

COLLEGE OF ENGINEERING



International Rankings

- Most International Universities in the World 2024 & 2025 & 2026 (THE)
- One of the two universities in Hong Kong which ranked top 100 in four major ranking systems (U.S. News, QS, ShanghaiRanking, THE)

U.S. News and World Report Global University Rankings

Worldwide
47th

Asia
9th

HK
3rd

By Subjects - Worldwide

Materials Science	5 th	
Physical Chemistry	6 th	
Condensed Matter Physics	7 th	
Energy & Fuels	8 th	
Nanoscience & Nanotechnology	8 th	
Optics	9 th	
Chemical Engineering	22 nd	
Electrical & Electronic Engineering	27 th	
Engineering	17 th	
Green and Sustainable Science & Technology	23 rd	
Mechanical Engineering	25 th	
Computer Science	23 rd	
Artificial Intelligence	26 th	
Civil Engineering	47 th	

Quacquarelli Symonds (QS) World University Rankings

Worldwide
52nd

Asia
7th

HK (Asia Ranking)
3rd

By Subjects - Worldwide

Materials Sciences	39 th	
Engineering - Electrical & Electronic	71 st	
Engineering - Civil & Structural	51 st -100 th	



ShanghaiRanking's Global Ranking

Worldwide
99th

HK
2nd

By Subjects - Worldwide

Library & Information Science	3 rd	
Automation & Control	10 th	
Metallurgical Engineering	16 th	
Nanoscience & Nanotechnology	16 th	
Materials Science & Engineering	19 th	
Electrical & Electronic Engineering	22 nd	
Chemical Engineering	33 rd	
Energy Science & Engineering	14 th	
Artificial Intelligence	21 st	
Telecommunication Engineering	27 th	
Instruments Science & Technology	36 th	
Biomedical Engineering	40 th	
Transportation Science & Technology	23 rd	
Computer Science & Engineering	30 th	
Civil Engineering	40 th	
Robotic Science & Engineering	42 nd	

Times Higher Education (THE) World University Rankings

Worldwide
73rd

Asia
14th

By Subjects - Worldwide

Engineering	58 th	
Computer Science	61 st	
Physical Sciences	65 th	



About Ranking



Bachelor's Degree



Depending on the departments, students admitted to the 4-year bachelor's degree programmes will either be enrolled in a major in a department, or study the common first year in a department and then choose a major after completing the first year of study.

JUPAS Catalogue No./ Admission Code

JS1217/ 1217



College of Engineering

Pathway for Research, Innovation, and Multinational Engineering (PRIME)

(any major in College of Engineering + Overseas Experience / Interdisciplinary / Entrepreneurial Training)

PRIME is a flagship programme of the College designed to provide exceptional students with a comprehensive education in engineering and opportunities to gain valuable experience through research internships and work placements in top universities and companies worldwide. It is intended to equip students with the skills and knowledge needed to excel in the field of engineering and to prepare them for successful careers in the global engineering industry. Key features of PRIME include a free choice of any major within the College of Engineering, one-on-one mentorship throughout the study period, overseas experience in Year 3 or Year 4 (either research internship or a global work placement in an international company), an interdisciplinary final-year project, and guaranteed admission to CityUHK PhD programme, upon meeting the PhD programme entrance requirements. PRIME is open to talented and motivated students with a passion for engineering and a commitment to excellence. Local students admitted to the flagship programmes with outstanding examination results shall be automatically considered for the Flagship Scholarships. For details, please visit www.cityu.edu.hk/scholarship.

(852) 3442 4133 ceng.adm@cityu.edu.hk www.cityu.edu.hk/ceng

JUPAS Catalogue No./ Admission Code

JS1201/ 1201

Department of Architecture and Civil Engineering

Architecture and Civil Engineering

(Majors: BEng Architectural Engineering / BEng Civil Engineering / BSc Architecture and Surveying)

Architectural Engineering

This major is fully accredited by the Hong Kong Institution of Engineers (HKIE) as a recognised degree for applying professional engineer qualification. The major aims to provide students with the academic background necessary for a professional architectural and building services engineer. They will be able to manage the design, manufacturing, installation, commissioning and maintenance of various building services engineering systems including air-conditioning systems, electrical services, fire protection systems and pipe systems. They will also be equipped with the concept of integration between various disciplines within the architectural and building services engineering and also the other trades of the building industry.

Architecture and Surveying

(with 2 streams in Architecture / Surveying and Urban Informatics)

This major with two streams in Architecture and Surveying and Urban Informatics aims to provide students with an environment that can develop their intellectual, analytical and critical abilities, and enable the graduates to become competent, skilled, and reflective new members of the architecture or surveying profession. This major also equips students with well-developed interdisciplinary knowledge to facilitate them to communicate effectively; contribute through team and individual application of skills and knowledge to resolve practical construction-related problems; commit to lifelong learning; and build up leadership skill in the building and construction professions.

Civil Engineering

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

This major is fully accredited by the Hong Kong Institution of Engineers (HKIE) as a recognised degree for applying professional engineer qualification. This major aims at equipping students with a solid foundation to work as a civil engineer. It covers a wide spectrum of areas, for example, construction technology and materials, engineering management, environmental engineering, geotechnical engineering, green urbanism, hydraulic engineering, structural engineering and transportation engineering. There are two specialisms in the major: structural engineering, and infrastructure and smart city. Graduates are expected to work as civil/structural engineers, geotechnical engineers, construction and site engineers, construction project managers, building engineers, transport engineers, etc., in private and government sectors. There are opportunities for further studies and research at graduate levels in Hong Kong, the Chinese Mainland and overseas.

(852) 3442 7609 acedept@cityu.edu.hk www.cityu.edu.hk/ace



JS1205/ 1205 ::::**Department of
Electrical Engineering****Electrical Engineering***(Majors: BEng Computer and Data Engineering / BEng Electronic and Electrical Engineering / BEng Information Engineering / BEng Microelectronics Engineering)***Computer and Data Engineering**

This major aims to provide students with a robust foundation in computer systems, with a strong emphasis on data-driven technologies and AI. The curriculum covers (1) Software and hardware design; (2) Data science, machine learning and AI; (3) IoT and cybersecurity; (4) Cloud computing and big data management. Graduates will develop expertise in areas such as AI systems, data analytics, and computer vision, preparing them for diverse engineering roles, postgraduate studies, or lifelong learning in this fast-evolving field.

Electronic and Electrical Engineering

This major aims to provide students with a solid education in advanced electronic and electrical technologies. Students will be exposed to the latest developments in (1) Wireless communications and data technology; (2) Microwave, terahertz and optical technologies; (3) Photonic, electronic, and sensor devices; (4) Smart control and electrical power systems; and (5) Bioelectronics and bioinformatics. Our programme will transform students into well-trained professional engineers, ready to thrive in a rapidly changing, knowledge-based economy. Throughout their training, students will be equipped with the skills, vision, and opportunities needed to advance in their career path.

Information Engineering

This major aims to equip students with a balanced understanding of the theory and applications of information engineering, which encompasses networking and communications, algorithms and optimisation, cybersecurity, AI, and signal processing. It offers all-round education, which nurtures independent thinking, creativity, and various soft skills of students. Upon completion of the major, graduates will be sufficiently prepared for further studies or employment in a wide range of economic sectors, mainly technology, but also business, banking, finance and trading in Hong Kong and the Asia-Pacific region.

Microelectronics Engineering

The major aims to provide students with sound knowledge of the fundamental principles involved in the design and fabrication of integrated circuits (ICs), and a comprehensive understanding of electronics and information technologies. The curriculum includes application specific IC (ASIC) design for novel applications, nanotechnologies for high-performance devices and microsystems, new designs and materials for ICs, digital processor, system-on-chip, wireless and optical communications, and embedded system design. Upon completion of the major, students will be sufficiently prepared for employment in various sectors of the microelectronics and electronics industry, and well equipped with fundamental knowledge for pursuing postgraduate studies.

**JS1207/ 1207****Department of
Mechanical Engineering****Mechanical Engineering***(Majors: BEng Aerospace Engineering / BEng Mechanical Engineering / BEng Nuclear and Risk Engineering)***Aerospace Engineering**

The aerospace engineering major aims to provide students with a significantly broad base of engineering skills. They will meet the needs of the current and the changing aerospace industry, such as smart manufacturing, smart inspection, supersonic flight technologies, space flight, the next generation aircraft (e.g. unmanned flying vehicles, bio-inspired flying vehicles and electric aircrafts). Moreover, the multidisciplinary education also enhances graduate employment in areas such as technical services, consultancy, manufacturing and finance, which is aligned with the manpower need in Hong Kong.

Mechanical Engineering

This major aims to provide a well-structured curriculum that combines education, research and development of innovative technologies which enables students to tackle engineering problems in mechanical-related areas efficiently and independently. It equips students with critical thinking, independent research abilities, qualitative and quantitative analysis capacities, and also prepares them for professional employment in areas such as engineering design of materials, dynamical and control analysis, automation engineering, and micro and nanotechnologies.

Nuclear and Risk Engineering

This major aims to equip students with multi-disciplinary knowledge in nuclear and risk engineering to meet the growing demands in low carbon power generation, healthcare and risk engineering sectors. Graduates can work in a broad spectrum of related professions or industrial sectors, such as nuclear power industry, materials engineering, nuclear medicine related fields, radiation protection, environmental protection, nuclear radiation equipment industry, risk assessment in the financial sector and also disaster management.



**Department of
Materials Science and Engineering**

BEng Materials Science and Engineering
(Features: HKIE Accredited / Industrial and Research Internships / Overseas Double-degrees / Knowledge Transfer / World-leading Research)

'Materials' is the key for new technology development. Recent government supported initiatives in developing Hong Kong as a smart city have significantly increased the job opportunities in materials related industries. This major aims at training young talents to facilitate the development of local high-tech industries. Students will be provided with solid foundation of science in construction, semiconductor, polymer, metallic alloy, nano, and bio materials. The Department of Materials Science and Engineering is equipped with world-class facilities and emphasis will be put on providing hands-on training in materials fabrication, materials processing, characterisation, and materials simulation using computational method. During the four-year programme, students will participate in various training modules, including summer engineering workshop, materials design project, and summer industrial and research attachment schemes. Upon graduation, they will become graduate members of the Hong Kong Institution of Engineers (HKIE) and professional engineers after completing the professional assessment.

(852) 3442 2985 @ mse@cityu.edu.hk www.cityu.edu.hk/mse



For details about entrance requirements and programme information, please visit:
www.cityu.edu.hk/admo

**Department of
Systems Engineering**

BEng Intelligent Manufacturing Engineering
(Features: Industrial Internet-of-Things / Industrial Big Data / Robotics and Automation / Logistics and Supply Chain / Smart City Engineering)

This major aims to develop young talents for "Industry 4.0" and "intelligent manufacturing". The major emphasises the use of AI, computer modelling and optimisation, industrial big data, Internet of Things, automation and robotics in smart manufacturing and smart organisations. Our graduates will possess the practical skills and knowledge for innovating and managing the operations of modern manufacturing enterprises. These skills and knowledge will also apply to service industries and commercial enterprises to automate and digitalise their various processes, to push for higher and higher efficiency.

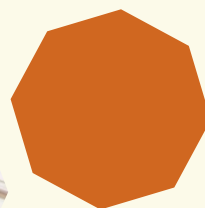
(852) 3442 9321 @ sye.office@cityu.edu.hk www.cityu.edu.hk/sye

**Department of
Systems Engineering**

BEng Innovation and Enterprise Engineering
(Features: Engineering / Technology / Innovation / Enterprise / Entrepreneurship)

This programme in Innovation and Enterprise Engineering aims to nurture a new generation of engineers equipped with an innovation and entrepreneurial mindset, and facilitate opportunities for tech start-ups for young entrepreneurs. The programme covers and integrates elements of systems design and process, engineering innovation and entrepreneurship. The programme emphasises the use of state-of-the-art AI, data analytics, and management science in engineering sector and organisations. Our graduates will possess practical skills and knowledge for engineering innovation and enterprises which are also applicable in other service industries and commercial enterprises. The programme is a unique undergraduate engineering education package in Hong Kong.

(852) 3442 9321 @ sye.office@cityu.edu.hk www.cityu.edu.hk/sye



Joint Bachelor's Degree Programme

Joint Bachelor's Degree Programmes provide students with an international undergraduate educational experience. Students will spend two years at CityUHK and two years at the partner university. On completion of the curriculum requirements of both universities, students will earn two bachelor's degrees - one from CityUHK and one from the partner university.

National Taiwan University, Taiwan, China



Curriculum Design

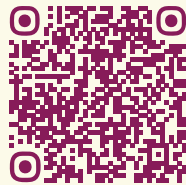


Eligible Majors

- BEng in Civil Engineering
- BEng in Materials Science and Engineering

For more information, please visit:

Civil Engineering Materials Science and Engineering



CentraleSupélec, Paris-Saclay University, France



Curriculum Design

Students may choose to begin their studies at either CentraleSupélec, Paris-Saclay University or College of Engineering, CityUHK.



CentraleSupélec	BEng Innovation Engineering and Entrepreneurship
CityUHK	• BEng Aerospace Engineering • BEng Computer and Data Engineering • BEng Electronic and Electrical Engineering • BEng Information Engineering • BEng Innovation and Enterprise Engineering • BEng Intelligent Manufacturing Engineering • BEng Materials Science and Engineering • BEng Mechanical Engineering • BEng Nuclear and Risk Engineering



CityUHK	BEng Innovation and Enterprise Engineering
CentraleSupélec	BEng Innovation Engineering and Entrepreneurship Streams: • Bioengineering • Data Science • Electrical Engineering • Mechanical Engineering (Energy)



For more information, please visit:

College of Engineering

- Department of Architecture and Civil Engineering (ACE)
- Department of Electrical Engineering (EE)
- Department of Materials Science and Engineering (MSE)
- Department of Mechanical Engineering (MNE)
- Department of Systems Engineering (SYE)
- Co-operative Education Centre



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📱 香港城市大学工学院
📱 港城大工学院生活日常

