(For students admitted in 2012-13 under the 4-year degree)

BSc in Environmental Management and Technology

In addition to the requirements of their major programs, students are required to complete the University requirements for graduation. For details please refer to the respective section on this website.

Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 6 credits of these courses to count towards both Requirements.

Major Requirements

Fundamental Course(s)

			Credit(s)
COMP/ISOM		Note: COMP 1021 OR COMP 1022P OR COMP 1022Q OR ISOM 2010	3
COMP	1021	Introduction to Computer Science	3
COMP	1022P	Introduction to Computing with Java	3
COMP	1022Q	Introduction to Computing with Excel VBA	3
ISOM	2010	Introduction to Information Systems	3
LANG	2082	Communication for Environmental Management and Technology I	2
LANG	2083	Communication for Environmental Management and Technology II	2
MATH		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4
MATH	1003	Calculus and Linear Algebra	3
MATH	1013	Calculus I	3
MATH	1020	Accelerated Calculus	4
MATH	1023	Honors Calculus I	3

Required Course(s)

ENVR	2001	Academic and Professional Development I	1
ENVR	2010	Environmental Science Fundamentals	3
ENVR	3001	Academic and Professional Development II	1
ENVR	3110	Sustainable Development	3
ENVR	3210	Environmental Technology	3
ENVR	3220	Energy Resources and Usage	3
ENVR	3310	Green Business Strategy	3
ENVR	3410	Economics for Environmental Policy and Management	3
ENVR	3420	Environmental Law and Regulations	3
ENVR	4001	Academic and Professional Development III	1
ENVR	4320	Corporate Environmental Accounting and Reporting	3
ENVR	4980	Environmental Management and Technology Capstone Project I	3
ENVR	4990	Environmental Management and Technology Capstone Project II	3

CIVL	1170	Climate Change Risk, Mitigation and Adaptations	3
ECON		Note: ECON 2103 OR ECON 2113	3
ECON	2103	Principles of Microeconomics	3
ECON	2113	Microeconomics	3
FINA	2203	Fundamentals of Business Finance	3
ISOM/MATH		Note: ISOM 2500 OR MATH 2411	3-4
ISOM	2500	Business Statistics	3
MATH	2411	Applied Statistics	4
LANG	3081	Communication for Environmental Management and Technology III	2
MGMT	2110	Organizational Behavior	3

Elective(s)

EVMT		Environmental Management and Technology Electives (Courses from the specified elective list, of which at least 9 credits must be at 3000-level or above.)	12

ENVR Courses

ENVR	1010	Introduction to Environmental Microbiology	3
ENVR	1030	Environment and Health	3
ENVR	1040	The Environment and Society - A Comprehensive Perspective	3
ENVR	1050	The Sustainable Citizen	3
ENVR	1811	Environmental Management and Technology Study Trip I	1
ENVR	2020	Urban Air Pollution	3
ENVR	2811	Environmental Management and Technology Study Trip II	1
ENVR	2900	Internship/Service Learning	1
ENVR	3230	The Atmosphere-Ocean Environment	3
ENVR	4000	Special Topics in Environmental Studies	1-4
ENVR	4010	Independent Study in Environment Issues	1-4
ENVR	4220	Urban and Regional Planning	3
ENVR	4310	Green Innovation and Entrepreneurship	3
ENVR	4330	Environmental Geographical Information System	3

Environmental Science Courses

CHEM	1010	General Chemistry IA	3
CHEM	1020	General Chemistry IB	2
LIFS	1010	Appreciation of Biological Sciences	3
LIFS	2060	Biodiversity	3
LIFS	3160	Ecology	3

Environmental Control Courses

CENG	4720	Environmental Impact Assessment and Management Systems	3
CIVL	4430	Environmental Impact Assessment	3
CIVL	4470	Air Quality Control and Management	3
MECH	3901	Green Building Technology	3
MECH	4350	Indoor Air Quality in Buildings	3

Environmental Business Courses

ECON	2123	Macroeconomics	3
ISOM	2700	Operations Management	3
ISOM	4750	Business Project Management	3
MGMT	3120	Managerial Leadership	4
MGMT	3140	Negotiation	4
MGMT	4110	Business Ethics and Policy	4
MGMT	4220	Entrepreneurship and Small Business Studies	4

Social Science Courses

SOSC	1661	Contemporary Hong Kong: Government & Politics	3
SOSC	1840	Government, Law and Society in China	3
SOSC	1850	Understanding Society	3
SOSC	2140	Research Methods in the Social Sciences	3
SOSC	2170	Environment and Business	3
SOSC	2230	The Chinese Economy	3
SOSC	2780	Modernization and Social Change	3
SOSC	3110	Science and Technology in Hong Kong	3
SOSC	4290	China's Sustainable Development	3
SOSC	4600	Understanding Chinese Politics	3