

TABLE 1 – ESG UNDERGRADUATE PROGRAMS

B.A. GEOGRAPHY	B.A. ENVIRONMENTAL STUDIES	B.Sc. ENVIRONMENTAL SCIENCE
<p>Geography Major (15 courses or 45 credits)</p> <p><u>Core (4 courses or 12 credits)</u> ESG126 Intro Human Geography ESG127 Intro Physical Geography ESG260 Research Methods ESG261 Quant. Methods (or any quantitative methods course from among the following: BMA140, PMA260, or PHY101)</p> <p><u>Additional required:</u> Any 11 courses (33 credits) from the ESG department</p> <hr/> <p>Geography Honours (20 courses or 60 credits)</p> <p>Same as Geography Major, plus</p> <p><u>Core (2 courses or 6 credits)</u> ESG461 Honours Proposal ESG462 Honours Thesis</p> <p><u>Additional required:</u> Any 3 courses (9 credits) from the ESG department</p> <hr/> <p>Geography Minor (8 courses or 24 credits)</p> <p><u>Core (2 courses or 6 credits)</u> ESG126 Intro Human Geography ESG127 Intro Physical Geography</p> <p><u>Additional required:</u> Any 6 courses (18 credits) from the ESG department</p>	<p>Environmental Studies Major (16 courses or 48 credits)</p> <p><u>Core (11 courses or 33 credits)</u> ESG100 Intro to Env Studies ESG126 Intro Human Geography ESG127 Intro Physical Geography MAT190 Precalculus Math ELA116 Effective Writing (or any University-level English literature 3-credit course) ESG224 Human Impact of the Env ESG260 Research Methods ESG261 Quant. Methods (or any quantitative methods course from among the following: BMA140, PMA260, or PHY101) ESG262 Intro to GIS ESG267 Global Env Change ESG300 Environmental Studies Seminar</p> <p><u>Additional required:</u> Any 5 courses (15 credits) from the ESG department</p> <hr/> <p>Environmental Studies Honours (20 courses or 60 credits)</p> <p>Same as Environmental Studies Major, plus</p> <p><u>Core (2 courses or 6 credits)</u> ESG461 Honours Proposal ESG462 Honours Thesis</p> <p><u>Additional required:</u> Any 2 courses (6 credits) from the ESG department</p>	<p>Environmental Science Major (25 courses or 75 credits)</p> <p><u>Core (13 courses or 39 credits)</u> MAT198 Calculus I (for Life Sciences) MAT199 Calculus II (for Life Sciences) PHY193 Physics for Life Sciences I & Lab PHY194 Physics for Life Sciences II & Lab CHM191 General Chemistry I & Lab CHM192 General Chemistry II & Lab BIO196 Intro to Biology I & Lab BIO207 General Ecology & Lab ESG100 Intro to Env Studies <u>or</u> ESG126 Intro Human Geo ESG127 Intro to Physical Geography ESG260 Research Methods ESG261 Quant. Methods <u>or</u> PHY101 Statistical Methods ESG267 Global Environmental Change</p> <p><u>Additional required DNS courses:</u> Any 5 courses (15 credits) from this list:</p> <p>PHY206 Waves and Optics & Lab PHY207 Thermal and Fluid Physics & Lab CHM111 Organic Chemistry I & Lab CHM141 Analytical Chemistry & Lab CHM241 Environmental Chemistry I & Lab CHM242 Environmental Chemistry II & Lab BIO111 Organic Gardening BIO205 Diversity of Life I & Lab BIO206 Diversity of Life II & Lab BIO321 Biogeography BIO327 Advanced Ecology</p> <p><u>Additional required ESG courses:</u> Any 7 courses (21 credits) from this list:</p>
<p>Certificate in Environmental Studies and Geography (10 courses or 30 credits)</p> <p>ESG100 Intro to Env Studies ESG126 Intro Human Geography ESG127 Intro Physical Geography</p> <p><u>Additional required:</u> Any 7 courses (21 credits) from the ESG department.</p>	<p>Environmental Studies Minor (8 courses or 24 credits)</p> <p><u>Core (2 courses or 6 credits)</u> ESG100 Intro to Env Studies ESG126 Intro Human Geography ESG127 Intro Physical Geography ESG224 Human Impact of the Env</p> <p><u>Additional required:</u> Any 4 courses (12 credits) from the ESG department</p>	<p>ESG250 Geomorphology ESG251 Soils & Vegetation ESG226 Physical Oceanography ESG227 Biogeochemical & Environmental Oceanography ESG265 Atmosphere & Weather ESG269 Earth's Crust ESG349 Watershed Management ESG354 Env Impact Assessment ESG361 Glacial Environments ESG363 Natural Hazards ESG364 Field Course ESG365 Mid-Latitude Weather Systems ESG367 Climate Change</p> <hr/> <p>Environmental Science Honours (27 courses or 81 credits)</p> <p>Same as Environmental Science Major, plus</p> <p><u>Core (2 courses or 6 credits)</u> ESG461 Honours Proposal ESG462 Honours Thesis</p>
<p>NOTES (all programs):</p> <p>Bear in mind, when choosing additional required courses, that many upper-year courses have prerequisites that need to be honoured.</p> <p>Due to the abundant overlap in core and additional required courses, a student cannot double major in any two ESG programs (e.g. double major in Geography and in Environmental Studies). Neither can a student major in one ESG program and minor in another ESG program.</p>		
<p>Environmental Science Minor (8 courses or 24 credits)</p> <p><u>Core (3 courses or 9 credits)</u> ESG100 Intro to Env Studies ESG127 Intro Physical Geography ESG261 Quant. Methods <u>or</u> PHY101 Statistical Methods</p> <p><u>Additional required DNS courses:</u> Any 3 courses (9 credits) from the list of additional required DNS courses for the Environmental Science Major</p> <p><u>Additional required ESG courses:</u> Any 2 courses (6 credits) from the list of additional required ESG courses for the Environmental Science Major</p>		