Construction engineering concerns the planning and management of the construction of structures such as buildings, bridges, roads and tunnels, drainage systems and water supply systems. Construction of such projects requires knowledge of engineering and management principles and business procedures, economics, and human behavior.

Our construction engineering program aims at giving students the technical skills, intellectual inspiration and appreciation of human factors to meet the challenges facing modern-day construction engineers.
Government-Funded Programme

Associate of Science in
Construction Engineering and Management

What do you need to study?

Main Subject Areas

- Construction Technology
- Engineering Principles in Construction
- Mathematics, Computing and Information Technology
- Management Principles, Law and Economics
- Oral, Written and Graphical Communication Skills

Special Features

Out-of-Class Activities

- Visits to Construction Sites
- Industrial Training
- Executive mentoring scheme
- Summer Internship
- Further Study & Career Talks

There will be lots of out-of-class activities to enhance your learning.
Graduates of the programme will have the necessary technical and academic foundation to develop successful careers, in the private and public sectors, in a wide range of building construction, civil engineering and related fields. Graduates are also able to further study at local and overseas universities.

Professional Recognition
- Professional Membership of The Hong Kong Institution of Engineers
- Associate Membership of HKIE
- Incorporated Membership of CIOB
- Associate Membership of HKICM

Further Studies
- Local Bachelor Degree (Full-time) in Engineering at CityU, PolyU, UST, HKU
- Overseas Bachelor Degree (Full-time)

Career Prospects
- Graduate Engineer in Building Construction or Civil Engineering
- Career in Construction + Part-time Top-up Degree in Engineering or Construction Management

Associate of Science in Construction Engineering and Management

Routes to Associate / Corporate Membership through Professional Assessment of The Hong Kong Institution of Engineer shall be referred to the website of membership section http://www.hkie.org.hk
**Lee Kwan Ho, Alan**

2003 ASc CEM  
2004 BSc (Building Project management)  
2007 MSc (Construction Management)  
2014 Engineering Doctorate  
Deputy Construction Manager  
MHKIE

City University of Hong Kong (CityU) is my second home. Upon graduating from the Associate of Science in Construction Engineering and Management at CityU in 2003, I continued my full-time study at Northumbria University of Newcastle and obtained the Bachelor of Science (Hons) in Building Project Management in 2004. Since then I joined a contractor company as an assistant engineer in Hong Kong. At the same time, I carried on my postgraduate study at CityU and acquired a Master of Science in Construction Management in 2007 and a Engineering Doctorate in 2014.

My recognized academic qualifications plus extensive past working experiences have strengthened my competitiveness, and I was successfully qualified as a corporate member of the HKIE.

It is undeniable the solid foundation and all-round knowledge that the Construction Engineering and Management Programme provided at CityU is very practicable and desirable. Most importantly, professors & lecturers at CityU are always very supportive. I am so proud of being part of this family.

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**Wong Hoi Pan, Calvin**

2008 ASc CEM  
2011 BEng (Civil & Environmental Engineering)  
2012 MSc (Civil Infrastructural Engineering & Management)  
Assistant Resident Engineer, Jacobs China Limited

Studying the Associate of Science in Construction Engineering & Management at CityU was crucial to me as it was the starting point of becoming a professional engineer. After graduation, I continued my full time study at the HKUST and acquired a Bachelor of Engineering in Civil & Environmental Engineering in 2011. I then started my career in an engineering consultant firm, Jacobs China Limited, as a Graduate Engineer. In the next year, I also acquired a Master of Science in Civil Infrastructural Engineering & Management at the HKUST via part time study. During the first three years of my career, I involved in the detailed design of the MTR Kwun Tong Line Extension. I gained an excellent experience of designing 2.1km MTR running tunnels passing through Yau Ma Tei, King's Park and Ho Man Tin underneath a congested urban area using the drill & blast method. Recently, I successfully completed the HKIE Scheme "A" Training and I am preparing for the HKIE professional assessment to pursue the chartership for my career development. But no doubt, all experiences and achievements I gained were started from my studying in the Associate of Science degree programme in Construction Engineering & Management at CityU.

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**Chan Ka Yan, Joanna**

2012 ASc CEM  
BEng (Civil Engineering) (On-going)

After graduating from the Associate of Science in Construction Engineering and Management at the City University of Hong Kong in 2012, I am now having my full-time study in pursuing the Bachelor of Engineering in Civil Engineering at the University of Hong Kong. There is no denying that the ASc(CEM) programme did equip me with solid engineering knowledge and sense through the all-round practical courses. Apart from learning in the campus, we were also encouraged to join summer internship for gaining precious site experience. Moreover, it is such a big family that all the professors and lecturers are supportive and friendly to talk with. I am really proud of being part of the family and treasure the days I studied at CityU. I believe that solving challenging technical problems to improve a city's life quality is an engineer's destiny. To me, I am ready and eager to accept these challenges!