Energy and Environmental Engineering Programme (EEEN) educates and equips students with fundamental knowledge and practical experience in an integrated study of the energy and environmental engineering field covering the related areas of energy generation, storage and distribution, environmental monitoring, assessment and design, as well as building services and management. The Programme is aimed at preparing our graduates to embark on a broad base of successful careers as practitioners, academics, entrepreneurs, and leaders in the fields of energy, environmental science, building service engineering and beyond.

EEEN has been designed with a strong interdisciplinary nature spanning the relevant topics of engineering, environmental and architectural studies. The EEEN curriculum incorporates significant elements from the disciplines of Environmental Science (ENSC), Geography and Resource Management (GRMD), and Architecture (ARCH) areas. Through the Programme, students will acquire fundamental knowledge of the principles of the relevant subjects, as well as the ability to facilitate solutions to problems pertaining to energy technologies, environmental engineering, urban pollutions, building performance assessment and control, etc., thereby contributing to the well-being of our society.

Admission Schemes
We welcome any applicant satisfying the following basic academic requirements to apply:

JUPAS Admission: Secondary school students taking the Hong Kong Diploma of Secondary School Examination (HKDSE) should apply for admission through the Joint University Programme Admission System (JUPAS).

Other Admission Channels: Local applicants with other qualifications (Associate Degree/Higher Diploma, HKALE, GCE, IB, SAT/AP, etc.) can apply through the non-JUPAS admission scheme. Non-local students who require a student visa to study in Hong Kong can apply through the International Students Admission Scheme. A non-JUPAS or international applicant may apply for “Admission with Advanced Standing” if he/she meets the specific requirements for specific qualifications. Applicants holding the qualification of associate degree or a higher diploma with excellent results may apply for direct admission to senior year places.

Programme Highlight
The EEEN Programme has three streams, i.e., Sustainable Energy Technology, Environmental Engineering, and Green Building Technology. Green Building Technology, a newly added stream, provides students with fundamental knowledge on environmental performance assessment and energy management of urban buildings.

For more details, please go to www.eeen.cuhk.edu.hk

Financial Technology (FinTech) is an emerging engineering discipline that focuses on employing technological innovations in financial practices. Leveraging on the cutting-edge developments of engineering, in particular information technology and data sciences, it demonstrates an unprecedented potential to revolutionise the nature of traditional financial service industry in a fundamental way.

The advents of digital currencies, crowdfunding platforms, robot investment advisors, big data analytics, and algorithm-driven trading strategies profoundly impact the means and behaviors of how people make payments online and offline, store and manage their wealth, and finance their businesses. On the one hand, FinTech significantly improves end-users’ service experience, making the financial industry more inclusive and productive. On the other hand, it also poses a crucial challenge to understanding and analysing its social benefits and risks economically, technologically, and legally, so as to foster its healthy development.

The mission of the FinTech programme is to educate and equip students with the essential knowledge and capabilities to apply technological innovations to financial services, and to nurture leadership and entrepreneurship for the next generation of financial talents in support of Hong Kong’s endeavor to grow into an international FinTech hub. After four years of all-round education, students are expected to be able to:

- Derive and develop financial and managerial insights from big data;
- Design and engineer innovative solutions to meet financial service needs;
- Optimize financial decisions in complex business environments; and
- Understand and analyse the social, economic, security, and legal impacts of their solutions.

This new programme is built upon a strong collaboration between CUHK Faculty of Engineering and the Faculties of Business Administration, Law, and Social Science. It offers multi-disciplinary training, which will equip students with both solid technological education in engineering innovations and insightful understanding of the business and legal environment for FinTech. New course offerings, including Financial Infrastructures, E-Payment Systems and Cryptocurrency Technologies, Internet Finance, Financial Informatics, bring to our undergraduate education state-of-the-art developments in the field for the first time. Closely collaborating with the Hong Kong Monetary Authority (HKMA) and Hong Kong Applied Science and Technology Research Institute (ASTRI), the programme also organises internships and overseas exchange to encourage students to apply theories to practices.