



UOW
COLLEGE
HONG KONG
香港伍倫貢學院

Part of
**UNIVERSITY
OF WOLLONGONG
AUSTRALIA**

Associate of Science in Information Systems Development

ASciSD

FACULTY OF
**SCIENCE AND
TECHNOLOGY**

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87%*

Faculty Further Studies Rate

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



Programme Features

The Associate of Science in Information Systems Development (AScISD) programme prepares students for further studies in a wide range of computer science degree programmes and employment in diverse industries. With a focus on software development, students learn skills in areas such as object-oriented analysis and design, programming languages, software testing, and project management. We also emphasize the development of soft skills like problem-solving and teamwork. Students can engage in sponsored live projects and participate in overseas summer exchange and study tour programmes. teamwork. Students can engage in sponsored live projects and participate in overseas summer exchange and study tour programmes.

Graduate Outcome

Graduates are well-equipped to meet the market demand and pursue careers in the innovation and technology industry. They will be equipped with strong software development skills, enabling them to excel in diverse industries and pursue further studies in computer science.



Competency Achieved

Students will achieve competencies in mathematics, networking, software development and design, database management, critical thinking, ethical awareness, and collaboration and communication skills.

Main Subject Areas

Foundational Concepts

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

Foundational Concepts and Design

- Data Structures and Algorithms
- Object-Oriented Programming and Design
- Web programming
- Mobile Applications Development
- Database Systems and Design
- Software Development Project

Networking and Security

- Introduction to Computer Network
- Internet Security
- System Administration

Sustainability

- Ethics in Technology
- Globalization and Sustainability
- Critical Thinking
- Environment and Technology

Career Prospects

Graduates of this programme can pursue roles such as software developers, web developers, mobile app developers, database administrators, system administrators, and IT project managers. They can find jobs in various industries including business, engineering, web and app design, media computing, and the innovation and technology sector. The programme also provides a solid foundation for further studies in computer science or related disciplines, opening additional career pathways in research, academia, and advanced technology roles.

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 Engineering

Hong Kong Baptist University

- Bachelor of Science (Honours) in Computer Science

The Chinese University of Hong Kong

- Bachelor of Engineering in Computer Science and Engineering
- Bachelor of Engineering in Information Engineering

The Hong Kong Polytechnic University

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