

E N V I R O N M E N T A L S T U D I E S P R O G R A M

EGPY-P-BSH

SSP ENVIRONMENTAL SCIENCE GEOGRAPHY PROGRAM REQUIREMENTS

2020/2021

Advisor: Dr. Ryan Danby, BioSciences 3244, email: ryan.danby@queensu.ca

The four-year B.Sc. (Honours, SSP, Earth Systems Science) requires a minimum of **120.0 units** in total.

Core: 48.0 units	Completed
3.0 units from BIOL 111(Ecology & the Environment) or BIOL 103 (Intro. Biology of Organisms)	
6.0 units from GPHY 101(Human Geography) and GPHY 102(Earth System Science)	
3.0 units in GEOL 200 (Oceanography)	
12.0 units in GPHY 207(Principles of Biogeography); GPHY 208(Principles of Geomorphology & Pedology); GPHY 209(Principles of Hydroclimatology); GPHY 247(Intro. to Statistics)	
3.0 units from GPHY 227(Cities: Geography, Planning & Urban Life); GPHY 228(Geographies of the Global Political Economy); GPHY 229 (Place, Space, Culture and Social Life)	
3.0 units from GPHY 242(Remote Sensing I); GPHY 243(GIS); GPHY 342(Remote Sensing II)	
6.0 units in GPHY 415 (Advanced Analysis of Earth Surface Processes)	
3.0 units in ENSC 103 (Environment and Sustainability)	
3.0 units in ENSC 390 (Sustainability)	
6.0 units from ENSC 430 (Honours Projects in Environmental Sustainability) or ENSC 501 or ENSC 502	
Option: 39.0 units	Completed
3.0 units in GEOL	
6.0 units from ENSC Specialization Options A: BIOL 102(Introductory Biology of Cells), BIOL 103(Introductory Biology of Organisms), BIOL 335(Limnology and Aquatic Ecology), ENSC 301(Ecological Assessment), ENSC 320(Wildlife Issues in a Changing World), GPHY 310(Landscape Ecology), GPHY 318(Biogeography)	
6.0 units from ENSC Interdisciplinary Social Science and Humanities: CHEE 342 (Environmental Biotechnology), CLST 214 (Ancient Science), DEVS 220(Intro to Aboriginal Studies), DEVS 221(Topics in Aboriginal Studies), DEVS 250 (Global Environmental Transformations), ENSC 200(Environmental History), ENSC 290(Intro. To Ecological Economics) or ECON 290(Intro. to Environmental Economics), ENSC 301 (Environmental Assessment), ENSC 305(Social Environments), ENSC 307(Marine Environmental Issues), ENSC 310(Environmental Policy), ENSC 315(Global Food Security, Agriculture and Environment), ENSC 320 (Wildlife Issues in a Changing World), ENSC321(Environmental Justice), ENSC 407(Global Water Issues), ENSC 420(Gender and Environments), ENSC 482(Special Topics in Environmental Studies), ENSC 483(Special Topics in Environmental Studies II), GPHY 336(Geography, Environment & Human Health), GPHY 339(Medical Geography), PHIL 203 (Science and Society), PHIL 293(Humans and the Natural World), PHIL 310(Development Ethics), PHIL 493(Ethics and the Environment), RELS 235(Religion and Environment)	
3.0 units from ENSC Interdisciplinary Humanities: CLST 214(Ancient Science), DEVS 220(Intro to Aboriginal Studies), DEVS 221(Topics in Aboriginal Studies), PHIL 203(Science and Society), PHIL 293(Humans & the Natural World), PHIL 310(Development Ethics), PHIL 493(Ethics & the Environment), RELS 235(Religion and Environment)	
15.0 units from EGPY Options A: GPHY 303, 304, 306, 312, 314, 317, 318, 411, 413, 417, 418 (also 300*, 301*, 308, 310, 311*, 313* - old courses)	
6.0 units from EGPY Options B: BIOL 302, 303, 335, CIVL 282, 283, CHEM 211, 212, 213, 221,	

223, 280, 281, 282, 326, GEOL 232, 238, 333, 343, 365, 485, MICR 221	
3. Supporting: 12.0 units	Completed
6.0 units from CHEM or PHYS at the 100-level or above	
6.0 units from MATH or STAT at the 100-level or above	
Electives: 21.0 units	