



UOW
COLLEGE
HONG KONG
香港伍倫貢學院

Part of
UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Higher Diploma in Application Systems Development

HDASD

FACULTY OF
SCIENCE AND
TECHNOLOGY

☎ 2707 3232

📷 UOWCHKFST

📘 UOWCHKFST

✉ uowchk-fst@uow.edu.au

83%*

Faculty Further Studies Rate

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



Programme Features

The Higher Diploma in Application Systems Development (HDASD) focuses on the latest developments in information and communication technology, allowing students to gain a solid foundation in mathematics and computer science concepts. The programme's emphasis on practical training and hands-on experience allows students to learn the skills necessary to become successful computer scientists and software engineers. The inclusion of a sponsored live project, industrial internship experience, and overseas summer exchange and study tour programmes further enhance students' practical skills and enhance their employability in the thriving innovation and technology industry in Hong Kong.

Graduate Outcome

We produce graduates who are equipped with a broad range of ICT skills and practical experience that make them highly sought-after professionals in the innovation and technology industry, well-prepared to excel in the field of application systems development.



Competency Achieved

Students will achieve competencies in programming, web and mobile application development, database systems and design, software development and administration, internet security, and ethical considerations in technology.

Main Subject Areas

Foundational Concepts

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

Computer Science Fundamentals

- Computer Organization
- Introduction to Computer Network
- Data Structures and Algorithms
- Object-Oriented Programming and Design

Web & Mobile Application Development

- Web Programming
- Mobile Applications Development
- Internet Security

Systems and Database Management

- System Administration
- Database Systems and Design
- Software Development Project
- Ethics in Technology

Career Prospects

With the graduates' comprehensive knowledge and skills in programming, web and mobile application development, system administration, and database management, they can land jobs such as software developers, web developers, mobile app developers, system administrators, database administrators, and IT project managers. Additionally, their proficiency in ethical considerations and internet security opens doors to successful careers in cybersecurity and data protection.

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 Computer and Data Engineering
- Bachelor of Science in Computer Science

Hong Kong Baptist University

- Bachelor of Science (Honours) in Computer Science

The Hong Kong Polytechnic University

- Bachelor of Science (Honours) Scheme in Computing and AI

The Hong Kong University of Science and Technology

- Bachelor of Engineering in Computer Engineering
- Bachelor of Engineering / Bachelor of Science in Computer Science