

Four-Year Study Plan of Environmental Science Programme (2020 cohort)

Rev 20230911

REV 2023/09/11

Course Code	Course Title	Year One			Year Two		Year Three		Year Four	
		Sem 1	Sem 2	Summer/ Winter	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2
I. Major Required Courses (48 Units)										
BIOL2043	Principles of Biology				3					
BIOL2053	Principles of Microbiology				3					
CHEM2023	Principles of Chemistry				3					
BIOL2023	Conservation Ecology					3				
CHEM3003	Principles of Biochemistry and Physiology					3				
ENV2003	Introduction to Environmental Science					3				
BIOL3003	Environmental Health and Toxicology						3			
BIOL3023	Biology and Chemistry Laboratory						3			
ENV3023	Environmental Chemistry and Pollution Control						3			
ENV3003	Resources and the Environment							3		
ENV3043	Environmental Study Laboratory							3		
ENV4023	Atmospheric Science and Pollution							3		
ENV4053	Water Science and Engineering							3		
ENV3013	Sustainable Environmental Management								3	
ENV4004	Final Year Project I (ENV)								3	
ENV4033	Land Contamination and Remediation									3
II. Major Elective Courses (12 Units)										
ME01 ME02 ME03 ME04							3	3	3	3
III. General Education Core Courses (32 Units)										
CHII053	University Chinese (Morality and Foundations of Law)	3								
CHII063	Chinese Culture and Modern China					3				
CHII073	Contemporary Chinese Society and Thoughts (Theories)		3							
CHII083	Contemporary Chinese Society and Thoughts (Social Practice)		0							
CHII093	Contemporary World and China ^⓪					0				
GCLA1903	English I	3								
GCLA1913	English II		3							
GCLA1923	English III				3					
GCLA1933	English IV					3				
GCIT1XX3	Information Management Technology ^⓪	3								
GCNU1XX3	Numeracy ^⓪		3							
GCPE1XX3	Physical Education ^⓪	1	1							
GCEM1013	Applied Ethics in Science and Technology				3					
IV. General Education Distribution Courses (12 Units)										
GDBM1XX3	Foundation Course in Business and Management ^⓪		3							
GDHS1XX3	Foundation Course in Humanities and Social Sciences ^⓪					3				
GDFL1XX3	Foundation Course in Foreign Language ^⓪	3								
GDHC1XX3	Foundation Course in World History and Civilisation ^⓪				3					
V. Whole Person Education Experiential Learning Modules (4 Units)										
WPEX Module I	WPEX1003 Experiential Development	1								
WPEX Module II	WPEX1013 Emotional Intelligence		1							
WPEX Module III	WPEX2003 Sports Culture ^⓪ , or WPEX2013 Experiential Arts ^⓪				1					
WPEX Module IV	WPEX2023 Voluntary Service ^⓪ , or WPEX2033 Environmental Awareness ^⓪					1				
VI. Free Elective Courses (24 Units)										
FE01 FE02 FE03 FE04 FE05 FE06 FE07 FE08		3	3	3 ^⓪			6 ^⓪	3	6	
Total Units: 132		17	17	3	19	19	18	18	15	6

⓪ This denotes a course category in which a list of courses may be developed for students' selection. Students are expected to refer to the Online Course Selection System for courses available under each category.

⓪ This course will take the form of lecture series. Students are required to attend and submit notes for at least 10 lectures within their first two years of study.

⓪ CHI1103 Introduction to Modern Social Theories will be offered under this category.

⓪ Students should take one FE(ENG) course under this category.

ME Course List of ENVS (2020 cohort)

Rev 20230426

Course Code	Course Title	Units
<i>ME Courses offered by the Environmental Science Programme</i>		
BIOL2083	The Ecology and Bioconservation in China	3
BIOL3013	Introduction to Environmental Biotechnolog	3
BIOL4003	Biodiversity Conservation	3
BIOL4013	Applied Environmental Biotechnology	3
CHEM3013	Chemical Analysis	3
CHEM4003	Advanced Biochemistry and Laboratory	3
ENV1003	Climate Change	3
ENV1013	Introduction to Eco-Cities	3
ENV3033	Environmental Analysis and Monitoring	3
ENV3053	Environmental Nanotechnology	3
ENV3063	Introduction to Environmental Geology	3
ENV3073	Introduction to Geographic Information Systems for Environmental Management	3
ENV3083	Fundamentals of Biogeochemistry	3
ENV3093	Terrestrial and Aquatic Environments in China	3
ENV3103	Introduction to Environmental Engineering	3
ENV3113	China's Environmental Law and International Cooperation Policy	3
ENV3123	Introduction to Occupational Health and Safety	3
ENV3193	Carbon Technology and Renewable Energy	3
ENV4003	Green Business Management	3
ENV4005	Final Year Project II (ENV)*	3
ENV4013	Integrated Solid Waste Management	3
ENV4043	Selected Topics in Environmental Science	3
ENV4063	Introduction to ISO Generic Management Systems (ISO9001 & ISO14001) and Auditing	3
ENV4073	Internship in Environmental Science and Management	3
ENV4083	Advanced Geographic Information Systems for Sustainable Environment	3
PHYS2003	Principles of Physics	3
<i>ME Courses offered by the Division of Business and Management</i>		
ECON2003	Principles of Macroeconomics	3
ECON2013	Principles of Microeconomics	3
MHR3003	Human Resource Management	3

*Students who continue with the final year project in the second semester of Year 4 should, with the approval of the Programme, register ENV4005 Final Year Project II (ENV) as a major elective in that semester.