

EVE-2021-4YR

CITY UNIVERSITY OF HONG KONG School of Energy and Environment

List of 3 School-specified courses:
(1) SEE1003 Introduction to Sustainable Energy and Environmental Engineering
(2) SEE3002 Energy and Environmental Economics
(3) MNE2016 Engineering Graphics

Bachelor of Engineering in Environmental Science and Engineering Recommended Study Plan (for 2021 cohort with normative 4-year degree)

YEAR 1

<u>Semester A</u>		<u>CUs</u>	<u>Semester B</u>		<u>CUs</u>
MA1200 / MA1300	Calculus and Basic Linear Algebra I / Enhanced Calculus and Linear Algebra I	3	MA1201 / MA1301	Calculus and Basic Linear Algebra II / Enhanced Calculus and Linear Algebra II	3
CHEM1200	Discovery in Biology	3	PHY1201	General Physics I	3
CHEM1300	Principles of General Chemistry	3	SEE1002	Introduction to Computing for Energy and Environment	3
GE1401	University English	3	SEE1003	Introduction to Sustainable Energy and Environmental Engineering	3
GE Courses (Distributional Requirements) x 2		3	GE2410	English for Engineering	3
		3	GE Course (Distributional Requirements)		3
Total: 18			Total: 18		

YEAR 2

<u>Semester A</u>		<u>CUs</u>	<u>Semester B</u>		<u>CUs</u>
MNE2016	Engineering Graphics	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
GE1501	Chinese Civilisation - History and Philosophy	3	SEE2204	Principles of Sustainability	3
Total: 16			Total: 16		

YEAR 3

<u>Semester A</u>		<u>CUs</u>	<u>Semester B</u>		<u>CUs</u>
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
SEEM4024	Project Management	3	SEE4204	Environmental Systems Modelling	3
			SEE4217	Waste and Wastewater Treatment Engineering	3
Total: 13			Total: 13		

YEAR 4

<u>Semester A</u>		<u>CUs</u>	<u>Semester B</u>		<u>CUs</u>
SEE4002	Environmental Engineering Laboratory	3	SEE4004	Environmental Impact Assessment for Sustainable Development	4
SEE4996	Final Year Project	3	SEE4996	Final Year Project	3
Major Electives x 2		6 - 8	Major Electives x 2		6 - 8
GE Course (Distributional Requirements)		3			
Total: 15 - 17			Total: 13 - 15		

EVE-2021-4YR-BSS

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(1) SEE1003 Introduction to Sustainable Energy and Environmental Engineering
(2) SEE3002 Energy and Environmental Economics
(3) MNE2016 Engineering Graphics

Bachelor of Engineering in Environmental Science and Engineering Recommended Study Plan (for 2021 cohort with normative 4-year degree taking BSS discipline)

YEAR 1

Semester A		CU	Semester B		CU
MA1200 / MA1300	Calculus and Basic Linear Algebra I / Enhanced Calculus and Linear Algebra I	3	MA1201 / MA1301	Calculus and Basic Linear Algebra II / Enhanced Calculus and Linear Algebra II	3
CHEM1200	Discovery in Biology	3	PHY1201	General Physics I	3
CHEM1300	Principles of General Chemistry	3	SEE1002	Introduction to Computing for Energy and Environment	3
GE1401	University English	3	SEE1003	Introduction to Sustainable Energy and Environmental Engineering	3
GE Courses (Distributional Requirements) x 2		3	GE2410	English for Engineering	3
		3	GE Course (Distributional Requirements)		3
Total: 18			Total: 18		

YEAR 2

Semester A		CU	Semester B		CU
MNE2016	Engineering Graphics	3	CHEM2004	Principles of Analytical Chemistry	4
SEE2001	Electromagnetic Principles for Energy Engineers	3	MA2181	Mathematical Methods for Engineering	3
SEE2002	Chemical Sciences for Energy and Environmental Engineers	4	SEE2101	Engineering Thermofluids I	3
SEE2003	Introduction to Energy and Environmental Data Analysis	3	SEE2201	Fundamentals of Environmental Engineering	3
SEE2203	Environmental, Safety, and Occupational Health Management	3	SEE2204	Principles of Sustainability	3
GE1501	Chinese Civilisation - History and Philosophy	3			
Total: 19			Total: 16		

YEAR 3

Semester A		CU	Semester B		CU
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
			GE Course (Distributional Requirements)		3
Total: 19			Total: 19 - 20		

YEAR 4

Semester A		CU	Semester B		CU
CA3722	HVAC Engineering	3	CA4718	Power Electronics and Lighting Controls	3
CA4737	Fire Science and Modelling	3	SEE4004	Environmental Impact Assessment for Sustainable Development	4
SEE4002	Environmental Engineering Laboratory	3	SEE4996	Final Year Project	3
SEE4996	Final Year Project	3	Major Electives x 2		6 - 8
SEEM4024	Project Management	3			
Major Elective		3 - 4			
Total: 18 - 19			Total: 16 - 18		