



UOW
COLLEGE
HONG KONG
香港伍倫貢學院

Part of
**UNIVERSITY
OF WOLLONGONG
AUSTRALIA**

Associate of Engineering

AENG

FACULTY OF
**SCIENCE AND
TECHNOLOGY**

 2707 3232

 UOWCOLLEGEHK

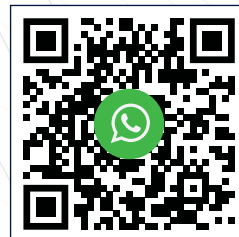
 UOWCOLLEGEHK

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87%*

Faculty Further Studies Rate

* Local / overseas institutions,
including non-government-funded programmes



OWN YOUR FUTURE NOW

Programme Features

This programme blends electrical engineering principles with computer science to provide students with a powerful skill set that is highly sought after in today's job market. Graduates can design and develop electronic systems, software, and digital applications, while also possessing the skills to manage and troubleshoot these systems. With a strong emphasis on mathematics courses, we help students build proficiency in vital engineering concepts and theories. The programme has a proven track record of successful articulation to prestigious engineering degree programmes and caters to the growing demand for talent in the innovation and technology sectors.

Graduate Outcome

This programme produces graduates with a solid foundation in electrical engineering principles and computer science, who would be able to design and develop electronic systems, software, and digital applications, as well as manage and troubleshoot these systems effectively.



Competency Achieved

Students will achieve competencies in programming, electronics and circuits, mathematics, computer networking and security, software and hardware development and ethics.

Main Subject Areas

Foundational Computing and Mathematics

- Introduction to Programming
- Basic Calculus and Linear Algebra
- Discrete Mathematics & Calculus

Networking and Security

- Introduction to Computer Network
- Internet Security
- Data Communication Theory

Hardware and Electronics

- Computer Organization
- Electronic Devices and Circuits
- Digital Electronics
- Creative Electronics

Data Management and Design

- Data Structures and Algorithms
- Database Systems and Design
- Object-Oriented Programming and Design

Career Prospects

Graduates of this programme can pursue careers as computer engineers, software developers, electrical engineers, network administrators, data analysts, and database administrators. Additionally, their skills in electronics and circuits make them suitable for positions in electronics manufacturing, telecommunications, and digital applications development.

Further Studies Pathways

(below is not exhaustive but only aims to show some examples)

University of Wollongong, Australia

- Bachelor of Computer Science

City University of Hong Kong

- Bachelor of Engineering in Electronic and Communication Engineering
- Bachelor of Engineering in Energy Science and Engineering

The Chinese University of Hong Kong

- Bachelor of Engineering in Computer Engineering
- Bachelor of Engineering in Electronic Engineering

The Hong Kong Polytechnic University

- Bachelor of Engineering (Honours) in Civil Engineering
- Bachelor of Engineering (Honours) in Electrical Engineering

The Hong Kong University of Science and Technology

- Bachelor of Engineering (Honours) in Civil Engineering
- Bachelor of Engineering (Honours) in Electrical Engineering