

(For students admitted in 2024-25 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 <u>OR</u> COMP 1022P <u>OR</u> 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
MATH		Note: MATH 1003 <u>OR</u> MATH 1012 <u>OR</u> MATH 1013 <u>OR</u> MATH 1020 <u>OR</u> 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

Academy of Interdisciplinary Studies - BSc in Environmental Management and Technology

ENVR	2090	Environmental Laboratory	3
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
SUST	1000	Sustainability Fundamentals	3
ECON		Note: ECON 2103 <u>OR</u> 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
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	1011	General Chemistry A: Reactions, Thermodynamics, and Reaction Kinetics	3
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	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	4310	Energy System Modeling for Buildings and Cities	3
CIVL	4430	Environmental Impact Assessment	3
CIVL	4450	Carbon Footprint Analysis and Reduction	3

Academy of Interdisciplinary Studies - BSc in Environmental Management and Technology

CIVL	4640	Introduction to Smart City Economics	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	2250	Cognitive Psychology	3
SOSC	2980	Personality Psychology	3
SOSC	3250	Gender and Development	3
SOSC	3260**	Sustainability Science: Policy Problems and Perspectives	3
SOSC	3540	Environmental Psychology	3
SOSC	3880	Social Inequality and Social Mobility	3
SOSC	4290	China's Sustainable Development	3

****Remarks on course(s):**

- SOSC 3260: The course was last offered in 2019-20 and was deleted subsequently.