

CITY UNIVERSITY OF HONG KONG School of Energy and Environment

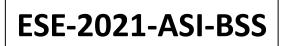
List of 2 School-specified courses: (1) MNE2016 Engineering Graphics (2) SEE3002 Energy and Environmental Economics

Bachelor of Engineering in Energy Science and Engineering Recommended Study Plan (for 2021 cohort with Advanced Standing I)

YEAR 2					
Semester A		<u>CUs</u>	Semester B		CUs
MNE2016	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
GE1501	Chinese Civilisation - History and Philosophy	3	GE2410	English for Engineering	3
GE1401	University English	3	GE Courses	(Distributional Requirements) x 2	3
					3
		Total: 16			Total: 18
YEAR 3					
Semester A		CUs	Semester B		<u>CUs</u>
ADSE4024	Project Management	3	SEE3001	Energy and Environmental Policy	3
SEE3002	Energy and Environmental Economics	3	SEE3003	Climate Change and Adaptation Strategies	3
SEE3101	Engineering Thermofluids II	4	SEE3104	Sustainable and Renewable Energy	3
SEE3102	Power Plant Engineering	3	SEE4001	Engineers in Society	1
SEE3103	Energy Efficiency for Buildings	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 Electi	ives x 2	3
Major Electives x 2		3			3
		3			
		Total: 15			Total: 13

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.



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Bachelor of Engineering in Energy Science and Engineering

Recommended Study Plan (for 2021 cohort with Advanced Standing I taking BSS discipline)

YEAR 2				
Semester A		CUs	Semester B	CUs
MNE2016	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
GE1501	Chinese Civilisation - History and Philosophy	3	GE2410 English for Engineering	3
GE1401	University English	3	GE Courses (Distributional Requirements) x 2	3
				3
		Total: 16		Total: 18
YEAR 3				
Semester A		CUs	Semester B	CUs
CA3712	Electrical Services	3	SEE3001 Energy and Environmental Policy	3
CA3732	Fire Engineering and Piped Services	3	SEE3003 Climate Change and Adaptation Strategies	3
SEE3002	Energy and Environmental Economics	3	SEE3104 Sustainable and Renewable Energy	3
SEE3101	Engineering Thermofluids II	4	SEE4001 Engineers in Society	1
SEE3102	Power Plant Engineering	3	SEE4217 Waste and Wastewater Treatment Engineering	3
SEE3103	Energy Efficiency for Buildings	3	Major Electives x 2	3
				3
		Total: <mark>19</mark>		Total: 19
YEAR 4				
Semester A		CUs	Semester B	CUs
ADSE4024	Project Management	3	CA4718 Power Electronics and Smart Lighting Controls	3
CA3722	HVAC Engineering	3	SEE4004 Environmental Impact Assessment for Sustainable Development	4
CA4737	Fire Science and Modeling	3	SEE4997 Final Year Project	3
SEE4003	Energy and Environmental Engineering Laboratory	3	Major Electives x 2	3
SEE4112	Sustainable Engineering Systems: Modelling and Analysis	3		3
SEE4997	Final Year Project	3		
	ř	Total: <mark>18</mark>		Total: 16

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