ESE-2017-4YR

CITY UNIVERSITY OF HONG KONG
School of Energy and Environment

Bachelor of Engineering in Energy Science and Engineering
Recommended Study Plan (for 2017 cohort with normative 4-year degree)

List of 3 School-specified courses:
(1) SEE1003 Introduction to Sustainable Energy and Environmental Engineering
(2) SEE3002 Energy and Environmental Economics
(3) MBE2016 Engineering Graphics

YEAR 1

Semester A		CUs	Semester B		CUs
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
BCH1100	Chemistry	3	AP1201	General Physics I	3
BCH1200	Discovery in Biology	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		CUs	Semester B		CUs
MBE2016	Engineering Graphics	3	MA2181	Mathematical Methods for Engineering	3
SEE2001	Electromagnetic Principles for Energy Engineers	3	SEE2101	Engineering Thermofluids I	3
SEE2002	Chemical Sciences for Energy and Environmental Engineers	4	SEE2201	Fundamentals of Environmental Engineering	3
SEE2003	Introduction to Energy and Environmental Data Analysis	3	GE Course (Distributional Requirements)		3
GE1501	Chinese Civilisation - History and Philosophy	3			
		Total: **16**			Total: **12**

YEAR 3

Semester A		CUs	Semester B		CUs
SEE3002	Energy and Environmental Economics	3	SEE3001	Energy and Environmental Policy	3
SEE3101	Engineering Thermofluids II	4	SEE3003	Climate Change and Adaptation Strategies	3
SEE3102	Power Plant Engineering	3	SEE3104	Sustainable and Renewable Energy	3
SEE3103	Energy Efficiency for Buildings	3	SEE4001	Engineers in Society	1
SEEM4024	Project Management	3	SEE4217	Waste and Wastewater Treatment Engineering	3
		Total: **16**			Total: **13**

YEAR 4

Semester A		CUs	Semester B		CUs
SEE4003	Energy and Environmental Engineering Laboratory	3	SEE4004	Environmental Impact Assessment for Sustainable Development	4
SEE4112	Sustainable Engineering Systems: Modelling and Analysis	3	SEE4997	Final Year Project	3
SEE4997	Final Year Project	3	Major Electives x 2		3
Major Electives x 2		3			3
		3			
		Total: **15**			Total: **13**

Last modified: 6 Mar 2018