Bachelor of Science in Applied Physics  
JUPAS Code: JS1208

Student can select any courses from the following specialized areas:

- Basic Physics
- Biomedical Physics
- Computational Physics
- Lasers and Optics
- Quantum Physics

Professional Career Prospects

- Medical Physicists
- Biomedical Engineers
- Financial Engineers
- Technical Sales
- Education
- Product Certification and Quality Assurance
- Environmental Consultants
- Opportunities in the Public Sector (e.g. the Hong Kong Observatory, the Environmental Protection Department and the Hospital Authority)

For further details about the major structure and other information, please visit our website: [http://www.cityu.edu.hk/phy](http://www.cityu.edu.hk/phy)
Admission Route

HKDSE Students

JUPAS

JUPAS Code: JS1208
BSc - Applied Physics

• Gateway Education Courses
• College/Department Core Courses
• Career Guidance Courses

BSc – Applied Physics (Year 1)

BSc – Applied Physics (Year 2-4)

Scholarships

For further details of entrance requirements and application procedures, please visit the website of our Admissions Office:
http://www.admo.cityu.edu.hk/
WE ENCOURAGE Discoveries and Innovations

Student Exchange
- University of Illinois at Urbana-Champaign, USA
- Umeå University, Sweden
- University College London, UK
- National Taiwan University, Taiwan

Undergraduate Research Attachment Scheme
- Early research exposures as young scientist

Project Exhibition
- Final Year Student Project Exhibition

Study Tour
- Japan
- Singapore

Internship Opportunities
- Besides the internship opportunities offered by the College, PHY offers final year project attachment to medical physics departments in local hospitals.

Internship Opportunities

Student Support Network
- Each new student will be paired with one Academic Advisor and one Student Mentor

Other Activities
- Visiting PCCW MCX10 Data Center
- Visiting HKT Network Operating Centre
- Mainland Enterprise Visit
- Industrial Exposures

Seminars by Prestigious Scholars
- Short Course in Laser by Prof Alain Aspect, the 2010 Wolf Prize Laureate in Physics
- Departmental Seminar by Prof Serge Haroche, the 2012 Nobel Laureate in Physics

Seminars by Prestigious Scholars

Distinguished Final Year Project Awards
- Our high performers in their final year project discoveries, report writing and presentation

We Promote PHY Community

We Promote PHY Community

PHY Annual Symposium
- Celebration of students' and faculties' achievements
- Research Showcase by Students
- Overseas Speakers
Joint Bachelor's Degree Program between CityU and Columbia U

Second year Applied Physics major students (normative 4-year degree) with outstanding academic performance may apply for the Joint Bachelor’s Degree Program between City University of Hong Kong and Columbia University in USA, and obtain degrees from both universities.

To learn more about the Joint Bachelor’s Degree Program, please visit http://gs.columbia.edu/cityu-hk/

Student Highlights

Cheng, Yuanhao
BSc Applied Physics, CityU
Joint Bachelor’s Degree Program between CityU and Columbia University

“Columbia University is a prestigious university. I have had the chance to interact with many brilliant professors and students. Courses at Columbia are very demanding, but also very enlightening. I have spent a great deal of time reading books, understanding materials, and doing homework. By my self-study and through my discussions with professors and students, I have been able to easily learn whatever I want.

A number of libraries are located on campus, and each of them is furnished in a distinctive style. I have greatly enjoyed the time I've spent in each one learning and meeting people.”

Song, Yuan
BSc Applied Physics, CityU
Joint Bachelor’s Degree Program between CityU and Columbia University

“The Joint Bachelor’s Degree Program has allowed me to be engaged in two elite universities in two fascinating cities. Columbia University sees the entire city as its campus. Things that I can do in New York are far beyond my imagination. I've met every actor in the play Sleep No More inside the 5-storey McKittrick Hotel. I've spent weeks in the Metropolitan Museum of Art to admire history. I have shaken hands with the current World Chess Champion, Magnus Carlsen. New York is a place that is full of possibilities, no matter who you are.

All the assignments that I found challenging [at Columbia] were more inclined to theoretical fields, designed to enhance my understanding of physics, which created a balance comparing to those more experimentally-focused courses at CityU. Having resources at both universities available, I became much more confident in the field of physics.”

Wu, Peilin
BSc Applied Physics, CityU
Joint Bachelor’s Degree Program between CityU and Columbia University

“Studying in the Joint Bachelor’s Degree Program was an extremely rewarding journey… both academically and personally. The biggest lesson that I’ve learned was the personal paradigm shift after the expansion of my horizon. Every conversation with a great mind around the campus turned out to be inspiring.

Even though a two-year study [at Columbia] might be a bit short in time, it was well enough to peek through the cultural, social, political and religious differences, and those discrepancies really lifted me out of the normal plane of comprehension in a local perspective and granted me a glimpse of the whole picture.”