

Programme Requirements for Bachelor of Engineering with Honours in Building Services Engineering and Sustainable Development

This 3-credit-unit system programme requirements document is applicable to the
following student cohorts:

<i>Year of Entry</i>	<i>Admission cohort</i>
Year 1	2023/24 and thereafter
Year 2	2024/25 and thereafter
Year 3	2025/26 and thereafter

1. Programme Requirement – Year 1 Entry

1.1 To be eligible for the award of the degree of Bachelor of Engineering with Honours in Building Services Engineering and Sustainable Development through Year 1 Entry, a student shall:

1.1.1 obtain 120 credit-units as prescribed below, of which no more than 30 credit-units shall be at 1000-level, at least 24 credit-units shall be at 3000-level and at least 24 credit-units shall be at 4000-level:

1.1.1.1 99 credit-units of core courses applicable to Year 1 entry as listed in Table 1;

1.1.1.2 9 credit-units of University Core courses in Table 2;

1.1.1.3 6 credit-units of University English courses in Table 3;

1.1.1.4 6 credit-units of General Education (GE) courses (see www.hkmu.edu.hk/FT_GE for the updated list of GE courses)

and

1.1.2 attain the CGPA for graduation as prescribed in the Regulations for the award of undergraduate degrees.

2. Programme Requirement – Year 2 Entry

2.1 To be eligible for the award of the degree of Bachelor of Engineering with Honours in Building Services Engineering and Sustainable Development through Year 2 Entry, a student shall:

2.1.1 obtain 93 credit-units as prescribed below, of which at least 24 credit-units shall be at 3000-level and at least 24 credit-units shall be at 4000-level:

2.1.1.1 84 credit-units of core courses applicable to Year 2 entry as listed in Table 1;

2.1.1.2 9 credit-units of University Core courses in Table 2;

and

2.1.2 attain the CGPA for graduation as prescribed in the Regulations for the award of undergraduate degrees.

3. Programme Requirement – Year 3 Entry

3.1 To be eligible for the award of the degree of Bachelor of Engineering with Honours in Building Services Engineering and Sustainable Development through Year 3 Entry, a student shall:

3.1.1 obtain 66 credit-units as prescribed below, of which at least 24 credit-units shall be at 3000-level and at least 24 credit-units shall be at 4000-level:

3.1.1.1 57 credit-units of core courses applicable to Year 3 entry as listed in Table 1;

3.1.1.2 9 credit-units of University Core courses in Table 2;

and

3.1.2 attain the CGPA for graduation as prescribed in the Regulations for the award of undergraduate degrees.

Table 1: Core Courses

Course Code	Course Title	Credit-units	Year Entry		
			1	2	3
ENGG 1001SEF	Engineering Mechanics	3	✓		
ENGG 1011SEF	Workplace Safety and Health for Engineers	3	✓		
ENGG 2000SEF	Electrical Science and Energy Efficiency	3	✓	✓	
ENGG 2002SEF	Fluid Mechanics	3	✓	✓	
ENGG 2003SEF	Thermodynamics	3	✓	✓	
ENGG 2004SEF	Piped and Fire Services	3	✓	✓	
ENGG 2005SEF	Electrical Technology	3	✓	✓	
ENGG 2006SEF	HVAC	3	✓	✓	
ENGG 2060SEF	Introduction to Material Science	3	✓	✓	✓
ENGG 2091SEF	Guided Industrial Training for Building Services Engineering	3	✓	✓	
ENGG 3001SEF	Project Management for Engineering	3	✓	✓	✓
ENGG 3021SEF	Lighting Technology	3	✓	✓	✓
ENGG 3022SEF	Building Services Design Project	6	✓	✓	✓
ENGG 3092SEF	Industrial Placement for Building Services Engineering	3	✓	✓	✓
ENGG 4000SEF	Advanced HVAC&R Installation	3	✓	✓	✓
ENGG 4002SEF	Advanced Piped and Fire Services	3	✓	✓	✓
ENGG 4003SEF	Construction Information Technology	3	✓	✓	✓
ENGG 4004SEF	Commissioning of Facilities	3	✓	✓	✓
ENVR 4011SEF	Energy Resources and Sustainable Energy Strategies	3	✓	✓	✓
ENGG 4021SEF	Advanced Electrical Installation	3	✓	✓	✓
ENGG 4090SEF	Engineering Project	6	✓	✓	✓
ENVR 3008SEF	Design and Management for Green Buildings and Facilities	3	✓	✓	✓
ENVR 4028SEF	Advances in Environmental Impact Assessment	3	✓	✓	✓

Course Code	Course Title	Credit-units	Year Entry		
			1	2	3
MATH 1410SEF	Algebra and Calculus	3	✓		
MATH 2150SEF	Linear Algebra	3	✓	✓	
MATH 2850SEF	Multivariable Calculus	3	✓	✓	
STAT 1510SEF	Probability and Distributions	3	✓		
ST 1020SEF	Computer Applications for Control and Automation	3	✓		
TC 3030SEF	Physical & Mechanical Behaviour of Materials	3	✓	✓	✓
TC 4019SEF	Quality Management for Science and Technology	3	✓	✓	✓
TC 4020SEF	Professional Practice and Ethics	3	✓	✓	✓

Table 2: University Core Courses

Course Code	Course Title	Credit-units
UNI 1002ABW	University Core Values	2
UNI 1012ABW	Social Responsibilities	1
UNI 2002BEW	Effective Communication and Teamwork	3
UNI 3002BEW	Entrepreneurial Mindset and Leadership for Sustainability	3

Table 3: University English Courses

Course Code	Course Title	Credit-units
ENGL 1101AEF	University English: Reading and Writing	3
ENGL 1202EEF	University English: Listening and Speaking	3

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