

**Recommended Pattern of Study for BSc in Environmental Science offered by Environmental Science Programs**  
**For students admitted in 2016-17 and after**  
 (Last updated: 22 June 2017)

<b>ENVS Recommended Pathway</b>			<b>Note</b>	<b>Credits</b>
Year 1 Fall	CHEM 1014 or	Chemistry in Everyday Life or	S+R	3
	CHEM 1010 or	General Chemistry IA or		
	CHEM 1020	General Chemistry IB	S	3
	MATH 1013	Calculus IB		
	LIFS 1901	General Biology I	S+R	1
	CHEM 1050	Laboratory for General Chemistry I		
	LANG 1002	English for University Studies I	CC	3
	University Core	Common core course		
SCIE 1000	Science School Induction	S	0	
<b>Term Load</b>				<b>16</b>
Year 1 Spring	CHEM 1010 or	General Chemistry IA or	S+R	3
	CHEM 1030	General Chemistry II		
	PHYS 1001 or	Physics and the Modern Society or	S	3
	PHYS 1112	General Physics I with Calculus		
	LIFS 1902	General Biology II	S	3
	LANG 1003	English for University Studies II		
	COMP 1001 or	Exploring Multimedia and Internet Computing or	S	3
	COMP 1021 or	Introduction to Computer Science or		
	COMP 1022Q or	Introduction to Computing with Java or	S	0
	COMP 1022P	Introduction to Computing with Excel VBA		
HLTH 1010	Healthy Lifestyle	S	0	
<b>Term Load</b>				<b>15</b>
Year 2 Fall	ENVS 2001	Environmental Conservation and Sustainability in Practice	R	1
	LIFS 1030	Environmental Science	S+R	3
	PHYS 1003	Energy and Related Environmental Issues	S+R	3
	University Core	Common core course	CC	6
	Elective course to be offered	<b>2000-level:</b> LIFS 2060/ CHEM 2110/ CHEM 2210/ CHEM 2410 / MATH 2421	E	3
<b>Term Load</b>				<b>16</b>
Year 2 Spring	ENVS 2003	Introduction to Atmospheric Science	R	3
	CHEM 2311	Analytical Chemistry	R	3
	CHEM 2355	Analytical Chemistry Laboratory	R	1
	MATH 1014	Calculus II	S	3
	LANG 2010	English for Science I	S	3
	University Core	Common core course	CC	3
	<b>Term Load</b>			
Year 3 Fall	ENVS 2004	Introduction to Ocean Science	R	3
	ENVS 3001	Pollution Monitoring and Measurement	R	3
	LANG 3016	Laboratory Report Writing for Environmental Science Students	R	1
	ENVS 3005	Environmental Microbiology	R	3
	LIFS 3160	Ecology	R	3
	Elective course to be offered	<b>2000-level:</b> LIFS 2060/ CHEM 2110/ CHEM 2210/ CHEM 2410/ MATH 2421; <b>Or</b> <b>3000-level:</b> LIFS 3130/ LIFS 3330 (Lab of LIFS 3130)/ ENVR 3003/ ENVR 3110/ ENVR 3220	E	3
<b>Term Load</b>				<b>16</b>
Year 3 Spring	ENVS 3004	Global Climate Change	R	3
	LIFS 3150	Biostatistics	R	3
	University Core	Common core courses	CC	9
<b>Term Load</b>				<b>15</b>
Year 4 Fall	ENVS 4001	Environmental Impact and Risk Assessment	R	3
	ENVS 4974	Environmental Science Project Research I	R	3
	University Core	Common core course	CC	6
	Elective course to be offered	<b>3000-level:</b> LIFS 3130/ LIFS 3330 (Lab of LIFS 3130)/ ENVR 3003/ ENVR 3110/ ENVR 3220; <b>Or</b> <b>4000-level:</b> CHEM 4320/ CHEM 4350/ CHEM 4355	E	3
<b>Term Load</b>				<b>15</b>
Year 4 Spring	ENVS 4964 or	Environmental Science Capstone Project Research or	R	4 or 3
	ENVS 4984	Environmental Science Project Research II		
	LANG 4016	English for Environmental Science Capstone Project	R	2
	University Core	Common core courses	CC	3
Elective course to be offered	<b>3000-level:</b> LIFS 3060/ LIFS 3260 (Lab of LIFS 3060) <b>4000-level:</b> ENVS 4301/ ENVS 4905/ CENG 4710	E	3	
<b>Term Load</b>				<b>11 or 12</b>

Note:

"S" - SSCI school requirement

"R" - major required course

"E" - major elective course

"CC" - common core requirement (36 credits)

**Green highlights - elective courses**

Table was made according to the official pathway: [http://publish.ust.hk/prog\\_crs/ugprog/pathways.html](http://publish.ust.hk/prog_crs/ugprog/pathways.html)

Recommended pathway are for reference only and it may subject to change from semester to semester. Students are strongly advised to refer to the Program Catalog for the School requirement or Course Catalog to understand the most uploaded and detailed requirements.

