

## Diploma to Degree Pathways Program in Environmental Science at Western University

Below are the courses students will need to take towards their degree/module at Western University from a **2-year Environmental Technician Diploma from** and a **3-year Environmental Technology Diploma from Loyalist College**.

Course descriptions, course nomenclature (e.g. F/G) and breadth categories (e.g. category A course) can be found in the Academic Calendar – <http://westerncalendar.uwo.ca>

The Environmental Science course list can be found here: <http://www.westerncalendar.uwo.ca/2014/pg684.html#33078>

It is highly recommended that you plan course/year progression with the Environmental Science Academic Counsellor.

### College Program - Environmental Technician Diploma – 2 year

Common courses taken by students in all modules	Degree Program/ Module	Courses taken towards module or graduation requirements	Notes
<ul style="list-style-type: none"> <li>• <b>1.0 course</b> from: Calculus 1000A/B, or 1500A/B, 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B, Applied Mathematics 1201A/B, <b>must be completed during the first year of enrollment</b></li> <li>• <b>0.5 course</b>: Chemistry 2210A/B.</li> <li>• <b>0.5 course</b> from: Biology 2244A/B, Statistical Sciences 2141A/B, 2143A/B, 2244A/B, Psychology 2810 (Module will be 8.0 courses if Psychology 2810 is taken).</li> <li>• <b>0.5 course</b>: a Geography half-course from the Environmental Science Course List.</li> <li>• <b>0.5 course</b> at the 2000-level from Earth Sciences courses in the Environmental Physical Sciences Subject Courses List.</li> <li>• <b>1.0 course</b>: Environmental Science 3300F/G, 3350F/G.</li> <li>• <b>1.5 additional courses</b> from the 'Environmental Science Course List',</li> </ul>	B.Sc. Environmental Science Major – 3 year degree	<ul style="list-style-type: none"> <li>• <b>4.0 option courses</b> (3.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 1.0 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a category B course</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 9.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 4.5 courses are Science courses</li> </ul>
	B.Sc. Environmental Science Major – 4 year	<ul style="list-style-type: none"> <li>• <b>9.0 option courses</b> (8.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 6.0 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a category B course</li> <li>• Environmental Science 4970F/G may be taken as an option but will not be counted towards module requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 14.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 7.5 courses are Science courses</li> </ul>
	B.Sc. Environmental Science Specialization – 4 year	<ul style="list-style-type: none"> <li>• <b>0.5 course from</b>: Environmental Science 4949F/G, Biology 4230A/B, 4243G, 4405F/G, Earth Sciences 4431A/B.</li> <li>• <b>2.5 additional courses</b> at the 3000 level or above from Environmental Science</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 14.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0</li> </ul>

including at least 0.5 from each of the 3 subject areas (physical, life science and philosophy/policy/political science group)		<p>4970F/G or the 'Environmental Science Course List'.</p> <ul style="list-style-type: none"> <li>• <b>6.0 option courses</b> (5.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 3.5 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a category B course</li> </ul>	are essay courses and 7.5 courses are Science courses
	B.Sc. Environmental Science Honors Specialization – 4 year	<ul style="list-style-type: none"> <li>• <b>1.5 course:</b> Environmental Science 4999E</li> <li>• <b>0.5 course</b> from: Environmental Science 4949F/G, Biology 4230A/B, 4243G, 4405F/G, Earth Sciences 4431A/B.</li> <li>• <b>1.0 additional courses</b> at the 3000 level or above from the 'Environmental Science Course List'</li> <li>• <b>6.0 option courses</b> (5.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 3.5 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a category B course</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 14.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 7.5 courses are Science courses</li> </ul>

- For all modules no more than 7.0 first year courses will be counted towards degree, including advanced standing credits.
- 'Option courses' are courses that can be taken from any Faculty or Department as long as you have taken/have credit for the pre-requisite course and they meet your graduation requirements, as listed.

### College Program - Environmental Technology Advanced Diploma – 3 year

Common courses taken by students in all modules	Degree Program/ Module	Courses taken towards module or graduation requirements	Notes
<ul style="list-style-type: none"> <li>• <b>1.0 course</b> from: Calculus 1000A/B, or 1500A/B, 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B, Applied Mathematics 1201A/B, <b>must be completed during the first year of enrollment</b></li> <li>• <b>0.5 course:</b> Chemistry 2210A/B.</li> <li>• <b>0.5 course</b> from: Biology 2244A/B, Statistical Sciences 2141A/B, 2143A/B, 2244A/B, Psychology 2810 (Module will be 8.0 courses if Psychology 2810 is taken).</li> <li>• <b>0.5 course:</b> a Geography half-course from the Environmental Science Course List.</li> <li>• <b>0.5 course</b> at the 2000-level from Earth Sciences courses in the Environmental Physical Sciences Subject Courses List.</li> <li>• <b>1.0 course:</b> Environmental Science 3300F/G, 3350F/G.</li> </ul>	<p>B.Sc. Environmental Science Major – 3 year degree</p>	<ul style="list-style-type: none"> <li>• <b>0.5 additional courses</b> from the 'Environmental Science Course List' from the life science group</li> <li>• <b>3.0 option courses</b> (2.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 0.5 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a category B course</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 7.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 4.0 courses are Science courses</li> </ul>
	<p>B.Sc. Environmental Science Major – 4 year</p>	<ul style="list-style-type: none"> <li>• <b>0.5 additional courses</b> from the 'Environmental Science Course List' from the life science group</li> <li>• <b>8.0 option courses</b> (7.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 6.0 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a category B course</li> <li>• Environmental Science 4970F/G may be taken as an option but will not be counted towards module requirements</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 12.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 7.0 courses are Science courses</li> </ul>
	<p>B.Sc. Environmental Science Specialization – 4 year</p>	<ul style="list-style-type: none"> <li>• <b>0.5 course from:</b> Environmental Science 4949F/G, Biology 4230A/B, 4243G, 4405F/G, Earth Sciences 4431A/B.</li> <li>• <b>0.5 additional courses</b> from the 'Environmental Science Course List' from the life science group</li> <li>• <b>2.5 additional courses</b> at the 3000 level</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 12.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 7.0 courses are Science courses</li> </ul>

		<p>or above from Environmental Science 4970F/G or the 'Environmental Science Course List'.</p> <ul style="list-style-type: none"> <li>• <b>5.0 option courses</b> (4.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 2.5 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a category B course</li> </ul>	
	<p>B.Sc. Environmental Science Honors Specialization – 4 year</p>	<ul style="list-style-type: none"> <li>• <b>1.5 course:</b> Environmental Science 4999E</li> <li>• <b>0.5 course</b> from: Environmental Science 4949F/G, Biology 4230A/B, 4243G, 4405F/G, Earth Sciences 4431A/B.</li> <li>• <b>0.5 additional course</b> from the 'Environmental Science Course List' from the life science group</li> <li>• <b>1.0 additional courses</b> at the 3000 level or above from the 'Environmental Science Course List'</li> <li>• <b>5.0 option courses</b> (4.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 2.5 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a category B course</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 12.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 7.0 courses are Science courses</li> </ul>

- For all modules no more than 7.0 first year courses will be counted towards degree, including advanced standing credits.
- 'Option courses' are courses that can be taken from any Faculty or Department as long as you have taken/have credit for the pre-requisite course and they meet your graduation requirements, as listed.