



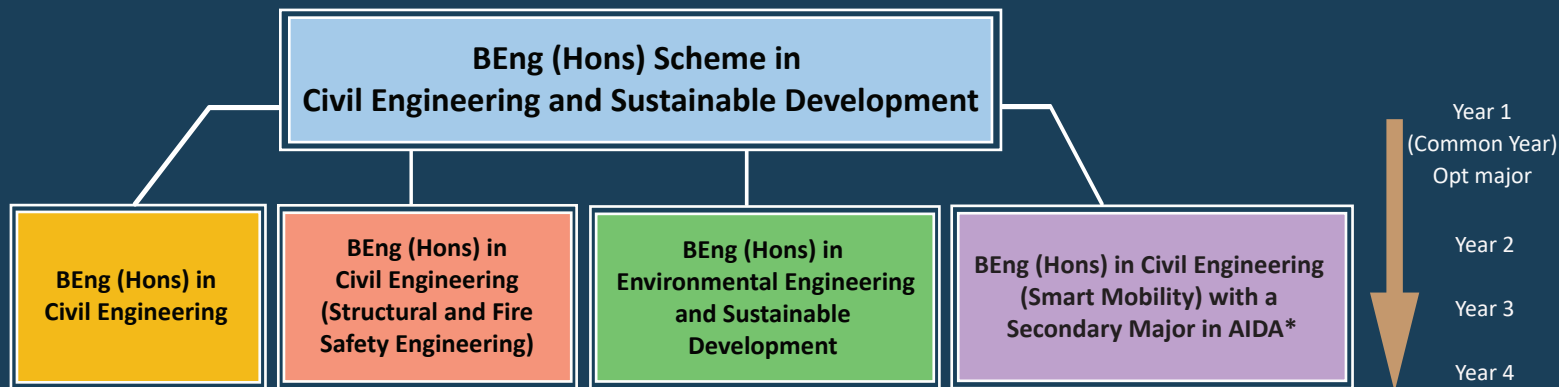
# BEng (Hons) Scheme in Civil Engineering and Sustainable Development

JUPAS Code: JS3120

This BEng (Hons) Scheme in Civil Engineering and Sustainable Development provides well-structured top-notch interdisciplinary education evenly balanced between the state-of-the-art knowledge as well as the highly in-demand skills that underpin modern civil engineering practice.

The Year 1 common curriculum offers a broad fundamental education integrates subjects across civil and environmental engineering disciplines, enabling students to make a genuinely informed choice about the major in which to specialise from their second year of study.

Depending on the chosen major, namely civil engineering, structural and fire safety engineering, and environmental engineering, graduates are eligible to join Scheme A training of the Hong Kong Institution of Engineers in the Civil, Structural, Geotechnical, Fire, Environmental, and Logistics & Transportation Engineering disciplines.



\*For admission details, please refer to <https://www51.polyu.edu.hk/eProspectus/ug/jupas/2023/js3120#Secondary-Major-Details>.

## Minimum Entrance Requirements

HKDSE Qualification

### General Entrance Requirements (332233):

Level 3: English Language and Chinese Language

Level 2: Mathematics and Liberal Studies

Level 3: Any two elective subjects

### Preferred elective subjects with the highest weighting:

- Mathematics (Extended part - Calculus and Statistics) or Mathematics (Extended part - Algebra and Calculus)
- Biology
- Chemistry
- Physics
- Combined Science: Biology + Chemistry
- Combined Science: Biology + Physics
- Combined Science: Physics + Chemistry
- Economics
- Geography
- Integrated Science

### Applied Learning Subjects:

- Building Facilities Engineering
- Environmental Engineering

### Notes:

There is no compulsory subject requirement. The admission score will be calculated based on "**Any Best 5 Subjects**" mechanism (after subject weightings have been applied). For more details, please visit the website of Academic Registry.

Applicants who have not taken the preferred subjects will still be considered for admission but they may need to take relevant underpinning subjects in order to gain the foundation knowledge.

## Attractive Features

- A 4-year (1 common year + 3 years of your selected major) full-time comprehensive programme.
- Opportunities to join exchange programmes for 1-2 semesters at top universities worldwide.
- Practical training modules in the technologically advanced Industrial Centre of the University.
- Summer placements in Hong Kong, Mainland China or overseas.
- A global learning experience for each student.
- Scholarships are available for students demonstrating excellent academic performance.

## Professional Recognition

The Hong Kong Institution of Engineers (HKIE) is the only statutory professional engineering body in Hong Kong. Graduates are expected to be qualified for Corporate Membership of HKIE after appropriate trainings and are eligible to join Scheme A training of HKIE in respective disciplines.

HKIE Disciplines	BEng (Hons) in Civil Engineering <sup>#</sup>	BEng (Hons) in Civil Engineering (Structural and Fire Safety Engineering)	BEng (Hons) in Environmental Engineering and Sustainable Development <sup>#</sup>	BEng (Hons) in Civil Engineering (Smart Mobility) with a Secondary Major in AIDA
Civil	✓	✓ <sup>^</sup>		✓ <sup>^</sup>
Environmental	✓		✓	
Logistics & Transportation	✓ <sup>*</sup>		✓ <sup>*</sup>	✓ <sup>^</sup>
Structural	✓	✓ <sup>^</sup>		✓ <sup>^</sup>
Geotechnical	✓			✓ <sup>^</sup>
Fire		✓ <sup>^</sup>		

\*For details, please refer to the curriculum

<sup>^</sup>Potential accreditation pending assessment by HKIE

<sup>#</sup>Up to 2022 cohort of intake. Re-accreditation will be sought.

## Career Prospects

The majority of our graduates embarked on rewarding careers in government departments and authorities, engineering consultants and construction contractors soon after graduation. After a few years of relevant working experience, many graduates would sit for professional examination in becoming a professional engineer to further advance their careers. Some graduates might continue to pursue higher degrees at prestigious overseas institutions.

## Further Information

### Scheme Leader

Dr Barbara Wing-ye Siu

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## Our Social Media Channels



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