

Sample BIESP progression meeting all graduation requirements

**Chemistry and Toxicology theme (non-co-op)**

Year	Semester	Course Code	Credit Weight	Title	Type	RE Group	List
1	Fall 1	ENVS*1040	1.0	Natural History of the Great Lakes Region	Required		
1	Fall 1	IES*1010	0.5	Introduction to Indigenous Environmental Science and Practice	Required		
1	Fall 1	INDG*1100	0.5	Indigenous Language and Culture	Required		
1	Fall 1	MATH*1080	0.5	Calculus I	Required		
		<b>Total Credits</b>	<b>2.5</b>				
1	Winter 2	ACCT*1220	0.5	Introduction to Financial Accounting	Required		
1	Winter 2	BIOL*1070	0.5	Discovering Biodiversity	Required		
1	Winter 2	IES*1020	0.5	Indigenous Knowledge for Environmental Science and Practice	Required		
1	Winter 2	CHEM*1040	0.5	General Chemistry I	Required		
1	Winter 2	Free elective	0.5	Free elective	Free elective		
		<b>Total Credits</b>	<b>2.5</b>				
2	Fall 3	BIOL*2060	0.5	Ecology	Required		
2	Fall 3	IES*2010	0.5	Land-based Teachings for Environmental Science and Practice	Required		
2	Fall 3	STAT*2040	0.5	Statistics I	Required		
2	Fall 3	<b>ENVS*2060</b>	0.5	<b>Soil Science</b>	Restricted elective	2	G
2	Fall 3	<b>CHEM*1050</b>	0.5	<b>General Chemistry II</b>	Restricted elective	2	E

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		<b>Total Credits</b>	<b>2.5</b>				
2	Winter 4	GEOG*2210	0.5	Environment and Resources	Required		
2	Winter 4	GEOG*2480	0.5	Mapping and GIS	Required		
2	Winter 4	One of: HIST*2090	0.5	Indigenous Peoples of the Americas	Required		
2	Winter 4	ANTH*2660		Contemporary Indigenous Peoples in Canada	(Required as one of)		
2	Winter 4	<b>ENVS*3310</b>	0.5	<b>Soil Biodiversity and Ecosystem Function</b>	Restricted elective	2	D
2	Winter 4	Free elective	0.5	Free elective	Free elective		
		<b>Total Credits</b>	<b>2.5</b>				
3	Fall 5	ANTH*3650	0.5	The Anthropology of Indigenous Peoples Before Canada	Required		
3	Fall 5	IES*3020	0.5	Right Relations: Reconciliation, Decolonization, & the Environment.	Required		
3	Fall 5	POLS*3340	0.5	Indigenous Politics in Canada	Required		
3	Fall 5	<b>BIOL*3450</b>	0.5	<b>Introduction to Aquatic Environments</b>	Restricted elective	2	E
3	Fall 5	<b>ENVS*3220</b>	0.5	<b>Terrestrial Chemistry</b>	Restricted elective	2	E
		<b>Total Credits</b>	<b>2.5</b>				
3	Winter 6	GEOG*3480	0.5	GIS and Spatial Analysis	Restricted elective	1	B
3	Winter 6	HROB*2090	0.5	Individuals and Groups in Organizations	Restricted elective	3	n/a
3	Winter 6	ACCT*2230	0.5	Management Accounting	Restricted elective	3	n/a
3	Winter 6	<b>CHEM*3360</b>	0.5	<b>Environmental Chemistry and Toxicology</b>	Restricted elective	2	E
3	Winter 6	Free elective	0.5	Free elective	Free elective		

		<b>Total Credits</b>	<b>2.5</b>				
4	Fall 7	GEOG*3210	0.5	Indigenous-Settler Relationships in Environmental Governance	Required		
4	Fall 7	IES*4000	0.5	Indigenous Environmental Science: Methodologies in Practice	Required		
4	Fall 7	<b>BIOL*4350</b>	0.5	<b>Limnology of Natural and Polluted Water</b>	Restricted elective	2	E 4000
4	Fall 7	<b>TOX*2000</b>	0.5	<b>Principles of Toxicology</b>	Restricted elective	2	E
4	Fall 7	Free elective	0.5	Free elective	Free elective		
		<b>Total Credits</b>	<b>2.5</b>				
4	Winter 8	IES*4010	0.5	Indigenous Environmental Science Project	Required		
4	Winter 8	IES*4020	0.5	Indigenous Environmental Science Capstone	Required		
4	Winter 8	<b>ENVS*4000</b>	0.5	<b>Toxicological Risk Assessment</b>	Restricted elective	2	E
4	Winter 8	GEOG*4480	1.0	Applied Geomatics	Restricted elective	1	B 4000
		<b>Total Credits</b>	<b>2.5</b>				
		<b>Total Credits for Degree</b>	<b>20.0</b>				
	<b>Rules:</b>						
		Total Required Course Credits	11				
		Total Restricted Electives Course Credits	7.0				
		Total Free Electives	2.0				

		Total credits required to be 3000 or higher, of which 2.00 must be 4000 level	6.0				
		Group 1	1.5	Min 2.00 from A and B, 0.5 must be 4000	1.5		
		Group 2	3.0	Min 3.00 from lists C,D,E,F,G, H. 0.5 must be 4000	4.5		
		Group 3	1.0		1.0		
		Additional RE from any group or other (if applicable)	1.5	Total restricted electives must be at least 7.5 credits	0		

Note for students in the BIESP Co-op program this thematic progression could be the same except for a few details, including:

- COOP\*1100 (0.0 credits) in fall semester 3.
- COOP\*1000 (0.5 credits) in the summer between winter semester 4 and fall semester 5.
- COOP\*2000, COOP\*3000, and COOP\*4000 (0.5 credits each) in summer, fall and winter following winter semester 6.
- Total credits for degree adjusted to 22.0 credits (to include the co-op semester credits).