PROGRAMME HIGHLIGHTS

• Our teaching staff have rich practical industrial experience and close connections with the industry, which help students to build professional and valuable networks;

• The curriculum provides graduates with the essential academic qualification to become a corporate member of the Hong Kong Institution of Engineers (HKIE) as well as a Registered Professional Engineer (RPE) in Hong Kong;

• Our students have 480-hour paid internship opportunity. The teaching staff also closely monitor the students’ progress and provide appropriate supervision for helping them to gain the most from the Work-integrated Learning;

• We are currently the only institution in Hong Kong to arrange comprehensive training (80 hours) of BIM technology;

• Our students will become skillful BIM professionals in meeting the needs of the industry, thereby enhancing their employability; and

• We provide a professional English enrichment course tailored to the building services engineering industry to help our students to improve their English language skills and to enhance their ability in passing the HKIE professional assessment in the future.
Industry Endorsement

“The programme produces high-calibre building services engineers with passion and dedication to tackle challenges for the smart and sustainable development of Hong Kong. The curriculum design of the programme has a strong vocationally-oriented basis. The graduates are well-equipped with both essential academic knowledge and practical engineering skills, including the BIM application. Without extra supervision, their self-initiative graduates can work independently and as a team member. In short, the graduates from THEi’s BEng-BSE are work-ready!”

Ir Victor CHEUNG
Past President
The Hong Kong Institution of Engineers (2014/15)
Director
J. Roger Preston Limited

Core Courses

- Heating, Ventilating, Air-Conditioning and Refrigeration (HVACR)
- Fire Services
- Piped Services
- Advanced Electrical Technology
- Industrial Attachment
- Building Information Modelling (BIM) for BSE
- Design for Operation and Maintenance
- Engineering Management
- Safety, Health and Industrial Training
- Final Year Project

Career Prospects

Graduates may pursue in the following careers:

- Assistant Project Engineers in Developers
- Graduate Engineers in BSE Consulting Firms
- Assistant Engineers in BSE Contractor Companies
- Facility Management Officers
- Technical Officers in Government
- Assistant Building Services Coordinators in Construction Firms
- Systems Engineers in BSE Supplier Companies
- Researcher Assistants in Education Institutes

Professional Recognition

The programme is accredited by the Hong Kong Institution of Engineers (HKIE), and accepted by the Electrical and Mechanical Department (EMSD) in satisfying the academic qualification requirement stipulated in Regulation 6(2)(a) of the Electricity (Registration) Regulations for the purpose of registration as Grade C electrical worker.

Supporting Industrial Partners

(In alphabetical order)

- AECOM Asia Company Limited
- ATAL Engineering Limited
- Buro Happold International (Hong Kong) Limited
- China State Construction Engineering (Hong Kong) Limited
- China State Construction International Holdings Limited
- Electrical and Mechanical Services Department (EMSD)
- FSE Engineering Group Limited
- Gammon Construction Limited
- Hip Hing Construction Company Limited
- Hsin Chong Aster Building Services Limited
- Jones Lang Lasalle Limited
- J. Roger Preston Limited
- Kai Shing Management Services Limited
- REC Engineering Company Limited
- Sanfield (Management) Limited
- Wong & Ouyang (Building Services) Limited
- WSP (Asia) Limited

Work-integrated Learning

Work-integrated Learning (WIL) modules are directed industry attachments that provide powerful learning experiences by integrating theoretical learning with its application in the workplace. Students are required to complete 480 hours of Work-integrated Learning to be eligible for the award of Bachelor of Engineering (Honours) in Building Services Engineering.

Graduate Endorsement

“THEi provided me a treasurable learning experience for my career development. Hard skills like fundamental BSE concepts and soft skills like coordination with construction teams enable me to perform duties in a more effective way now. Participation in student society and overseas trips also enhanced my problem-solving skills.”

Jerry WONG
2019 Graduate