1 Faculty’s Commitment

Brief Introduction
Established in 1998, NUS School of Computing (SoC) is Asia’s leading computing school, with an excellent record of nurturing research-driven and enterprising graduates who thrive in various sectors of the economy. From biomedicine to finance and various high-tech industries, it counts among its alumni chief executives and technology architects of multinationals, government agencies, and flourishing start-ups.

SoC comprises two academic departments and is home to 3,200 students, with a quarter of them pursuing graduate studies. Through a well-rounded curriculum taught by a distinguished faculty, its students are empowered to be innovation drivers who are capable of making the world a better place.

The School inculcates in its students computational thinking and life-long learning skills, equipping them with the right balance of scholarly excellence, professionalism, and soft skills. SoC’s graduates are highly sought after. Leading computing companies such as Facebook, Google, and Microsoft send recruiters to them to recruit for their engineering centers worldwide. SoC’s graduates play a pivotal role in Singapore’s effort to improve productivity and streamline government, and to become a leading center for various industries such as finance, logistics, media, and technology.

The School offers undergraduate degree programmes that are undergirded by strong grounding in the fundamentals of computer science, covering three main areas of specialisation: business, computer engineering, and information security. We also offer graduate degree programmes by coursework or research, with greater intensity in focus within these areas of specialisations.

The curricula are designed according to the recommendations of the Association for Computing Machinery (ACM), the Association for Information Systems (AIS), and the Computer Society of the Institute of Electrical and Electronic Engineers (IEEE), which are the foremost authorities in the field of computing. Consequently, the knowledge units that are to be imparted within the curricula are recognised internationally, the practices instilled are sensitive to industrial development, and the pedagogy espoused adheres to tertiary IT education standards worldwide.

The research initiatives at SoC are supported by a number of research laboratories and centres within the School. Fitted with equipment that is funded mainly by research grants, the laboratories and centres provide a common space for people with similar interests to exchange ideas and work together informally.

The School is governed by the Executive Committee, and operates in consultation with an Industry Advisory Board.
Educational Philosophy

The programmes offered by the Department of Computer Science are founded on a wide variety of disciplines, with the goal of producing computer scientists who can integrate computing-related theories and practices, recognise the importance of abstraction, and appreciate the value of good engineering design.

These programmes seek to prepare students for life-long learning that will enable them to move beyond today’s technology to meet the challenges of the future. Furthermore, they include professional practices as an integral component of the undergraduate curriculum. These practices encompass a wide range of activities including management, ethics and values, written and oral communication, and team work.

The programmes offered by the Department of Information Systems and Analytics are multidisciplinary in nature. In addition to providing students with a strong foundation in computer science, these programmes also give students the benefits of learning from other disciplines, such as business studies and economics. The modules required by these programmes reflect their objectives, which are to train graduates who are able to develop and manage business information systems and who understand how Internet technology can be deployed in business and organisations. Consequently, students are given the wide option of taking less technical, more business-oriented modules offered by the Department as well as the School of Business.

Please refer to: http://www.comp.nus.edu.sg for up-to-date information on the School.