(For students admitted in 2023-24 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.

Students may use no more than 6 credits earned from courses offered in self-paced online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

For students graduating with an additional major, they must take all the requirements specified for that major, within which they must complete at least 20 single-counted credits. These 20 credits cannot be used to fulfill any other requirements for graduation except for the 120-credit degree requirement.

Under the new 30-credit Common Core Program which is applicable to students admitted to the University in 2022-23 and thereafter, courses that have been counted towards Major Requirements are not allowed to be reused for fulfilment of the University Common Core Requirements. Students should look up the details of the Common Core Program including the general and School-/program-specific distributional requirements posted on the Common Core website where the link to it is available on this website.

Major Requirements

Fundamental Course(s)

				Credit(s) attained
COMP/ISOM			Note: COMP 1021 OR COMP 1022P OR ISOM 2010	3
	COMP	1021	Introduction to Computer Science	3
	COMP	1022P	Introduction to Computing with Java	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 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4
	MATH	1003	Calculus and Linear Algebra	3
	MATH	1012	Calculus IA	4
	MATH	1013	Calculus IB	3
	MATH	1020	Accelerated Calculus	4
	MATH	1023	Honors Calculus I	3

Required Course(s)

			Credit(s) attained
ENVR	1170	Science, Environment and Society - From Big Bang to Big Data	3
ENVR	2001	Academic and Professional Development I	1
ENVR	2010	Environmental Science Fundamentals	3

ENVR	2030	Material and Energy Balance for Environmental Management		3
ENVR	2090	Environmental Laboratory		2
ENVR	3001	Academic and Professional Development II		1
ENVR	3110	Life Cycle Assessment for Sustainable Development		3
ENVR	3210	Environmental Technology for Impact Assessment		3
ENVR	3220	Energy Sources 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	ESG Management and Reporting		3
ENVR	4980	Environmental Management and Technology Capstone Project I		3
ENVR	4990	Environmental Management and Technology Capstone Project II		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	2500	Business Statistics		3
LANG	3081	Communication for Environmental Management and Technology III		2
MGMT	2110	Organizational Behavior		3

Elective(s)

			Minimum credit(s) required
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		All ENVR elective courses	

Environmental Science Courses

CHEM	1008	Introductory Chemistry	3
CHEM	1020	General Chemistry I	3
LIFS	1010	Introduction to Biological Sciences	3
LIFS	2060	Biodiversity	3
OCES	3160	Ecology	3

Environmental Control Courses

CENG	4720	Environmental Impact Assessment and Management Systems	3
CIVL	4430	Environmental Impact Assessment	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	4220	Entrepreneurship and Innovation	4

Social Science Courses

SOSC	1850	Understanding Society	3
SOSC	2170**	Environment, Sustainability and Business: A Design Approach	3
SOSC	2780**	Modernization and Social Change	3
SOSC	3260	Sustainability Science: Policy Problems and Perspectives	3
SOSC	3540	Environmental Psychology	3
SOSC	4290	China's Sustainable Development	3

**Remarks on course(s):
- SOSC 2170: The course was last offered in 2018-19 and was deleted subsequently.
- SOSC 2780: The course was last offered in 2018-19 and was deleted subsequently.