For admission to the 1-year bachelor’s degree, students will be enrolled to one of the departments and choose majors available.

**Bachelor’s Degree**

**Department of Architecture and Civil Engineering**

Architectural Engineering: This major aims at preparing students with the academic background necessary for a professional architect. You will be trained to design, manufacture, coordinate, and supervise construction projects, including architectural design, construction systems, structural engineering, project management, and building systems. You will also gain the conceptual integration between various disciplines within the architectural engineering and also the other trades of the building industry.

Civil Engineering (Civil) (Structural Engineering) (Infrastructure and Transportation)

This major aims at preparing students with a solid foundation in the civil engineering field (Materials and structures, Geotechnical, Environmental, and Transportation Engineering). You will be trained to develop innovative solutions to address the challenges of the future. The department provides a wide range of specializations in the major, which allows students to tailor their education to their specific career interests. You will also gain the conceptual integration between various disciplines within civil engineering and also the other trades of the building industry.Engines (Civil Engineering and Aerospace), or Structural Engineering (Civil Engineering and Environmental Technology).

**Department of Computer Science**

Computer Engineering: This major aims at preparing students with the professional capabilities in computer science and associated fields, including system design, software engineering, and computer networks. You will also gain the conceptual integration between various disciplines within computer science and also the other trades of the building industry.

**Department of Electronic Engineering**

Electronic Engineering: This major aims at preparing students with the professional capabilities in electronic engineering and associated fields, including system design, software engineering, and computer networks. You will also gain the conceptual integration between various disciplines within electronic engineering and also the other trades of the building industry.

**Department of Mechanical and Biomedical Engineering**

**Department of Materials Science and Engineering**

Materials Science and Engineering: This major aims at preparing students with the professional capabilities in materials science and engineering and associated fields, including system design, software engineering, and computer networks. You will also gain the conceptual integration between various disciplines within materials science and engineering and also the other trades of the building industry.

**Department of Physics**

Physics: This major aims at preparing students with the professional capabilities in physics and associated fields, including system design, software engineering, and computer networks. You will also gain the conceptual integration between various disciplines within physics and also the other trades of the building industry.

**Department of Information Engineering**

Information Engineering: This major aims at preparing students with the professional capabilities in information engineering and associated fields, including system design, software engineering, and computer networks. You will also gain the conceptual integration between various disciplines within information engineering and also the other trades of the building industry.

**Department of Systems Engineering and Engineering Management**

Systems Engineering and Engineering Management: This major aims at preparing students with the professional capabilities in systems engineering and engineering management and associated fields, including system design, software engineering, and computer networks. You will also gain the conceptual integration between various disciplines within systems engineering and engineering management and also the other trades of the building industry.

**Department of Computing**

Computing: This major aims at preparing students with the professional capabilities in computing and associated fields, including system design, software engineering, and computer networks. You will also gain the conceptual integration between various disciplines within computing and also the other trades of the building industry.
A Brand New College Experience

The Joint Bachelor’s Degree Program between City University of Hong Kong and Columbia University offers students an international undergraduate educational experience—a program spanning two continents, in cosmopolitan cities that allow students to engage directly with the world around them. The program draws upon elements both traditional and innovative, combining the academic rigor of two world-renowned universities with an attention to the roles that social and cultural traditions play in a student’s intellectual formation.

4-year degree students in eligible majors with outstanding academic performance may apply for the Joint Bachelor’s Degree program.

Mission

The College of Science and Engineering is dedicated to nurturing and developing the talents of students and creating applicable knowledge in order to support social and economic advancement.

World Recognitions

Quacquarelli Symonds (QS) – 2017 World University Rankings

By Faculty

Engineering and Technology 76th

By Subject World Rank

Civil & Structural Engineering Top 50
Architecture Top 100
Computer Science & Information Systems Top 100
Electrical & Electronic Engineering Materials Science

ARWU – 2016 Academic Ranking of World Universities

By Field World Rank

Engineering / Technology and Computer Sciences 24th


By Subject World Rank

Computer Science 9th
Engineering 11th

Top 50
Top 100