BSc in Data Science and Technology

A joint program between
Department of Computer Science and Engineering and
Department of Mathematics

Program Overview:
We are living in a world full of massive data. How to interpret and utilize the data with advanced strategies and technologies? The data science and technology program will equip students with various mathematical tools, data analytical skills and IT technologies to make sense of data obtained from various sources. Through four years training, students are expected to be familiar with basic knowledge of data analytics, programming skills, mathematical modeling. Students will be provided industry experience to apply their knowledge to real life application. This program provides students rigorous training not only on hands-on skills but also on the mathematical and computational background that will give them a solid foundation for their future career.

Admission:
Students from the School of Science (JUPAS Code 5100) or the School of Engineering (JUPAS Code 5200) through SBA route (School-Based Admission) after they have finished the first year of study and completed the major pre-requisite courses. Selection criteria will follow the rules adopted by the School of Science and the School of Engineering on prioritizing the students’ major choices.

Intake Quota: 40

Jointly offered by:

香港科技大学
THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Online Mobile Marketing

Gaming

Self-Driving Car
Career Prospects:
A lot of data specialist/scientist positions are created every day in various business and industry sectors to make use of the massive datasets collected there. Graduates of data science and technology is of high demand in today’s job market, and most of them will be employed in those sectors such as IT, engineering, and finance. There will be other career opportunities such as management and sales etc.

Essential Skills in DSCT:
Probability and Statistics, Data Visualization, Machine Learning, Programming, Cloud Computing, etc.