



UOW
COLLEGE
HONG KONG
香港伍倫貴學院

Part of
**UNIVERSITY
OF WOLLONGONG**
AUSTRALIA

Associate of Science in Network and Systems Administration

AScNSA

FACULTY OF
**SCIENCE AND
TECHNOLOGY**

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83%*

Faculty Further Studies Rate

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



Programme Features

The Associate of Science in Network and Systems Administration (AScNSA) programme focuses on computer network planning, design, implementation, and management. Its comprehensive curriculum covers networking technologies, protocols, architecture, security, and troubleshooting, as students gain hands-on experience in network installation and management. Graduates have a good track record of acceptance into prestigious ICT programmes at top universities in Hong Kong. As Hong Kong evolves into a Smarter Digital City, this programme equips students with the skills needed for high-value-added manufacturing and positions them at the forefront of the city's technology-driven future.

Graduate Outcome

The AScNSA programme produces graduates with expertise in computer networking, equipped with the skills and knowledge to excel in network administration.



Competency Achieved

Students will achieve competencies in programming, computer networking fundamentals, system and network administration, data communication theory, internet security, mathematics, and ethical awareness.

Main Subject Areas

Foundational Concepts

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

Computer Networking Fundamentals

- Introduction to Computer Network
- Router Technology
- System Administration
- Network Administration
- Data Communication Theory

Software Development and Internet Security

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

Ethical Awareness

- Ethics in Technology
- Globalization and Sustainability
- Critical Thinking

Career Prospects

The programme aligns with the growing demand for networking specialists in the Innovation and Technology sector, providing excellent career prospects. Graduates can expect promising career prospects in the field of computer networking and related industries. They can pursue roles such as network administrators, system administrators, IT support specialists, network engineers, cybersecurity analysts, and database administrators. Additionally, the programme provides a solid foundation for further studies in computer science or related disciplines, opening pathways to 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