### Year I

#### Core
- 3 Units from:
  - Math 1A03
  - Math 1LS3

#### Specialist
- 18 Units from Science Level 1 Course List:
  - [ ]

#### Additional
- 3 Units from:
  - Envir Sc 1A03
  - Envir Sc 1B03
  - Envir Sc 1C03
  - Envir Sc 1G03

#### Electives
- 6 units from Level I electives
  - [ ]
  - [ ]

### Year II

#### Core
- 12 units from Level II of Earth Science or Geography courses
  - [ ]
  - [ ]
  - [ ]
  - [ ]

#### Faculty of Science courses
- 6 units from Faculty of Science courses
  - [ ]
  - [ ]

#### Electives
- 12 units
  - [ ]
  - [ ]
  - [ ]
  - [ ]

### Year III

#### Core
- 12 units from Level III, IV of Earth Science or Geography courses
  - [ ]
  - [ ]
  - [ ]
  - [ ]

#### Faculty of Science courses
- 3 units from Faculty of Science courses
  - [ ]

#### Electives
- 15 units
  - [ ]
  - [ ]
  - [ ]
  - [ ]

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Please note: No more than 42 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

Please note that no more than 9 units from the following courses can count towards the program:

- □ EARTH SC 2AA3
- □ EARTH SC 2GG3
- □ EARTH SC 2WW3
- □ GEOG 2RC3
- □ GEOG 2RM3
- □ GEOG 2RU3
- □ GEOG 2RW3
- □ GEOG 3RW3
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 2L03, 3CC3, 3L03, 3M03, 3O03, 4CC3, 4N03

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

ENVIRONMENTAL HYDROLOGY AND CLIMATE
EARTH SC 2B03, 2C03, 2W03, 3B03, 3CC3, 3N03, 3U03, 3W03, 4BB3, 4C03, 4CC3, 4W03, 4WB3

ENVIRONMENTAL POLICY
EARTH SC 2EI3, 4EA3; ENVIR SC 3EE3, 4HH3; GEOG 3EC3, 4ET3

GEOGRAPHIC INFORMATION SYSTEMS (G.I.S) AND SPATIAL ANALYSIS
EARTH SC 2GI3, 3GI3, 3SR3, 3GV3, 4GA3; GEOG 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: http://www.science.mcmaster.ca/geo/undergraduate/programs/science.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, 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 3.5 including:

3 units from ENVIR SC 1C03, 1G03 with a grade of at least C-

See front for complete set of course requirements

PROGRAM NOTES
1. There are Level II prerequisites for many Level III courses; these should be considered when choosing Level II courses. As an aid to choosing a coherent set of courses in a single discipline, students should consult the list of thematic areas applicable to all Honours Earth and Environmental Sciences programs.
2. Students should seek academic advising from the School of Geography and Earth Sciences to ensure that their choices are appropriate.
3. No more than 9 units from EARTH SC 2AA3, 2GG3, 2MM3, 2WW3, GEOG 2RC3, 2RM3, 2RU3, 2RW3, 3RW3; may count towards a student's program; additional units taken from this group of courses will count towards elective units.
4. LIFE SCI 2H03 may be taken to meet program requirements