Graduation Requirements for BES XDP – Cohort AY2024/2025 onwards (w.e.f. AY2024/2025 Semester 2)

Requirements		Units
CHS Common Curriculum Courses (including General Education)		40
- Asian Studies	- Artificial Intelligence	
- Humanities	- Communities and Engagement	
- Social Sciences	- Design Thinking	
- Scientific Inquiry I	- Scientific Inquiry II	
- Data Literacy	- Digital Literacy	
Integrated Core Courses - Pass 36 un		36
ENV1101 Environmental Studies: An International Studies	erdisciplinary Overview	4
ENV2102 Environmental Law		4
ENV2103 The Environment and Public Health		4
ENV2301 Methods and Techniques for Environmental Studies		4
ENV2302 Communications for Environm	ental Studies	4
Pass 2 of the following elective options:		
ENV3101 Environmental Challenges in A	Asia.	
ENV3104 Socio-Ecological Assessment	of Environmental Impacts	8
ENV3202A Environmental Studies Internship Programme		
ENV3206 Evaluating Environmental Sus		
	JROPES(ENV3288/R) – Refer to *Note 1	
	Studies (or another interdisciplinary field	4
course by approval) – Refer to *Note 2		
ENV4101 Environmental Management in		4
Common Core Courses - Pass 52 uni		52
GE2103 Our Planet: An Earth System So		4
LSM3257 Applied Data Analysis in Ecolo Pass 4 Life Sciences LSM elective cou		4
courses from the respective lists belo - 1 LSM22xx - 2 LSM32xx - 1 LSM42xx - 1 GE2xxx - 2 GE3xxx - 1 GE4xxx		32
Up to one LSM or GE course (of any leve	el) can be fulfilled with an exchange	
enrichment course ENV2991/3991/4991		
LSM2251 Ecology and Environment	GE2101 Methods and Practices in Geography	
LSM2252 Biodiversity	GE2102 Politics, Economies And Space	
	GE2215 Introduction to GIS	1
	GE2231 Living Space: Introducing	
	Social and Cultural Geography	
LSM3252 Evolution and Comparative Genomics	GE3226 Tourism Development	
LSM3254 Ecology of Aquatic Environments	GE3231 Natural Hazards	
LSM3255 Ecology of Terrestrial Environments	GE3238 GIS Design and Practices	
LSM3256 Tropical Horticulture	GE3240 Geographical Research: Developing Ideas (*compulsory if taking GE4401)	
LSM3258 Comparative Botany	GE3250 Nature and Society	

Requirements		Units
LSM3259 Fungal Biology	GE3251 Southeast Asia	Ullits
LSM3265 Entomology	GE3251 Southeast Asia GE3253 Weather and Climate	1
		1
LSM3266 Avian Biology and Evolution	GE3254 Energy Futures: Environment and Sustainability	
Evolution		1
LSM3267 Behavioural Biology	GE3255 Aquatic, Riparian and	
	Coastal Systems	1
	GE3256 Earth Surface Processes,	
	Landforms and Ecosystems	-
	GE3259 Applied Geographical Data Science	
LSM4251 Plant Growth and		
Development	GE4207 Coastal Management	
LSM4254 Principles of Taxonomy	GE4211 Advanced Hydrology and	-
and Systematics	Water Resources Management	
LSM4255 Methods in Mathematical	_	
Biology	GE4212 Environmental Modelling	
<u> </u>	GE4214 Remote Sensing of	
LSM4256 Evolution of Development	Environment	
LSM4257 Aquatic Vertebrate	GE4218 Interpreting Tourism Spaces	
Diversity	and Cultures	
L CM40C4 Marina Biology	GE4219 Development and	
LSM4261 Marine Biology	Environment in Southeast Asia	
LSM4262 Tropical Conservation	GE4220 Field Investigation in	
Biology	Physical Geography	
LSM4263 Field Studies in	GE4221 Field Investigation in Human	
Biodiversity	Geography	
LSM4264 Freshwater Biology	GE4222 Advanced Geomorphology	
LSM4266 Aquatic Invertebrate	GE4224 Conservation Biogeography	
Diversity		
LSM4267 Light & Vision in Animal	GE4227 Climate Change: Processes,	
Communication	Impact and Responses	
LSM4268 Environmental Bioacoustics	GE4232 Global Political Ecologies	
	GE4233 Geography in the	1
	Contemporary World	
	GE4234 Environmental Changes in	
	the Tropics	
	GE4235 Urban Climates	
	GE4237 Environmental Pollution	
	GE4239 Coastal Dynamics	
	GE4240 Spatial Decision-Making	
	GE4241 Spatial Health	
Pass 8 units of Compulsory Level 40	00:	
- LSM4288E Research Project in Life Sciences (Ecology, Evolution and		
Biodiversity); OR		8
- GE4401 Honours Thesis; OR		~
- 8 units of Level 4000 Common Core Courses of LSM42xx and/or GE4xxx		
elective courses listed above.		1.
Pass 1 ENV-Recognised Course – Re	eter to *Note 4	4
Unrestricted Electives		32
Total Units for Graduation Requirement	ents	160

*Note 1: For UROP(GE3551)/UROPS(LSM3288/R)/UROPES(ENV3288/R) - only 4 units of these undergraduate research project options can be counted towards the Integrated Core Courses.

*Note 2: An alternative field course can be substituted on approval. An appropriate substitution for the field course would need to be at least 10 days in length, pitched at Level 2000, 3000 or 4000, be themed around environmental issues, and be multidisciplinary or interdisciplinary in content. Field course done during a study abroad segment, if appropriate, can be considered.

The following courses are approved as appropriate substitutes by default:

GEN2007 Resilience in Restoration

GE3230A Field Studies in Southeast Asia – this course weighs 8 Units, wherein 4 Units will be counted towards the Integrated Core Courses as a substitute for ENV3102, and the remaining 4 Units will count towards the Common Core GE Level 3000

GE4221 Field Investigation in Human Geography

GE4220 Field Investigation in Physical Geography

Admission into GE3230A, GE4221, and GE4220 will be approved by the course coordinator and is dependent on the number of vacancies in the course.

*Note 3: Students going on study abroad programmes may map their partner university courses to the ENV exchange enrichment course codes ENV2991, ENV3991, and ENV4991. A maximum of two exchange enrichment courses can be counted towards BES Major requirements:

- One can be counted towards the Common Core elective options, replacing a LSM or GE course of any level.
- One can be counted towards the ENV-Recognised Course.

Any others will be counted as Unrestricted Electives. A course code can only be used once.

*Note 4: Below lists the acceptable ENV-Recognised Courses.

List of ENV-Recognised Courses

AN2203 Peoples and Cultures of Southeast Asia		
AN2206 Humans and Natures		
EC2383 Environmental Economics		
ESE2000 Chemistry for an Environmentally Sustainable Future		
ESE3101 Resource Management and Circular Economy		
ESE3201 Air Quality in Changing Environments		
ESE3301 Microbiology in Natural and Built Environments		
GEN2004 Green Communities in Action: Climate, Species, Crisis		
GL3203 Global Socio-environmental Entanglements		
HY2235 Environmental History		
JS2234 Japan: The Green Nation?		
LAD2004 Planting Design and Horticulture		
LAD3006 Basics of Ecology		
PC3442 Weather and Climate Fundamentals		
PH2216 Environmental Philosophy		
PH2226 Concept of Nature in Inquiry		
PF3504 Sustainable Energy Management		

PS3274 Environmental Politics	
RE2701 Urban Planning	
RE3901 Advanced Urban Planning	
SC3212 Southeast Asia in a Globalizing World	
ENV2991 Exchange Enrichment Course	
ENV3991 Exchange Enrichment Course	
ENV4991 Exchange Enrichment Course	