THE DEPARTMENT OF

ARCHITECTURE AND CIVIL ENGINEERING

About ACE

The Department of Architecture and Civil Engineering at the City University of Hong Kong is unique in Hong Kong, as we offer a broad spectrum of construction-related programmes, from architecture to civil engineering, building services engineering (or architectural engineering) and surveying, within a single department. With this advantage, students are not only able to acquire professional knowledge of their chosen discipline of study (e.g. architecture), but they can also interact with students of other programmes (e.g. civil engineering) to broaden their horizon. The interdisciplinary knowledge and team working ability have made our graduates very sought-after in the construction industry.

Meeting the World's Challenges
Build Tomorrow
Create the Future

Our FACILITIES

- Built-informatics and Smart Cities Cluster (BICSS)
- Heavy Structures Testing Laboratory
- HVAC and Fire Services Laboratory
- Waste Water Treatment Laboratory
- Soil Mechanics and Geology Laboratory
- Aerodynamic Laboratory
- Structural Vibration Laboratory

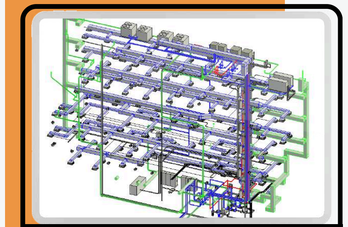
Our SCHOLARSHIPS

Every year about 450 university scholarships available for our outstanding undergraduate students.

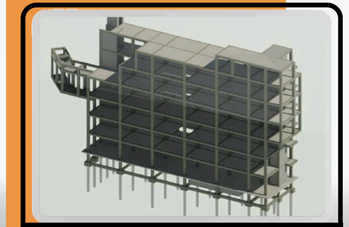
Our PROFESSIONAL RECOGNITIONS

BEng in Civil Engineering and BEng in Architectural Engineering are fully accredited by the Hong Kong Institution of Engineers (HKIE) as a recognised degree for applying professional engineer qualification. BSc in Surveying is accredited by the Hong Kong Institute of Surveyors (HKIS). BSc in Architectural Studies is accredited by the Hong Kong Institute of Architects (HKIA).

Architectural model



Building services model



Structural model

The IBPD course is a compulsory component for students in their final year of all bachelor degree programmes offered by the Department. These programmes encompass a wide range of disciplines, including architecture, civil and structural engineering, building services engineering, and surveying.

Within this course, students are expected to apply Building Information Modelling (BIM) methodologies across all disciplines throughout the project development process.

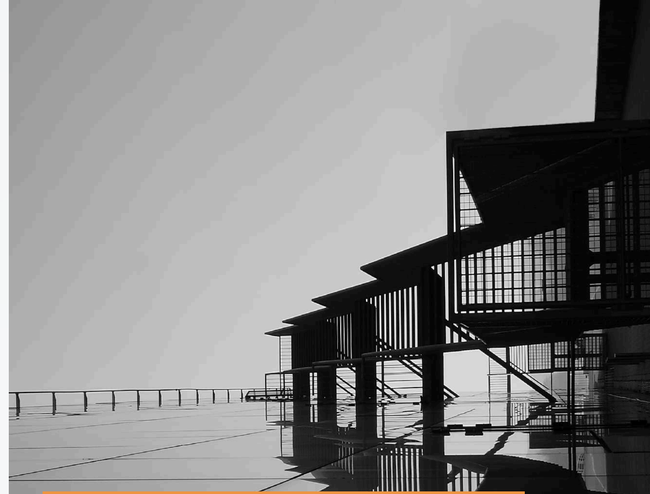
Overall, the course offers a stimulating and dynamic learning environment, fostering the growth of future professionals who possess a strong foundation in their disciplines and are well-prepared to contribute to the advancement of the built environment.

IBPD BIM

Integrated Building Project Development (IBPD)

A unique multi-disciplinary practical project-based course

ACE students' BIM models in the IBPD project 2023



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CityU Department of Architecture and Civil Engineering
香港城市大學 City University of Hong Kong

Bachelor of Science in Architecture and Surveying

(with 2 streams in Architecture / Surveying

This programme aims to foster the intellectual, analytical, and critical skills of students, preparing them to become competent and skilled professionals in the fields of surveying or architecture. Graduates will possess a deep understanding of their respective disciplines, effective communication abilities, problem-solving skills, a commitment to lifelong learning, and leadership qualities in the building and construction industries.

Theme of Study

Stream: Architecture

- Architectural Design and Design Research Projects
- Communication, Design & Digital Media
- History, Theory & Societal
- Professional Practice
- Technology, Environment & Sustainability

Stream: Surveying

- Arbitration and Dispute Resolution
- Building Control
- Construction Technology
- Construction Contract and Project Management
- Law for Construction
- Property Economics
- Project Cost Control/Monitoring

Building upon the unconditional accreditation of the BScAS program, we anticipate that the BScARSV program will receive accreditation from HKIA/ARB by the end of 2027.

Bachelor of Engineering in Architectural Engineering

Architectural engineering, or building services engineering, is essential for our daily lives. It involves designing crucial systems in buildings, such as electricity, lighting, heating, air-conditioning, fire safety, water supply, waste management, and elevators. Building service engineers also prioritise health and sustainability by designing infectious disease wards and implementing energy-efficient monitoring and control systems. They strive to improve indoor environmental quality and ensure optimal thermal comfort.

Theme of Study

- Building energy
- Intelligent energy management and control
- Indoor environmental quality
- Heating, ventilation and air-conditioning systems
- Fire engineering
- Piping design

Explore our programmes & admissions site for all the details, or reach out to ACE with any questions. Join us at ACE and embark on an exciting journey towards your future!

Bachelor of Engineering in Civil Engineering

(with 2 streams in Structural Engineering / Infrastructure and Smart City)

Civil engineering is a vital profession that has a significant impact on our everyday lives. It encompasses various areas such as water supply, waste water treatment, urban planning, transportation infrastructure, structural design, and environmental considerations. Civil engineers play a crucial role in ensuring the sustainability of infrastructure development and its effects on society and the environment. They employ innovative technologies like sensors, drones, and virtual reality to enhance the planning, design, construction, maintenance, and public involvement in civil engineering projects.

Theme of Study

Stream: Structural Engineering

- Structural analysis and design
- Sustainable and resilient building design
- Geo-technical engineering and foundation design
- Water resources and environmental engineering
- Transportation engineering
- Construction technology and management
- Hydraulics and hydrology

Stream: Infrastructure and Smart City

- Structural analysis and design
- Geo-technical engineering and foundation design
- Water resources and environmental engineering
- Transportation engineering and smart mobility
- Construction technology and management
- Hydraulics and hydrology
- Smart buildings design, construction and operation

ACE Bachelor Programmes

First-Year Entry

Admission code: JS1201 (JUPAS) / 1201 (non-JUPAS)

Architecture and Civil Engineering, Majors:
BEng Architectural Engineering
BEng Civil Engineering
BSc Architecture and Surveying

Advanced Standing I/II Entries

- Bachelor of Science in Architecture and Surveying ***Admission code: 1707A***
- Bachelor of Engineering in Architectural Engineering ***Admission code: 1698A***
- Bachelor of Engineering in Civil Engineering (with 2 streams in Structural Engineering / Infrastructure and Smart City) ***Admission code: 1699A***

@All first-year entry applicants will have a common curriculum in the first year and will enter a major (option: BEng Architectural Engineering, BEng Civil Engineering, BSc Architecture and Surveying) after one year of study. The top 40% of students# will have a free choice of majors offered by the Department. The other 60% of students will be allocated a major within the Department, subject to the availability of places and the selection criteria set by individual majors.

#based on CGPA with no failed grades, completion of at least 30 credit units including College / Department required courses and no academic dishonesty record for the year.

ARCHITECTURE CIVIL ENGINEERING