

ENVIRONMENTAL STUDIES – MAJOR (ARTS) – BACHELOR OF ARTS (HONOURS)

ENVS-M-BAH

Subject: Administered by the School of Environmental Studies.

Plan: Consists of 60.00 units as described below.

Program: The Plan, alone, or in combination with a Minor in another subject, and with sufficient electives to total 120.00 units, will lead to a Bachelor of Arts (Honours) Degree.

Requirements for this program have been modified. Please consult the 2021-2022 (<https://www.queensu.ca/academic-calendar/archive/2021-2022/arts-science/>) **Calenda** (<https://www.queensu.ca/academic-calendar/archive/2021-2022/arts-science/>) for the previous requirements.

| Code | Title | Units |
|---|--|-------------|
| 1. Core | | |
| A. Complete 3.00 units from the following: | | 3.00 |
| BIOL 103 | Fundamentals of Biology: Organisms to Ecosystems | |
| BIOL 111 | Ecology and the Environment | |
| B. Complete the following: | | |
| ENSC 103 | Environment and Sustainability | 3.00 |
| GPHY 101 | Human Geography | 3.00 |
| GPHY 102 | Physical Geography and Natural Resources | 3.00 |
| C. Complete 3.00 units from the following: | | 3.00 |
| GEOL 104 | The Dynamic Earth | |
| GEOL 106 | Environmental Geology and Natural Hazards | |
| GEOL 107 | History of Life | |
| D. Complete the following: | | |
| DEVS 250 | Environmental Transformations | 3.00 |
| ENSC 201 | Environmental Toxicology and Chemical Risks | 3.00 |
| ENSC 230 | Principles of Sustainability | 3.00 |
| ENSC 290 | Introduction to Ecological Economics | 3.00 |
| E. Complete the following: | | |
| ENSC 301 | Environmental Assessment | 3.00 |
| ENSC 330 | Applications of Sustainability | 3.00 |
| F. Complete 6.00 units from the following: | | 6.00 |
| ENSC 430 | Honours Projects in Environmental Sustainability | |
| ENSC 501 | Independent Environmental Study | |
| ENSC 502 | Research Project Sustainability | |

ENSC_Seminar

2. Option

– ENVIRONMENTAL STUDIES –

A. Complete 9.00 units from the following: 9.00

ENSC 200 Environmental History

ENSC 305 Social Environments

ENSC 310 Environmental Policy

ENSC 315 Global Food Security, Agriculture, and Environment

ENSC 321 Environmental Justice in Global Context

B. Complete 3.00 units from the following course list: 3.00

ENSC_Interdisciplinary_SocSci/Huma

C. Complete 3.00 units from the following course list: 3.00

ENSC Interdisciplinary_Humanities

– ENVIRONMENTAL SCIENCE –

D. Complete 3.00 units from the following course list: 3.00

ENSC_Integrative Science

E. Complete 3.00 units from the following course list: 3.00

STAT_Options

Electives

Elective Courses 60.00

Total Units 120.00

3. Notes

A. Students are advised to complete at least 15.00 units from the core courses in their first-year. Deferring 100-level courses to the final year of study is strongly discouraged.

B. Students who opt to take ENSC 502 to satisfy Core requirement **1.F.** may use the further 6.00 units in electives and/or Plan requirements as approved by the Chair of Undergraduate Studies.

C. A maximum of 6.00 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan requirements. This includes courses in BMED, COMM, GLPH, LAW, NURS and courses in the Faculty of Engineering and Applied Science.

Environmental Studies Course Lists

The following lists contain courses offered through other Departments. In accordance with Academic Regulation **2.5** (Access to Classes), students do not have enrolment priority in all of these courses. Access to these courses may only be



made available during the Open Enrolment period, and then only if space permits.

ENSC_Integrative_Science

| Code | Title | Units |
|--|--|-------|
| Environmental Science/Studies Integrative Science Options | | |
| BIOL 103 | Fundamentals of Biology: Organisms to Ecosystems | 3.00 |
| BIOL 212 | Scientific Methods in Biology | 3.00 |
| BIOL 335 | Limnology and Aquatic Ecology | 3.00 |
| ENSC 201 | Environmental Toxicology and Chemical Risks | 3.00 |
| ENSC 301 | Environmental Assessment | 3.00 |
| ENSC 307 | Marine Environmental Issues | 3.00 |
| ENSC 320 | Wildlife Issues in a Changing World | 3.00 |
| ENSC 425 | Ecotoxicology | 3.00 |
| ENSC 471 | Environmental Analysis Methods | 3.00 |
| ENSC 407 | Global Water Issues | 3.00 |
| ENSC 480 | Special Topics in Environmental Science | 3.00 |
| GEOL 106 | Environmental Geology and Natural Hazards | 3.00 |
| GEOL 107 | History of Life | 3.00 |
| GEOL 200 | Oceanography | 3.00 |
| GPHY 207 | Principles Of Biogeography | 3.00 |
| GPHY 209 | Weather and Climate | 3.00 |
| GPHY 304 | Northern and Arctic Environments | 3.00 |
| GPHY 306 | Natural Environmental Change | 3.00 |
| GPHY 310 | Landscape Ecology | 3.00 |
| GPHY 312 | Watershed Hydrology | 3.00 |
| GPHY 314 | Climate Change | 3.00 |
| GPHY 317 | Soil, Environment, and Society | 3.00 |
| GPHY 318 | Advanced Biogeography | 3.00 |
| GPHY 319 | Contemporary Energy Resources | 3.00 |
| GPHY 320 | Energy and Society | 3.00 |

ENSC_Interdisciplinary_Humanities

| Code | Title | Units |
|---|---|-------|
| Environmental Science/Studies Interdisciplinary Humanities Options | | |
| CLST 214 | Ancient Science | 3.00 |
| DEVS 220 | Introduction to Indigenous Studies | 3.00 |
| DEVS 221 | Indigenous Studies II - Resistance and Resurgence | 3.00 |
| PHIL 203 | Science and Society | 3.00 |
| PHIL 293 | Humans and the Natural World | 3.00 |
| PHIL 310 | Development Ethics | 3.00 |

| | | |
|----------|----------------------------|------|
| PHIL 493 | Ethics and the Environment | 3.00 |
| RELS 235 | Religion and Environment | 3.00 |

ENSC_Interdisciplinary_SocSci/Huma

| Code | Title | Units |
|--|--|-------|
| Environmental Science/Studies Interdisciplinary and Social Science and Humanities Options | | |
| CHEE 342 | Environmental Biotechnology | 3.00 |
| CLST 214 | Ancient Science | 3.00 |
| DEVS 220 | Introduction to Indigenous Studies | 3.00 |
| DEVS 221 | Indigenous Studies II - Resistance and Resurgence | 3.00 |
| DEVS 250 | Environmental Transformations | 3.00 |
| ECON 290 | Environmental Economics and Assessment | 3.00 |
| ENSC 200 | Environmental History | 3.00 |
| ENSC 290 | Introduction to Ecological Economics | 3.00 |
| ENSC 301 | Environmental Assessment | 3.00 |
| ENSC 305 | Social Environments | 3.00 |
| ENSC 307 | Marine Environmental Issues | 3.00 |
| ENSC 310 | Environmental Policy | 3.00 |
| ENSC 311 | Applied Environmental Policy | 3.00 |
| ENSC 315 | Global Food Security, Agriculture, and Environment | 3.00 |
| ENSC 320 | Wildlife Issues in a Changing World | 3.00 |
| ENSC 321 | Environmental Justice in Global Context | 3.00 |
| ENSC 391 | Practical Applications in Sustainability | 3.00 |
| ENSC 407 | Global Water Issues | 3.00 |
| ENSC 420 | Gender and Environments | 3.00 |
| ENSC 482 | Special Topics in Environmental Studies | 3.00 |
| ENSC 483 | Special Topics in Environmental Studies II | 3.00 |
| GPHY 336 | Geography, the Environment and Human Health | 3.00 |
| GPHY 339 | Medical Geography | 3.00 |
| GPHY 365 | Geography, Development, and Environment in the 'Third World' | 3.00 |
| PHIL 203 | Science and Society | 3.00 |
| PHIL 293 | Humans and the Natural World | 3.00 |
| PHIL 310 | Development Ethics | 3.00 |
| PHIL 493 | Ethics and the Environment | 3.00 |
| RELS 235 | Religion and Environment | 3.00 |

ENSC_Interdisciplinary_SocSci/Huma_Gen/Min_Options

| Code | Title | Units |
|--|-----------------|-------|
| Environmental Studies Interdisciplinary and Social Science and Humanities Gen/Min Options | | |
| CLST 214 | Ancient Science | 3.00 |

| | | |
|----------|--|------|
| DEVS 220 | Introduction to Indigenous Studies | 3.00 |
| DEVS 221 | Indigenous Studies II - Resistance and Resurgence | 3.00 |
| DEVS 250 | Environmental Transformations | 3.00 |
| ECON 290 | Environmental Economics and Assessment | 3.00 |
| ENSC 200 | Environmental History | 3.00 |
| ENSC 290 | Introduction to Ecological Economics | 3.00 |
| ENSC 301 | Environmental Assessment | 3.00 |
| ENSC 305 | Social Environments | 3.00 |
| ENSC 307 | Marine Environmental Issues | 3.00 |
| ENSC 310 | Environmental Policy | 3.00 |
| ENSC 315 | Global Food Security, Agriculture, and Environment | 3.00 |
| ENSC 320 | Wildlife Issues in a Changing World | 3.00 |
| ENSC 321 | Environmental Justice in Global Context | 3.00 |
| ENSC 407 | Global Water Issues | 3.00 |
| PHIL 293 | Humans and the Natural World | 3.00 |
| PHIL 493 | Ethics and the Environment | 3.00 |
| RELS 235 | Religion and Environment | 3.00 |

ENSC_Seminar

| Code | Title | Units |
|--|--|-------|
| Environmental Science/Studies Seminar Options | | |
| ENSC 407 | Global Water Issues | 3.00 |
| ENSC 420 | Gender and Environments | 3.00 |
| ENSC 425 | Ecotoxicology | 3.00 |
| ENSC 480 | Special Topics in Environmental Science | 3.00 |
| ENSC 483 | Special Topics in Environmental Studies II | 3.00 |

STAT_Options

| Code | Title | Units |
|---------------------------------|----------------------------|-------|
| Statistic Course Options | | |
| BIOL 243 | Introduction to Statistics | 3.00 |
| CHEE 209 | Analysis Of Process Data | 3.00 |
| COMM 162 | Managerial Statistics | 3.00 |
| ECON 250 | Introduction to Statistics | 3.00 |
| GPHY 247 | Introduction to Statistics | 3.00 |
| KNPE 251 | Introduction to Statistics | 3.00 |
| NURS 323 | Introduction to Statistics | 3.00 |
| POLS 285 | Introduction to Statistics | 3.00 |
| PSYC 202 | Statistics in Psychology | 3.00 |
| SOCY 211 | Introduction to Statistics | 3.00 |
| STAM 200 | Introduction to Statistics | 3.00 |
| STAT 263 | Introduction to Statistics | 3.00 |
| STAT 367 | Engineering Data Analysis | 4.00 |