

**Bachelor of Engineering (Honours) in Building Services Engineering, BEng-BSE**  
[Full-time: ST125103; Part-time: ST525103] 屋宇設備工程(榮譽)工學士

**Proposed Study Plan 01 (BEng-BSE Full-time Mode, Year 1 Entry 2016):**

(Update: 30 Apr 2019)

Year 1 Semester 1:

- GEC4201 English for Academic Studies 1
- GEC4301 The Human Spirit
- SBS4111 Calculus
- SBS4112 Engineering Physics
- SBS4113 Architecture & Buildings
- SBS4122 Engineering Drawing (2 credit units)

Year 1 Semester 2:

- GEC4101 Chinese 1
- SBS4114 Built Environment
- SBS4121 Fluid Mechanics
- SBS4123 Electrical Services Fundamental
- SBS4124 Engineering Thermodynamics

Year 1 Summer Semester:

- SBS4109 Safety, Health & Industrial Training

**AY 2016-2017**

Year 2 Semester 1:

- GEC5202 English for Academic Studies 2
- GEE???? Select one General Education Elective
- SBS4211 Heat & Mass Transfer
- SBS4212 Construction CAD by AutoCAD (1 credit unit)
- SBS5211 Advanced Engineering Mathematics
- SBS5212 Advanced Electrical Technology
- SBS5225 HVACR I

Year 2 Semester 2:

- GEC4302 Habit of Scientific Thinking
- GEE???? Select one General Education Elective
- SBS5221 Piped Services
- SBS5222 Indoor Environmental Engineering
- SBS5223 Power Distribution & Machines
- SBS5224 Engineering Management

**AY 2017-2018**

\* Students may start to do summer internship of the module SBS4309 Industrial Attachment in Year 2 Summer Semester.

Year 3 Semester 1:

- GEC4303 Social Dynamics of Organisations
- GEC5102 Chinese 2
- SBS5311 HVACR II
- SBS5312 Lighting Technology
- SBS5313 Fire Services
- SBS5322 Basics of Building Information Modelling

Year 3 Semester 2:

- GEC5206 English for Professional Purposes
- GEE???? Select one General Education Elective
- SBS5314 Commissioning of Facilities
- SBS5321 Numerical Method for Analysis
- SBS5411 Building Information Modelling for BSE

Year 3 Summer Semester:

- SBS4309 Industrial Attachment

**AY 2018-2019**

Year 4 Semester 1:

- GEE???? Select one General Education Elective
- **SBS5397 Final Year Project (BSE Conceptual Design)**
- SBS5412 Design for Operation & Maintenance
- SBS5413 Building Sustainability & Green Building Assessment
- --- Select one Programme Elective

Year 4 Semester 2:

- SBS5421 Building Energy Efficiency cum Carbon Emission
- **SBS5498 Final Year Project (Applied Research Project)**
- **SBS5499 Final Year Project (BSE Detailed Design)**
- --- Select one Programme Elective
- --- Select one Programme Elective

**AY 2019-2020**

# The GE Elective in Year 4 Semester 1 may be interchanged with the Programme Elective in Year 4 Semester 2.