6999 Computing and Data Science

Bachelor of Engineering in

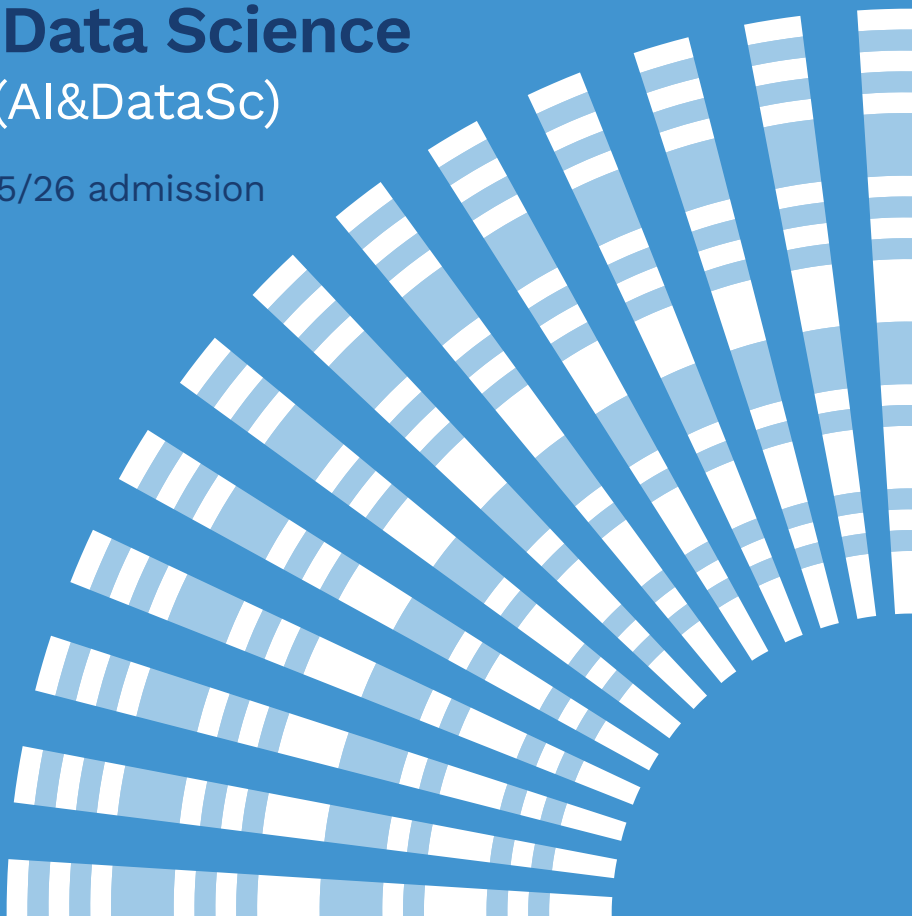# Computer Science
BEng(CompSc)

# Artificial Intelligence and Data Science
BEng(AI&DataSc)

For 2025/26 admission

Programme highlights and key features

Computing and Data Science (programme code: 6999) offers the choices of two professional degree programmes, namely: (1) Bachelor of Engineering in Computer Science [BEng(CompSc)], and (2) Bachelor of Engineering in Artificial Intelligence and Data Science [BEng(AI&DataSc)]. Students admitted to 6999 Computing and Data Science are free to choose (i.e., no quota limit applies) either of the aforesaid programmes. Students shall make a preliminary choice as an indication of their preferences; and they may freely choose the final programme by the end of their first year.

[BEng(CompSc)] and [BEng(AI&DataSc)] are two professional degree programmes designed to equip students with the necessary skills and knowledge to excel in the rapidly evolving field of computing, AI, data science, and other transformative technologies. These programmes provide a comprehensive education that prepares students to be leaders in their field, driving innovation and shaping the future technology.

The Bachelor of Engineering in Computer Science provides students with a strong foundation in computer science and its applications. The programme covers a wide range of topics, including programming, algorithms, data structures, software engineering, computing infrastructures, and artificial intelligence technologies.

The Bachelor of Engineering in Artificial Intelligence and Data Science, on the other hand, focuses on training students for careers in AI and data science. The programme provides students with solid training in artificial intelligence and data-driven computing technologies. It covers topics such as programming, data modelling, big data systems, AI & data ethics, AI technologies, and applications.

Bachelor of Engineering in Computer Science has been accredited by The Hong Kong Institution of Engineers.

Bachelor of Engineering in AI & Data Science is a new programme, accreditation has been planned and will be sought as soon as the first cohort graduates.

Curriculum structure

Professional Core	Foundation Courses (36 credits)
	Disciplinary Core Courses (Introductory) (24 credits)
	Disciplinary Core Courses (Advanced) (30 credits)
	Capstone Experience* (12 credits)
	Disciplinary Elective Courses (42 credits)

Elective Courses
(42 credits)

University Requirements
(54 credits)

* For BEng(AI&DataSc), students are required to complete the 6-credit Real-life AI and data science, the 6-credit AI and data science in discipline project or Final year project, and the non-credit bearing Internship to fulfill the capstone experience requirement.

Entrance requirements and admission formula

Entrance requirements

JUPAS route:

Programme	English Language	Chinese Language	Mathematics	Citizenship and Social Deveopment	Elective Subject: Category A subjects and Extended Module 1 or 2 in Mathematics (M1/M2)
6999 Computing and Data Science (CDS)	3	3	3	Attained	Level 3 in 2 subjects#

Level 3 or above in one of the following subjects: Biology, Chemistry, Physics, Economics, or Information and Communication Technology; Level 3 or above in Mathematics Extended Part (Module 1 or 2) is preferred

Non-JUPAS route:

Applicants with other local/international/national qualifications (e.g., IB, GCE-AL, SAT/AP, NJCEE) will be considered on an individual merit basis. More details are available from the programme website at
cds.hku.hk/prospective-students/undergraduate

Admission formula

Eng + 1.5 x Math + Best 2 Subjects with weighting (*) + Best Subject

* = 1.5 x M1/ M2 / Biology / Chemistry / Physics / Economics / Information and Communication Technology; 1 x other subjects
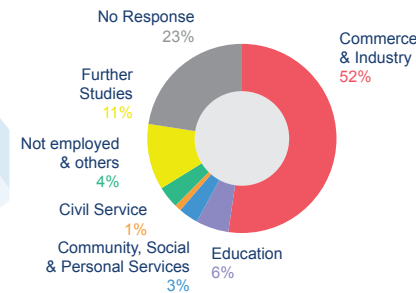
Career prospects and employment statistics

Graduates of either programme will be at the forefront of driving innovation and making significant contributions to the development of cutting-edge solutions that leverage computing, AI, and data science technologies. They will be well-positioned to take up key roles such as machine learning engineers, software developers, data analysts/engineers, AI consultants, cybersecurity specialists, and more, in a wide range of industries. Moreover, our programmes provide a strong foundation for students who aspire to pursue postgraduate studies in the field.
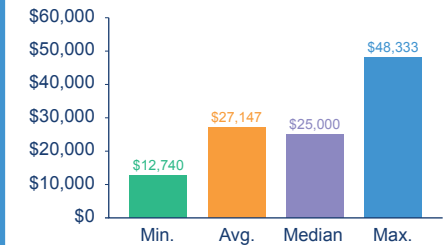
BEng(CompSc)

Computer Science graduates are very employable, not just for IT jobs but for other analytical roles too. The problem-solving skills and analytical abilities that our graduates developed during their undergraduate study proved to be very valuable in many areas of endeavour. IT professionals are well sought after in different sectors of the society, say banking & finance, the government, education, IT & telecommunications, etc. Many of them are now working in leading international companies and even work abroad with big names, such as Apple and Google. Some graduates started their own business and became entrepreneurs.

Employment statistics

Employment Sector

- No Response 23%
- Further Studies 11%
- Not employed & others 4%
- Civil Service 1%
- Community, Social & Personal Services 3%
- Education 6%
- Commerce & Industry 52%

Basic Salary of 2023 BEng(CompSc) Graduates

	Min.	Avg.	Median	Max.
	$12,740	$27,147	$25,000	$48,333

BEng(AI&DataSc)

New and exciting career choices in the fastest-growing job positions like data engineer/architect, data scientist, data analyst, machine learning engineer, big data engineer, business analyst, and information security analyst.

More information

HKU Worldwide Undergraduate Student Exchange Programme

At HKU, we aim to equip our students with not only academic excellence, but also the knowledge, skills, and values needed to become influential citizens in today's globalised world. To achieve this goal, we offer a variety of overseas learning opportunities. Studying abroad can be a transformative experience, and we actively encourage our students to take advantage of these programmes.

The HKU Worldwide Undergraduate Student Exchange Programme (HKUWW) provides exchange places from partner institutions (or host institutions) of the University for one or two semester(s). Students are offered exchange opportunities in world-renowned universities such as Harvard University, Columbia University, McGill University, the University of Toronto, the University of California at Berkeley, Davis, Santa Barbara and Los Angeles, the University of Melbourne, the University of British Columbia, the University of New South Wales, the University of Amsterdam, Georgetown University, the University of Waterloo, just to name a few.

For more information about the programmes*, please visit our website:

🌐 **cds.hku.hk/prospective-students/undergraduate**

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cds.admission@hku.hk

*New programmes: subject to approval of the University