



What did they Say?

- ✓ "Overall a great world recognized Department, filled with reputable BSE programmes, excellent professors, impressive graduates and amazing students. The Department has contributed so much to the industry ..."

-----By Ir Cary Chan, Executive Director
Hong Kong Green Building Council Limited

- ✓ "In the effort in pursuing academic excellence and in nurturing visionary Building Services professionals, the Department of Building Services Engineering is the best I have come across! The graduates of the Department rank amongst our best employees and occupy positions ranging from Graduate Engineers to Directors within my Company."

-----By Ir Thomas Chan Kwok Cheung
Senior Vice President 2016/2017, HKIE;
Director, Parsons Brinckerhoff (Asia) Limited

- ✓ "... charting the course for engineering graduates enriching career, paving the plinth for younger generation cultivating professionalism, ... and with heart and devotion"

-----By Ir Peter Wong
Past President, HKIE;
President-Elect 2016/2017, CIBSE UK

- ✓ "The Department of Building Services Engineering is one of the world's leading departments specializing in this branch of engineering..."

-----By Professor Arthur Dexter
Department of Engineering Science, University of Oxford UK
in his report as the Departmental Academic Advisor



Our Academic Leaders:

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THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學



Department of
Building Services Engineering

屋宇設備工程學系

Careers in Managing & Design
of Building Systems



- ✓ Building Environment
- ✓ Energy Systems
- ✓ Safety and Resilience

Department of Building Services Engineering
屋宇設備工程學系



Department of Building Services Engineering

The Department was established in 1981. It is now one of the largest departments exclusively devoted to building services engineering (BSE) education and research. The BSE Department has a **strong tradition of quality applied research and teaching excellence**. It draws its strength from close links with industry, government, professional bodies and collaborations with academic and research institutions in mainland China and overseas. All academic programmes are professionally accredited/ recognized.

The BSE Department has a multi-disciplinary focus with a broad range of expertise in building engineering systems, design and operation and facilities management. Our highly qualified academic staff specialize in sustainability aspects; heating, ventilation and air-conditioning systems; fire engineering; electrical installations; public health; indoor environmental engineering; architectural engineering; computer-aided design and facilities management.

The BSE Department places emphasis on developing personal skills on top of a broad engineering coverage. As a forward looking academic department we strive to:

Achieve International Recognition

As a high quality building services engineering provider, we contribute significantly to the art and science of building services engineering, particularly in Hong Kong and Mainland.

Offer Quality Academic & Research programmes,

and consultancy services, which disseminate state-of-the-art techniques to students, practicing professionals and industry.

Our Academic Programmes

The Department of Building Services Engineering is in a **strong position to meet future challenges** through a dedicated team of highly qualified and motivated professional staff.

Our Academic Programmes

- ✓ Are internationally recognized
- ✓ Are professionally accredited
- ✓ Are interesting and challenging
- ✓ Provide excellent employment prospects for graduates
- ✓ Provide an opportunity to acquire life long learning skills including communication, leadership and capability to be independent learners

Our Academic Programmes Provide

- ✓ 21st century relevance
- ✓ A stimulating learning environment
- ✓ A broad-based coverage of engineering & design
- ✓ Flexible study patterns under the credit-based system
- ✓ An opportunity to progress to graduate level and beyond

BSE Department In Numbers

- ✓ 1st BSE Academic Department in Hong Kong, established in 1981;
- ✓ 2 Times CIBSE Happold Brilliant International Awardee on excellent education in building services engineering;
- ✓ 7 Programmes to match your interests;
- ✓ 22nd in Architecture and Built Environment, QS World University Ranking by Subject 2020;
- ✓ 57 Full-time academics and researchers to build up the largest and strongest academic unit in Building Services Engineering worldwide;
- ✓ 182 Internship partners to provide summer trainings; and
- ✓ Over 10,000 graduates alumni to become the strongest industry network.

The Department of Building Services Engineering is consciously aware of the rapidly changing world. Today's engineering graduates need to be flexible, adaptable and able to respond to rapid change. Building Services Engineering is a broad-based engineering discipline that allows for flexibility in career choice, or future career specialization.

Opportunities for Your Career Development

Graduates from the Department can expect excellent career prospects in the construction, facilities management and BSE maintenance industry. The vast infrastructure of building assets in Hong Kong offer opportunities for exciting careers in the design, management and maintenance of a sustainable built environment. The rapidly expanding market in Mainland China is likely to add to the demand for graduates in building services engineering.

Potential Employers

- | | |
|----------------------------|--------------------------|
| ✓ Educational Institutions | ✓ Government |
| ✓ Facilities Management | ✓ Consultants |
| ✓ Contracting Firms | ✓ Builders |
| ✓ Developers | ✓ Public Utilities...etc |



**We Shape Tomorrow's Smart,
Comfortable, Safe and Healthy Buildings**