

CITY UNIVERSITY OF HONG KONG
School of Energy and Environment

Bachelor of Engineering in Energy Science and Engineering
Recommended Study Plan (for 2016 cohort with normative 4-year degree)

YEAR 1

<u>Semester A</u>	<u>CUs</u>	<u>Semester B</u>	<u>CUs</u>
MA1200 / Calculus and Basic Linear Algebra I /	3	MA1201 / Calculus and Basic Linear Algebra II /	3
MA1300 Enhanced Calculus and Linear Algebra I		MA1301 Enhanced Calculus and Linear Algebra II	
BCH1100 Chemistry	3	AP1201 General Physics I	3
GE1401 University English	3	BCH1200 Discovery in Biology	3
GE Courses (Distributional Requirements)	3	SEE1002 Introduction to Computing for Energy and Environment	3
	3	GE2401 / English for Science /	3
		GE2410 English for Engineering	
		GE Course (Distributional Requirements)	3
	Total: 15		Total: 18

YEAR 2

<u>Semester A</u>	<u>CUs</u>	<u>Semester B</u>	<u>CUs</u>
MA2172 Applied Statistics for Sciences and Engineering	3	MA2181 Mathematical Methods for Engineering	3
SEE2001 Electromagnetic Principles for Energy Engineers	3	SEE2101 Engineering Thermofluids I	3
SEE2002 Chemical Sciences for Energy Engineers	4	SEE2201 Fundamentals of Environmental Engineering	3
MBE2016 Engineering Graphics	3	GE1501 Chinese Civilisation - History and Philosophy	3
Non-GE Courses * ¹	3	GE Course (Distributional Requirements)	3
	Total: 16		Total: 15

YEAR 3

<u>Semester A</u>	<u>CUs</u>	<u>Semester B</u>	<u>CUs</u>
SEE3002 Energy and Environmental Economics	3	SEE3001 Energy and Environmental Policy	3
SEE3101 Engineering Thermofluids II	4	SEE3104 Sustainable and Renewable Energy	3
SEE3102 Power Plant Engineering	3	SEE4001 Engineers in Society	3
SEE3103 Energy Efficiency for Buildings	3	Major Electives	3
Non-GE Course * ¹	3		3
	Total: 16		Total: 15

YEAR 4

<u>Semester A</u>	<u>CUs</u>	<u>Semester B</u>	<u>CUs</u>
SEEM4024 Project Management	3	SEE4004 Environmental Impact Assessment for Sustainable Development	4
SEE4112 Sustainable Engineering Systems: Modelling and Analysis	3	SEE4217 Waste and Wastewater Treatment Engineering	3
SEE4997 Final Year Project	3	SEE4997 Final Year Project	3
Major Elective	3	Major Elective	3
	Total: 12		Total: 13

Remarks *¹: students are advised to take **SEE3201 Atmospheric Science – An Introductory Survey** and/or **SEE4202 Atmospheric Chemistry**, and some other courses listed in the page: <http://www6.cityu.edu.hk/see/shandbook.htm#ESE-CA>