**Honours Environmental Sciences B.Sc.**

Name: __________________  Student # __________________

### Additional Course Requirements

#### Core Courses

<table>
<thead>
<tr>
<th>Year</th>
<th>Core</th>
<th>Additional</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Bio 1M03</td>
<td>15 Units from Science Level 1 Course List:</td>
<td>6 units from Level 1 electives</td>
</tr>
<tr>
<td></td>
<td>Math 1A03</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Math 1LS3</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Envir Sc 1C03</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Earth Sc 1G03</td>
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</tbody>
</table>

*Both Envir Sc 1C03 & Earth Sc 1G03 must be completed by the end of Level 2.*

#### Levels II through IV

<table>
<thead>
<tr>
<th>Year</th>
<th>Core</th>
<th>Additional</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>Envir Sc 2B03</td>
<td>12 units from:</td>
<td>27 units:</td>
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<tr>
<td></td>
<td>Earth Sc 2E03</td>
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<td>Geog 2G13</td>
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<td>Envir Sc 2W03</td>
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<tr>
<td></td>
<td>Earth Sc 2T03</td>
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</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Core</th>
<th>Additional</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV</td>
<td>Envir Sc 3B03</td>
<td>12 units from:</td>
<td>3 units from:</td>
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<tr>
<td></td>
<td>Earth Sc 3CC3</td>
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<tr>
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<td>Geog 3EE3</td>
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<td>Envir Sc 3U03</td>
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<td>Earth Sc 3W03</td>
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<tr>
<td></td>
<td>Geog 3EC3</td>
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</tr>
<tr>
<td></td>
<td>Geog 3ER3</td>
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</tbody>
</table>

### Additional Course List

9 units from Envir. Sc. Course List

18 units from Level III, IV in Envir. Sc. Course List

**Please note:** No more than 48 units may be Level I courses

**Please note** that the Level 1 Science Course List excludes the following courses:

- BIOLOGY 1P03
- CHEM 1R03
- MATH 1F03
- MATH 1K03
- STATS 1L01

### Environmental Sciences Course List

- ASTRON 2E03
- BIOLOGY 2D03
- BIOLOGY 2F03
- BIOLOGY 3D03
- BIOLOGY 3R03
- BIOLOGY 3S03
- BIOLOGY 4A03
- BIOLOGY 4J03
- STATS 2B03
- LIFE SCI 2B03
- ENVIR SC 2B03
- ENVIR SC 2C03
- ENVIR SC 2E03
- EARTH SCI 2F03
- EARTH SCI 3E03
- EARTH SCI 3G03
- EARTH SCI 3H03
- EARTH SCI 4A03
- EARTH SCI 4J03
- EARTH SCI 4K03
- EARTH SCI 4L03
- EARTH SCI 4M03
- EARTH SCI 4N03
- EARTH SCI 4P03
- EARTH SCI 4Q03
- EARTH SCI 4R03
- STATISTICS 2B03
- ENVIR SC 4BB3
- ENVIR SC 4CC3
- ENVIR SC 4DD3
- ENVIR SC 4EE3
- ENVIR SC 4FF3
- ENVIR SC 4GG3
- ENVIR SC 4HH3
- ENVIR SC 4II3
- ENVIR SC 4JJ3
- ENVIR SC 4KK3
- ENVIR SC 4LL3
Notes Applicable to all Honours Earth and Environmental Sciences Programs
Earth and Environmental Sciences at McMaster encompass five major themes: Aqueous Environmental Geochemistry, Earth Sciences, Environmental Hydrology and Climate, Environmental Policy, GIS and Spatial Analysis. It should be noted that each thematic area has its own sequence of courses and prerequisites (see the Course Listings section in the Undergraduate Calendar). Students may elect to take some or all of the upper level courses from different areas. In addition, there is a set of courses encompassing research design, field work, internships, and the senior thesis or review paper.

AQUEOUS ENVIRONMENTAL GEOCHEMISTRY
EARTH SC 3CC3, 4CC3, ENVIR SC 2Q03, 3O03, 4N03

EARTH SCIENCES
EARTH SC 2E03, 2FE3, 2K03, 2T03, 3E03, 3K03, 3SR3, 3Z03, 4G03, 4J03, 4P03, 4T03, 4VV3, GEOG 3SR3

ENVIRONMENTAL HYDROLOGY AND CLIMATE
EARTH SC 4CC3, 3W03, 4CC3, 4WB3, ENVIR SC 2B03, 2C03, 2W03, 3B03, 3U03, 4BB3, 4C03, 4W03

ENVIRONMENTAL POLICY
ENVIR SC 4EA3, GEOG 2EI3, 2EK3, 3EC3, 3EE3, 3EG3, 4ET3, 4HH3

GEOGRAPHIC INFORMATION SYSTEMS (G.I.S) AND SPATIAL ANALYSIS
GEOG 2GI3, 3GI3, 3SR3, 3GV3, 4GA3, 4GS3, 4GT3

Students aiming to meet the academic requirements for professional registration of Geoscientists in Ontario can find additional information on these requirements on the website: https://www.science.mcmaster.ca/geo/undergraduate.html. Students are encouraged to consult with the academic advisor in the School of Geography and Earth Sciences to ensure proper selection of courses for professional registration.

ADMISSION NOTE
Two of ENVIR SC 1C03, EARTH SC 1G03 must be completed by the end of Level II.

ADMISSION
Completion of any Level I program with a Grade Point Average of at least 5.0 including:

3 units from ENVIR SC 1C03, EARTH SC 1G03 with a grade of at least C+ (See Admission Note above.)

NOTE: Students who have satisfied all above admission criteria and have a Grade Point Average between 4.5 and 4.9 will be admitted to the program, on Program Probation. Students may be on Program Probation only once. Eligibility to continue in the program will require a Grade Point Average of at least 5.0 at the next academic review.

See front for complete set of course requirements