Associate of Science in Building Services Engineering
Graduates of this Programme have acquired basic theories and knowledge about building services engineering. They have integrated and applied this knowledge into final year design exercises and real-life projects, in which they work as members of an integrated team requiring use of problem-solving, co-ordination and communication skills. These exercises are designed in accordance with current regulations, codes of practices and standards.

All our students also possess the following skills:

Technical Skills — Through training in our Computer and Design Studios, they have developed good computer skills in AutoCAD, 3D animation and multi-media software for project presentation. Moreover, they can use computer-aided design software for building services design in the fields of building thermal load calculation, sizing of air ducts and water piping, lighting selection, design of lifts and lightning protection systems.

Language Skills — Training includes English Enhancement courses, English Communication Skills for Building, and Putonghua, helping students develop their written and oral language skills.

Integrative Skills — A virtual e-learning platform facilitates active learning and appreciation of design, installation, operation and maintenance of building services systems.

Students have been awarded various external scholarships including the first Hong Kong Institution of Engineers (HKIE) — Building Services Division Scholarship, Outstanding Award in Quality Student Project Campaign of ASHRAE HK Chapter, Chiap Hua Cheng's Foundation Scholarship and Li Po Chun Trust Fund Scholarship.
Comments from External Academic Advisors

**Professor Francis W H YIK**
Department of Building Services Engineering
Hong Kong Polytechnic University

"... examination papers were prepared professionally and represented a good coverage of the syllabus.

“The level of detail academic staff looked into while assessing examination scripts and project work was impressive. Decisions made in the Assessment Panel meeting were also fair. Discussions during the meeting on results of individual students reflected that academic staff maintained close monitoring of students’ progress and were thus able to make well-informed recommendations and sensible decisions."

**Professor W K CHOW**
Department of Building Services Engineering
Hong Kong Polytechnic University

"The quality of leadership provided by the Division through the programme leader was excellent. The management and operation of the assessment and examination were good. All the key and supplementary subjects were taught and well assessed by the lecturers concerned."

Comments from Judges of the BuiltExpo

**Members of Panel of Judges:**

**Ir K O YEUNG (Chairman)**
Director, Ove Arup & Partners Hong Kong Ltd.

**Ir Tony SW CHIU**
Assistant Vice President, Parsons Brinckerhoff (Asia) Ltd.

- The response of students in question-and-answer session was very good.
- Outstanding practical work with wide coverage of technical/design aspects; students demonstrated good team work and a serious attitude.
- Students were able to present innovative ideas and take an integrated approach.
Feedback from our Graduates

Ms Valerie WU
2002 graduate

“As a Year One student last year, I felt a real sense of belonging to the BST Division through participating in out-of-classroom activities. I also gained confidence and satisfaction serving the Division. Thanks for giving me precious experiences and helping me to be a more responsible, enthusiastic, helpful and organized professional.”

Articulation

The academic and professional standing of our graduates is confirmed by the numerous articulation opportunities provided to them. For those graduates who are strongly motivated to further their studies we have established links with a number of overseas universities. Some of our graduates have direct entry to their second year of study in some well-known universities. Others choose to complete their first degrees in Hong Kong in the top-up degree programmes offered by our University.

Professional Recognition

Graduates will fulfill the academic requirement for the Associate Membership of the Hong Kong Institution of Engineers.

Students answering questions from Hon. Dr. CHENG Hon Kwan, JP, Chairman of Housing Authority, during the Final Year Project Exhibition 2002

Students’ portfolio: Snapshot of a 3D Animation designed by a group of final year students.
Out-of-Classroom Activities

Industrial Attachment
Students are placed in real working environments, to understand the working world and their professions.

Study Tour
Students study the development of intelligent buildings, and appreciate the integration of building services and architectural design, including visits to Japan’s Gas Earth Port and Umeda Sky Building and UK’s energy-efficient buildings.

Student Branch of ASHRAE
The student branch was formed to provide a link to the professional institute in the advancement of the arts and sciences of heating, ventilation, air conditioning and refrigeration for the public’s benefit.

Outward Bound Training
Developing self-confidence, team spirit and problem solving skills under challenging conditions.

Site Visits
Exposure to intelligent building services and integration of building services systems.
- Students visiting the Intelligent House — UK Study Tour
- Students acting as mentors in the Student Orientation Camp
- AScBSE students undergoing Outward Bound Training
- Students visiting the BMS control room — Site Visit
- Students visiting the University of Nottingham — UK Study Tour
**Students Attending ICAC Talk 2002**

**Students with a Photo-Voltaic Sunlight Energy Collection Panel — U.K. Study Tour**

**Students at the China Town, London — U.K. Study Tour**

**Winners of BuiltExpo Final Year Project Competition**

**Students exhibiting their final year design projects**

**Students attending the Student Retreat**