

# ESE-2021-ASI

## CITY UNIVERSITY OF HONG KONG School of Energy and Environment

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

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

#### YEAR 2

<u>Semester A</u>			<u>CUs</u>	<u>Semester B</u>			<u>CUs</u>
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
			Total: <b>16</b>				Total: <b>18</b>

#### YEAR 3

<u>Semester A</u>			<u>CUs</u>	<u>Semester B</u>			<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: <b>16</b>				Total: <b>13</b>

#### YEAR 4

<u>Semester A</u>			<u>CUs</u>	<u>Semester B</u>			<u>CUs</u>
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
			Total: <b>15</b>				Total: <b>13</b>

#### **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.

# ESE-2021-ASI-BSS

## 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 taking BSS discipline)

#### YEAR 2

Semester A	CUUs	Semester B	CUUs
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: <b>16</b>		Total: <b>18</b>	

#### YEAR 3

Semester A	CUUs	Semester B	CUUs
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: <b>19</b>		Total: <b>19</b>	

#### YEAR 4

Semester A	CUUs	Semester B	CUUs
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		
Total: <b>18</b>		Total: <b>16</b>	

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