

Technological and Higher Education  
Institute of Hong Kong  
香港高等教育科技学院

BEng(Hons) in Building Services Engineering  
(BEng-BSE)

屋宇设备工程（荣誉）工学士



Member of VTC Group  
VTC 機構成員

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BSE

<http://ibse.hk/>



# Tsing Yi Campus 青衣校園





# VTC Student Dormitory (Tsing Yi) 职业训练局学生宿舍（青衣）

880 beds with excellent student-enrichment facilities

880张床位，提供优质充实的学生设施

<http://dormitories.vtc.edu.hk/>





# Chai Wan Campus 柴湾校舍



# Programme Highlights : 课程特色

- **Professional-oriented degree programme with work-ready graduates** 以专业为导向的学位课程，旨在工作就绪的毕业生
- **Fine balance in theoretical and practical education** 理论与实践教育的良好平衡
- **Accredited by Hong Kong Council for Accreditation of Academic and Vocational Qualifications (HKCAAVQ) and Hong Kong Institution of Engineers (HKIE)** 获香港学术及职业资历评审局（HKCAAVQ）及香港工程师学会（HKIE）认可
- **Develop students with integrated concept of building sustainability through the life cycle of a building** 通过建筑的生命周期，培养学生的综合概念，建立可持续发展



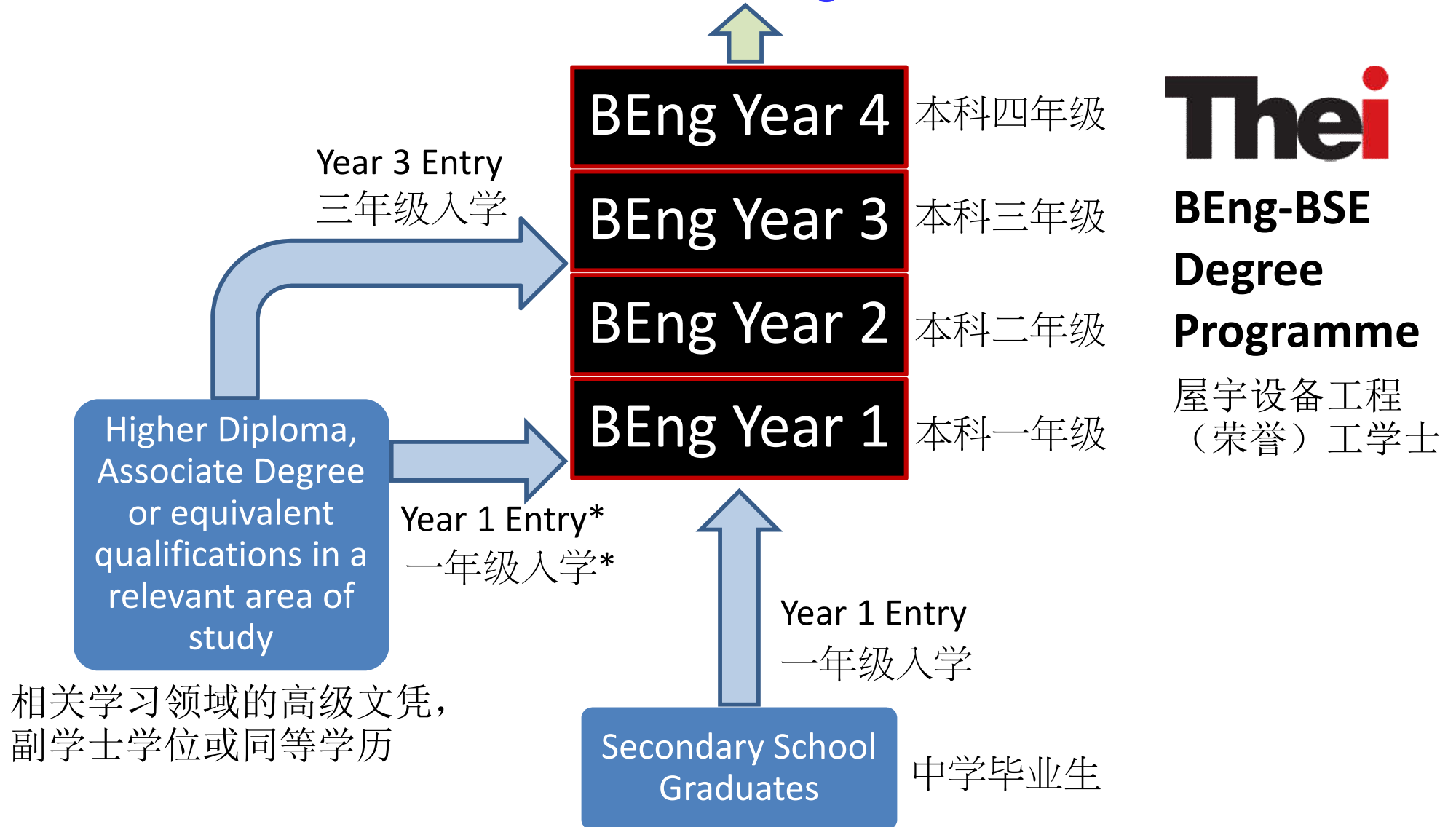
# Career Prospect: 职业前景

- Building services design consultants
  - Engineering contractors
  - Properties developer/management
  - Public utilities (e.g. CLP, MTR)
  - Government departments (e.g. EMSD)
  - Equipment supplier/manufacturer
  - Teachers/researchers
- 屋宇设备设计顾问
  - 工程承包商
  - 房地产开发商/管理
  - 公用事业（例如中电，港铁）
  - 政府部门（例如机电工程署）
  - 设备供应商/制造商
  - 教师/研究员



# Admission Process 入学程序

**Professional Engineer** 专业工程师



Remarks:

\* Candidates with appropriate qualifications can apply for advanced standing and credit transfer/module exemption (this may help reduce the total duration of study).

\* 具有适当资格的候选人可以申请学分转移/豁免 (这可有助减少学习的总时间)

# Programme Content and Structure 课程内容和结构

## General Education and Languages

- General Education Core and Elective Modules
- Chinese and English Modules

通识教育和语言

## Engineering Fundamentals

- Architecture & Buildings, Built Environment, Engg. Drawing
- Engg. Physics , Calculus , Advanced Engg. Mathematics
- Engg. Thermodynamics, Fluid Mechanics, Heat & Mass Transfer, Numerical Method for Analysis

工程基础

## Building Services Technology

- Electrical Services Fundamental, Advanced Electrical Technology, Power Distribution & Machines
- HVACR I, HVACR II, Indoor Environmental Engineering
- Piped Services, Fire Services, Lighting Technology

屋宇设备  
工程技术

## Pragmatic Application

- Construction CAD by AutoCAD, Basics of BIM, BIM for BSE
- Engineering Management, Commissioning of Facilities, Design for Operation & Maintenance
- Design Projects (Conceptual/Detail), Appl. Research Project
- Building Sustainability & Green Building Assessment, Building Energy Efficiency cum Carbon Emission
- + Programme Elective Modules, Work-Integrated Learning, Safety, Health & Training

务实的应用

Total 45 modules (132 institute credit units, 4 years) 共计45个模块（132个学分，4年）



# BSE Staff and Students 屋宇设备工程教职员和学生





# BSE Student Activities 屋宇设备工程学生活动



Technical visit to Smart Power Centre  
技术访问中电智惜用电中心



Technical visit to Trade & Industry Tower  
技术访问工业贸易大楼



Seminar by HKIE Past President Ir F C Chan  
香港工程师学会前任主席陳福祥博士、工程師研讨会



Singapore Study Tour 2017 新加坡游学之旅