

(For students admitted in 2025-26 under the 4-year degree)

## Extended Major Program in Sustainability

Extended Major is an add-on element to enrich the existing majors. Students should declare this Extended Major Program in Sustainability (SUST) via the Opt-in Arrangement after they have been admitted to HKUST. Students who wish to withdraw from the Extended Major should apply before the last day of the add/drop period in the first regular term of their final year of study.

The Extended Major in Sustainability is available for combination with Science Major (BSc program in Ocean Science and Technology), Engineering Majors (Majors offered by Departments of CBE, CIVL, CSE, IEDA and MAE), Business Majors (BBA programs in Professional Accounting, Economics, Global Business, Information Systems, Management, Marketing, Operations Management; BSc programs in Economics and Finance, Quantitative Finance, and Risk Management and Business Intelligence), all majors offered by School of Humanities and Social Science and Academy of Interdisciplinary Studies (except BSc in Individualized Interdisciplinary Majors).

To graduate with an Extended Major, students must have enrolled in the Extended Major, complete a minimum of 24 credits and all of its requirements, as well as the requirements of the major program of study; and have attained an average grade point of at least 2.15 in courses taken within the Extended Major. All courses counted towards the Extended Major Requirements, as well as those used to fulfill the Major Requirements, will be included in the calculation of the Major Cumulative Grade Average (MCGA).

Students must take all the Extended Major requirement, within which they must complete at least 12 single-counted credits. These 12 credits cannot be used to fulfill any other requirements for graduation except for the 120-credit degree requirement. For credit transfer, students can transfer a maximum total of 6 credits to the Extended Major program.

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 School and/or Major Requirements are not allowed to be reused for fulfillment 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.

## Extended Major Requirements

### Required Course(s)

			Credit(s) attained
SUST	1000	Sustainability Fundamentals	3
EMIA	2010C	Cross-disciplinary Seminar: Sustainability	0
EMIA	2020	Cross-disciplinary Design Thinking	3
EMIA		Note: EMIA 4990 <u>OR</u> EMIA 4991	0-3
EMIA	4990	Interdisciplinary Capstone Design	0
EMIA	4991	Interdisciplinary Capstone Project	3
ENVR		Note: ENVR 3005 <u>OR</u> ENVR 4340	3
ENVR	3005	Environmental Risks: Principles and Practices	3
ENVR	4340	Social Sustainability: Risks and Challenges	3

## Elective(s)

			<b>Minimum credit(s) required</b>
SUST		SUST Electives [Courses from the specified elective list. Students may use at most one course from the same course groups of CENG 4720 / CIVL 4430 / ENVR 3210 / OCES 4203; CIVL 1190 / ENVR 1170 and COMP 1021 / COMP 1023 to count towards this elective requirement. (Students opting for EMIA 4990 are required to take a minimum of 15 credits; while those opting for EMIA 4991 a minimum of 12 credits.) Out of the electives taken, at least 6 credits should be at 3000-level or above.]	12-15
SUST	1001	Special Topics in Sustainability	1-4
SUST	2001	Special Topics in Sustainability	1-4
SUST	3001	Special Topics in Sustainability	1-4
SUST	4001	Special Topics in Sustainability	1-4
ENVR	1170	Science, Environment and Society - From Big Bang to Big Data	3
ENVR	2080	Circular Economy and Life Cycle Assessment	3
ENVR	3210	Environmental Technology for Impact Assessment	3
CENG	1700	Introduction to Environmental Engineering	3
CENG	4140	Energy Resources, Conversions and Technologies	3
CENG	4510	Nature Engineering and DNA Nanotechnology	3
CENG	4710	Environmental Control	3
CENG	4720	Environmental Impact Assessment and Management Systems	3
CHEM	4640	Chemistry for Advanced Solar Cell Technologies	3
CIVL	1140	Environment and Society: Sustainable Development Goals and Carbon Neutrality	3
CIVL	1180	Monitoring Changing Climate from Space	3
CIVL	1190	Climate Change, Big History and Sustainability	3
CIVL	1210	Fundamental of Green Buildings	3
CIVL	1220	Big Data for Smarter Cities	3
CIVL	2410	Environmental Assessment and Management	3
CIVL	4430	Environmental Impact Assessment	3
CIVL	4560	Urban Hydroclimate and the Built Environment	3
COMP	1021	Introduction to Computer Science	3
COMP	1023	Introduction to Python Programming	3
ECON	4454	Green Economy and Sustainability	4
ECON	4464	Urban and Environment Economics	4
ENEG	1700	Introduction to Energy and Environmental Engineering	3
ENEG	3110	Materials for Energy Technologies	3
ENEG	4320	Energy Storage Technology	3
FINA	4703	ESG Investing	3
HUMA	1622	Science, Technology and Society: Historical and Cultural Approaches	3
HUMA	2621	Culture and Environment	3
HUMA	2921	Ethical Theories and Contemporary Issues	3

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LIFS	2011	A Practicum on Wetland Conservation	3
LIFS	2060	Biodiversity	3
MARK	1220	Marketing and Society	3
MECH	1905	Buildings for Contemporary Living	3
MGMT	3160	Environmental Business Strategies	3
MGMT	3170	Managing CSR (Corporate Social Responsibility)	3
OCES	1010	Principles and Applications of Environmental Science	3
OCES	2004	Sustainable Ocean	3
OCES	2005	Coastal Marine Habitats	3
OCES	4203	Environmental Impact and Risk Assessment	3
OCES	4301	Environmental Conservation	3
PHYS	1003	Energy and Related Environmental Issues	3
PPOL	3210	Energy Policy	3
SOSC	1860	Population and Society	3
SOSC	2330	Environmental Politics and Policy	3
SOSC	3540	Environmental Psychology	3