

EVE-2023-ASI

CITY UNIVERSITY OF HONG KONG School of Energy and Environment

List of 2 School-specified courses:
(1) CA1167 Engineering Communication
(2) SEE3002 Energy and Environmental Economics

Bachelor of Engineering in Environmental Science and Engineering Recommended Study Plan (for 2023 cohort with Advanced Standing I)

YEAR 2

<u>Semester A</u>		<u>CU</u> s	<u>Semester B</u>		<u>CU</u> s
SEE2000	Professional Development I	0	CA1167	Engineering Communication	3
SEE2002	Chemical Sciences for Energy and Environmental Engineers	4	CHEM2004	Principles of Analytical Chemistry	4
SEE2003	Introduction to Energy and Environmental Data Analysis	3	MA2181	Mathematical Methods for Engineering	3
SEE2203	Environmental, Safety, and Occupational Health Management	3	SEE2101	Engineering Thermofluids I	3
SEE2204	Principles of Sustainability	3	SEE2201	Fundamentals of Environmental Engineering	3
GE1401	University English	3	GE2410	English for Engineering	3
		Total: 16			Total: 19

YEAR 3

<u>Semester A</u>		<u>CU</u> s	<u>Semester B</u>		<u>CU</u> s
SEE3002	Energy and Environmental Economics	3	SEE3003	Climate Change and Adaptation Strategies	3
SEE3101	Engineering Thermofluids II	4	SEE3203	Air Pollution	3
SEE4218	Water and Water Resource Engineering	3	SEE4001	Engineers in Society	1
SYE4024	Project Management	3	SEE4204	Environmental Systems Modelling	3
GE1501	Chinese Civilisation - History and Philosophy	3	SEE4217	Waste and Wastewater Treatment Engineering	3
		Total: 16	GE Course (Distributional Requirements)		3
					Total: 16

YEAR 4

<u>Semester A</u>		<u>CU</u> s	<u>Semester B</u>		<u>CU</u> s
SEE4002	Environmental Engineering Laboratory	3	SEE4004	Environmental Impact Assessment for Sustainable Development	4
SEE4996	Final Year Project	3	SEE4203	Advanced Treatment and Management of Solid and Municipal Waste	3
Major Electives x 2		6 - 8	SEE4996	Final Year Project	3
GE Course (Distributional Requirements)		3	Major Elective		3 - 4
		Total: 15 - 17			Total: 13 - 14

IMPORTANT NOTES re. SEE2000 Professional Development I and SEE4000 Professional Development II:

By the time SEE students graduate, they must have successfully completed *SEE2000 Professional Development I* and *SEE4000 Professional Development II*, namely **8-hour Career Training Workshops arranged by SEE** plus **160-hour Professional Development experience recognized by SEE**. For details, please refer to the School website at <https://www.cityu.edu.hk/see> >> Programmes >> Undergraduate Programmes.

EVE-2023-ASI-BSS

CITY UNIVERSITY OF HONG KONG School of Energy and Environment

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(2) SEE3002 Energy and Environmental Economics

Bachelor of Engineering in Environmental Science and Engineering Recommended Study Plan (for 2023 cohort with Advanced Standing I taking BSS discipline)

YEAR 2

Semester A		CU _s	Semester B		CU _s
SEE2000	Professional Development I	0	CA1167	Engineering Communication	3
SEE2001	Electromagnetic Principles for Energy Engineers	3	CHEM2004	Principles of Analytical Chemistry	4
SEE2002	Chemical Sciences for Energy and Environmental Engineers	4	MA2181	Mathematical Methods for Engineering	3
SEE2003	Introduction to Energy and Environmental Data Analysis	3	SEE2101	Engineering Thermofluids I	3
SEE2203	Environmental, Safety, and Occupational Health Management	3	SEE2201	Fundamentals of Environmental Engineering	3
SEE2204	Principles of Sustainability	3	GE2410	English for Engineering	3
GE1401	University English	3			
		Total: 19			Total: 19

YEAR 3

Semester A		CU _s	Semester B		CU _s
CA3712	Electrical Services	3	SEE3003	Climate Change and Adaptation Strategies	3
CA3732	Fire Engineering and Piped Services	3	SEE3203	Air Pollution	3
SEE3002	Energy and Environmental Economics	3	SEE4001	Engineers in Society	1
SEE3101	Engineering Thermofluids II	4	SEE4204	Environmental Systems Modelling	3
SEE3103	Energy Efficiency for Buildings	3	SEE4217	Waste and Wastewater Treatment Engineering	3
SEE4218	Water and Water Resource Engineering	3	Major Elective		3 - 4
GE1501	Chinese Civilisation - History and Philosophy	3	GE Course (Distributional Requirements)		3
		Total: 22			Total: 19 - 20

YEAR 4

Semester A		CU _s	Semester B		CU _s
CA3722	HVAC Engineering	3	CA4718	Power Electronics and Smart Lighting Controls	3
CA4737	Fire Science and Modelling	3	SEE4004	Environmental Impact Assessment for Sustainable Development	4
SEE4002	Environmental Engineering Laboratory	3	SEE4203	Advanced Treatment and Management of Solid and Municipal Waste	3
SEE4996	Final Year Project	3	SEE4996	Final Year Project	3
SYE4024	Project Management	3	Major Elective		3 - 4
Major Elective		3 - 4	GE Course (Distributional Requirements)		3
		Total: 18 - 19			Total: 19 - 20

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