

Table 1 – GEO, EST & ENV PROGRAMS

B.A. GEOGRAPHY (GEO)	B.A. ENVIRONMENTAL STUDIES (EST)	B.Sc. ENVIRONMENTAL SCIENCE (ENV)
<p>Geography Major (15 courses or 45 credits) (MAJGEO)</p> <p><u>Core (5 courses or 15 credits)</u> ESG126 Intro Human Geography ESG127 Intro Physical Geography ESG260 Research Methods ESG261 Quant. Methods (or one of the following: BMA140, PMA260, or PHY101) ESG262 Intro to GIS</p> <p><u>Additional required:</u> Any 10 courses (30 credits) from the ESG department</p> <hr/> <p>Geography Honours (20 courses or 60 credits) (HONGEO)</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>	<p>Environmental Studies Major (16 courses or 48 credits) (MAJEST)</p> <p><u>Core (8 courses or 24 credits)</u> ENG116 Effective Writing (or any University-level English literature 3-credit course) ESG100 Intro to Env Studies 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) ESG262 Intro to GIS ESG300 Environmental Studies Seminar</p> <p><u>Additional required:</u> Any 8 courses (24 credits) from the ESG department</p> <hr/> <p>Environmental Studies Honours (20 courses or 60 credits) (HONEST)</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) (MAJENV)</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 PHL193 PHY194 Physics for Life Sciences II & Lab PHL194 CHM191 General Chemistry I & Lab CHL191 CHM192 General Chemistry II & Lab CHL192 BIO196 Intro to Mol & Cell Bio I & Lab BIL196 BIO207 Intro to Evolution & Ecology ESG100 Intro to Env Studies ESG127 Intro to Physical Geography ESG260 Research Methods ESG261 Quant. Methods <u>or</u> PHY101 Statistical Methods ESG262 Intro to GIS</p> <p><u>Additional required DNS courses:</u> Any 5 courses (15 credits) from this list: PHY206 Waves and Optics & Lab PHL206 PHY207 Thermal and Fluid Physics CHM111 Organic Chemistry I & Lab CHL111 CHM141 Analytical Chemistry & Lab CHL141 BIO211 Sustainable Org Agriculture & Lab BIL211 BIO205 Diversity of Life I & Lab BIL205 BIO206 Diversity of Life II BIO331 Freshwater Biology & Lab BIL331 BIO327 Advanced Ecology</p>
<p>Geography Minor (8 courses or 24 credits) (MINGEO)</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 Minor (8 courses or 24 credits) (MINEST)</p> <p><u>Core (2 courses or 6 credits)</u> ESG100 Intro to Env Studies ESG126 Intro Human Geography ESG127 Intro Physical Geography</p> <p><u>Additional required:</u> Any 5 courses (15 credits) from the ESG department</p>	<p><u>Additional required ESG courses:</u> Any 7 courses (21 credits) from this list: ESG250 Geomorphology ESG251 Soils & Vegetation ESG226 Physical Oceanography ESG227 Biogeochemical & Environmental Oceanography ESG263 Intro to Remote Sensing ESG265 Atmosphere & Weather ESG269 Earth's Crust ESG349 Watershed Management ESG354 Env Impact Assessment ESG361 Glacial Environments ESG263 Advanced GIS ESG363 Natural Hazards ESG364 Field Course ESG365 Mid-Latitude Weather Systems ESG367 Climate Change</p>
<p>Certificate in Environmental Studies and Geography (10 courses or 30 credits) (CONESG)</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 Science Honours (27 courses or 81 credits) (HONENV)</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:</p> <ol style="list-style-type: none"> 1. You cannot major in either EST, GEO or ENV and minor in any of EST, GEO or ENV at the same time, due to the abundant overlap in courses. However, you can major in either EST, GEO or ENV and minor in AGR. 2. For B.A programs, you must take a 3-credit course from the Division of Natural Sciences to fulfil your divisional requirement. 3. Many upper-year courses have prerequisites that need to be honoured. 		<p>Environmental Science Minor (8 courses or 24 credits) (MINENV)</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 <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>