

**ESE-2020-ASI****CITY UNIVERSITY OF HONG KONG  
School of Energy and Environment**

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

Bachelor of Engineering in Energy Science and Engineering  
Recommended Study Plan (for 2020 cohort with Advanced Standing I)

**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
					3
		<b>Total: 16</b>			<b>Total: 18</b>

**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	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
					3
		<b>Total: 16</b>			<b>Total: 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
		3			
		<b>Total: 15</b>			<b>Total: 13</b>

# ESE-2020-ASI-SemB(3Y)

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

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### Bachelor of Engineering in Energy Science and Engineering Recommended Study Plan (for 2020 cohort with Advanced Standing I)

				<b>YEAR 2</b>		
				<u>Semester B</u>		
				<u>CU</u> s		
				MA2181	Mathematical Methods for Engineering	3
				SEE2101	Engineering Thermofluids I	3
				SEE2201	Fundamentals of Environmental Engineering	3
				GE1501	Chinese Civilisation – History and Philosophy	3
				GE course (Distributional Requirements)		3
						<b>Total: 15</b>
<b>YEAR 3</b>				<u>Semester A</u>		<u>CU</u> s
SEE2001	Electromagnetic Principles for Energy Engineers	3	SEE3003	Climate Change and Adaptation Strategies	3	
SEE2002	Chemical Sciences for Energy and Environmental Engineers	4	SEE4001	Engineers in Society	1	
SEE3101	Engineering Thermofluids II	4	SEE4217	Waste and Wastewater Treatment Engineering	3	
SEE3103	Energy Efficiency for Buildings	3	GE2410	English for Engineering	3	
GE1401	University English	3	GE course (Distributional Requirements)		3	
					<b>Total: 13</b>	
<b>Total: 17</b>						
<b>YEAR 4</b>				<u>Semester A</u>		<u>CU</u> s
SEE3002	Energy and Environmental Economics	3	SEE3001	Energy and Environmental Policy	3	
SEE3102	Power Plant Engineering	3	SEE3104	Sustainable and Renewable Energy	3	
MNE2016	Engineering Graphics	3	SEE4004	Environmental Impact Assessment for Sustainable Development	4	
SEEM4024	Project Management	3	SEE4997	Final Year Project	3	
Major Elective		3	Major Elective		3	
					<b>Total: 16</b>	
<b>Total: 15</b>						
<b>YEAR 5</b>				<u>Semester B</u>		<u>CU</u> s
SEE4003	Energy and Environmental Engineering Laboratory	3				
SEE4112	Sustainable Engineering Systems: Modelling and Analysis	3				
SEE4997	Final Year Project	3				
Major Electives x 2		3				
					3	
<b>Total: 15</b>						

# ESE-2020-ASI-BSS

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

List of 2 School-specified courses:  
(1) SEE3002 Energy and Environmental Economics  
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### Bachelor of Engineering in Energy Science and Engineering Recommended Study Plan (for 2020 cohort with Advanced Standing I taking BSS discipline)

#### YEAR 2

Semester A		CU <sub>s</sub>	Semester B		CU <sub>s</sub>
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
		<b>Total: 16</b>			<b>Total: 18</b>

#### YEAR 3

Semester A		CU <sub>s</sub>	Semester B		CU <sub>s</sub>
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
		<b>Total: 19</b>			<b>Total: 19</b>

#### YEAR 4

Semester A		CU <sub>s</sub>	Semester B		CU <sub>s</sub>
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
SEE4003	Energy and Environmental Engineering Laboratory	3	SEE4997	Final Year Project	3
SEE4112	Sustainable Engineering Systems: Modelling and Analysis	3	Major Electives x 2		3
SEE4997	Final Year Project	3			3
SEEM4024	Project Management	3			
		<b>Total: 18</b>			<b>Total: 16</b>

# ESE-2020-ASI-SemB(3Y)-BSS

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## Bachelor of Engineering in Energy Science and Engineering Recommended Study Plan (for 2020 cohort with Advanced Standing I taking BSS discipline)

### YEAR 2

Semester B		CUUs
MA2181	Mathematical Methods for Engineering	3
SEE2101	Engineering Thermofluids I	3
SEE2201	Fundamentals of Environmental Engineering	3
GE1501	Chinese Civilisation – History and Philosophy	3
GE course (Distributional Requirements)		3
		<b>Total: 15</b>

### YEAR 3

Semester A		CUUs	Semester B		CUUs
CA3732	Fire Engineering and Piped Services	3	SEE3003	Climate Change and Adaptation Strategies	3
SEE2001	Electromagnetic Principles for Energy Engineers	3	SEE4001	Engineers in Society	1
SEE2002	Chemical Sciences for Energy and Environmental Engineers	4	SEE4217	Waste and Wastewater Treatment Engineering	3
SEE3101	Engineering Thermofluids II	4	GE2410	English for Engineering	3
SEE3103	Energy Efficiency for Buildings	3	GE course (Distributional Requirements)		3
GE1401	University English	3	Major Elective		3
<b>Total: 20</b>			<b>Total: 16</b>		

### YEAR 4

Semester A		CUUs	Semester B		CUUs
CA3712	Electrical Services	3	CA4718	Power Electronics and Lighting Controls	3
CA3722	HVAC Engineering	3	SEE3001	Energy and Environmental Policy	3
SEE3002	Energy and Environmental Economics	3	SEE3104	Sustainable and Renewable Energy	3
SEE3102	Power Plant Engineering	3	SEE4004	Environmental Impact Assessment for Sustainable Development	4
MNE2016	Engineering Graphics	3	SEE4997	Final Year Project	3
SEEM4024	Project Management	3	Major Elective		3
<b>Total: 18</b>			<b>Total: 19</b>		

### YEAR 5

Semester A		CUUs
CA4737	Fire Science and Modelling	3
SEE4003	Energy and Environmental Engineering Laboratory	3
SEE4112	Sustainable Engineering Systems: Modelling and Analysis	3
SEE4997	Final Year Project	3
Major Electives x 2		3
		3
		<b>Total: 18</b>