Year 3 entry

Top-up Programme

Bachelor of Science with Honours in
Computer Engineering
電腦工程學
榮譽理學士

Programme code: BSCHCEFS

Full-time   **2 years**

Admission requirement

Completed a recognized associate degree or higher diploma in computer engineering, networking, software engineering, information technology, information system or a relevant area.

Career prospects

- Computer engineer
- Network engineer
- Programmer
- Mobile application developer
- System analyst / engineer
- Wireless engineer
- Product engineer
- Telecommunication engineer
- Electronic engineer
- Cloud & data center

- Mobile service provider
- Information technology
- Network service provider
- Engineering systems
- Finance
- Government
- Healthcare
- Logistics
- Manufacturer

Practical & Wide Coverage

WANTED! **High demand for engineers** in computer system, software, networking, wireless communication & smart infrastructure

Honours degree recognized by companies, organizations and institutions; paving way for postgraduate study

Wide choice of career directions: software, hardware, system, infrastructure, network, communication

Smart city infrastructures, smart devices, IoT, 5G, healthcare, finance, network, manufacturing, transportation, logistics

Course highlights

- Computer Architecture
- Mobile Application Development
- Computer Networking
- Routing & Switching Technologies
- Advanced Computer Design
- Digital Signal Processing
- Operating Systems
- Multimedia Technologies

- Software Engineering
- Communication System
- Quality Management
- Engineering Professional Practice
- Digital Communication
- Final Year Project

Enquiries & Information

Tel : 2768-6824   Email : kbtong@hkmu.edu.hk

www.hkmu.edu.hk/st/ce

HKMUECE

Student Training

Final Year Project

○ **Electronic & Computer Engineering Project** provides opportunity for final year students to work on a year-long project. The course aims to build confidence in the students to organize strategies, plan schedule, and tackle scientific, technical, business or social problems. Students need to explore an area in considerable depth and demonstrate problem solving & analytical skills.

Topic areas include computer simulation, biomedical engineering, mobile application development, artificial intelligence, software development, IoT, embedded systems, and scientific research. Selected projects are collaborated with industrial & academic partners.

Student Activities

International Opportunities

○ Students have the opportunity to **collaborate with companies in real-world projects**, and to participate in **international conferences & competitions**.

Overseas Study Tours

Students are provided with opportunities to join overseas study tours, in which they engage in academic exchange with professionals & students at overseas universities; visit companies and professional organizations to gain a better understanding of the technological developments; and experience different cultures. Each tour is a great learning experience outside the classroom environment.
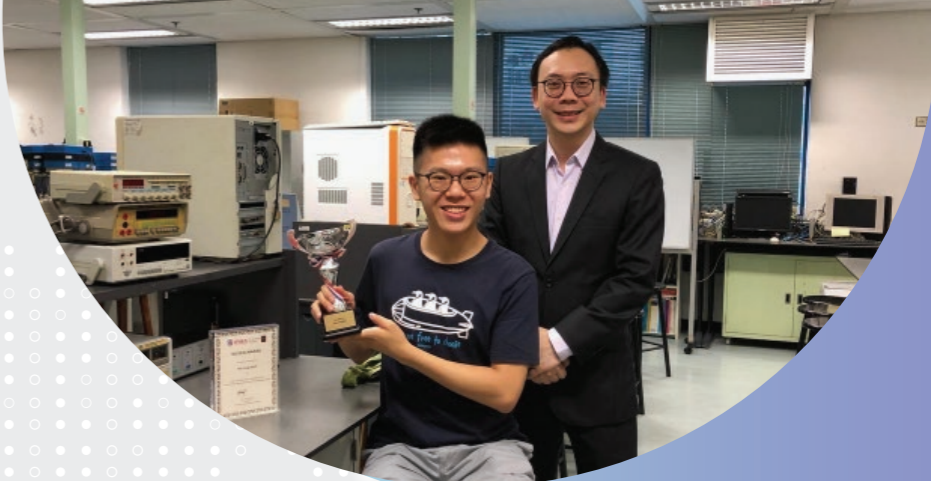
Visits & Seminars

Technical visits to companies & facilities are regularly organized. Places visited include CLP, HEC, EMSD, GFS, Ngong Ping 360, Ngong Ping Sewage Treatment Works, Cathay Pacific, Zero Carbon Building, Ocean Park, HAECO, Googol Technology, City of Dreams, HK Blind Union, and Science Park. Students are provided the opportunity to learn about career prospect, the newest technologies, and social impacts of innovation.

Career Development

Alumni, career consultants, and senior management staff from I.T. and engineering corporations are invited to share about the latest updates of the industry. Topics include career planning, market trend, CV writing, and tips for further studies. These seminars serve to better equip our students for their next milestone in life.