in Development & Sustainability
- ENV 321-3/REM 321-3-Ecological Economics
- GEOG 321-4-Geographies of Global Capitalism
- GEOG 322W-4-World Resources [W]
- GEOG 382-4-Population Geography
- GEOG 389W-4-Nature and Society [W]
- GEOG 428-4-World Forests
- POL 346-4-International Organization
- POL 452-4-Energy Policy
- REM 350-4-Sustainable Energy & Materials Mgmt
- REM 356-3-Institutional Arrangements for Sustainable Environmental Mgmt
- SA 371-4-The Environment & Society

**Data Acquisition, Analysis and Modeling (choose three of):**
- ARCH 285-3-Archaeological Science* [Q/B-Sci]
- GEOG 253-3-Intro. to Remote Sensing* [Q]
- GEOG 352-4-Spatial Analysis [Q]
- GEOG 353-4-Advanced Remote Sensing [Q]
- GEOG 414-4-Climate Change [Q]
- GEOG 451-4-Spatial Modeling [Q]
- GEOG 453-4-Theoretical & Applied Remote Sensing [Q]
- REM 311-3-Applied Ecology & Sustainable Environments [Q]
- REM 412-3-Environmental Modeling [Q]

**Communication (choose one of):**
- CMNS 342-4-Science & Public Policy: Risk Communication
- CMNS 349-4-Environment, Media & Communication
- GEOG 351-4-Multimedia Cartography [Q]
- GEOG 356-4-3D Geovisualization

**Capstone (one course):**
- ENV 495-4-Environmental Capstone

*Three lower division courses (ARCH 285-3, GEOG 213-3 and GEOG 253-3) can be used to satisfy some of the upper division requirements of this major and they count toward the required total of 120 units, but do not count towards the graduation requirement of 45 upper division units.