

# PROGRAMME DESIGN



## Software Engineering & Project Management

*(choose three out of the below courses)*  
Software Quality Management  
Managing Software Projects  
Software Testing and Maintenance  
Decentralized Applications Development

## Multimedia Computing

Computer Graphics  
Multimodal Interface Design  
**Stream Electives** *(choose 1 course)*  
Computer Vision & Image Processing  
Computer Vision for Interactivity  
Virtual Reality  
Multimedia Technologies and Applications

## Information Security

Internet Security and E-Commerce Protocols  
Information Security and Management  
Topics in Cybersecurity

## Artificial Intelligence

Artificial Intelligence  
Machine Learning  
**Stream Electives** *(choose 1 course)*  
Computer Vision & Image Processing  
AI Game Programming

## Core Subjects

Computer Programming  
Internet Applications Development  
Data Structures  
Algorithms  
Software Engineering  
Database  
Computer Networks  
Operating Systems  
Computer Organisation  
IT Professional Placement  
Final Year Project  
Seminar Series

## Data Science

Fundamentals of Data Science  
Data-Intensive Computing  
Machine Learning

## RECOGNIZED PROFESSIONAL QUALIFICATION

BSc Computer Science is Hong Kong's FIRST bachelor's degree programme in computer science accredited by the Hong Kong Institution of Engineers (HKIE).



Students are qualified as official member upon graduation.

# IT PROFESSIONAL PLACEMENT

- 9-month full-time employment in the computing industry
- 1 day off weekly for taking courses

## Employers' Feedback



"He is an intelligent and diligent person with excellent programming and self-learning skills and capabilities. He was able to complete all the assigned tasks using K2 workflow from scratch and all by himself with minimum supervision. Overall performance is excellent."



"He was able to work independently and accomplished tasks in a new and complex system environment. His immediate supervisor, one of our experienced Systems Analysts, showed much appreciation to his good quality of work and excellent working attitude."



"He has consistently demonstrated impressive performance throughout the year. He is reliable, responsible and skillful in handling all assigned tasks and solving complex problems with ease. He is also able to work independently with minimal coaching."



"He worked independently to develop an IOS based mobile application for Siemens to support project site progress reporting via iPhone."

## Placement Companies



## Students' Feedback

"Placement is an important learning experience, allowing me to apply theoretical knowledge in a professional setting, learning new skills and being exposed to a range of situations and problems. It has enabled me to develop a sense of what it would be like to work as an employee."

"The placement experience has advanced my understanding of programming, after I have been thoroughly involving in an actual work environment. The experience I gained from the professional environment has made me more adept at coding, problem solving, and communication."

"I would like to thank CS department for providing me a valuable learning opportunity to work in a real working place. The placement year is a big milestone in my life - it helps me know more about the role of computer science in life and have a better understanding of myself."

"The technical skills and problem solving capability I learnt from placement have enriched my knowledge and are instrumental in helping me build my future career. I also have a deeper understanding of the structure and functioning of an IT unit, and have more interest in the IT industry."