

Bachelor of Science in Applied Physics

JUPAS Code: JS1208

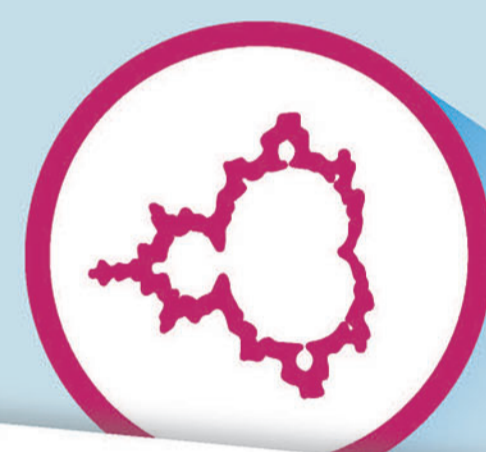
Student can select any courses from the following specialized areas



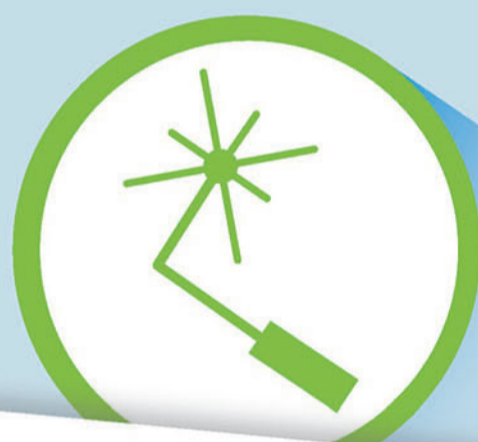
Basic Physics



Biomedical Physics



Computational Physics



Lasers and Optics

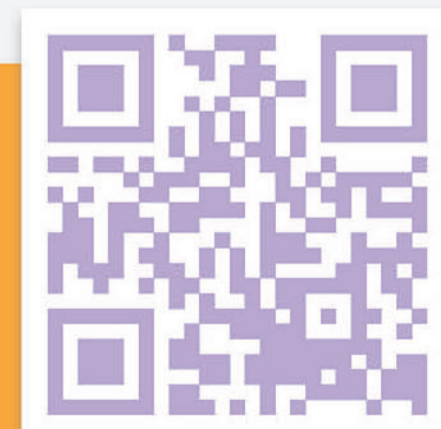


Quantum Physics

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>



Admission Route

HKDSE Students



JUPAS

JUPAS Code: JS1208
BSc - Applied Physics



BSc – Applied Physics (Year 1)

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

BSc – Applied Physics (Year 2-4)

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



Admission Requirements for JUPAS Applicants

JUPAS Catalogue No. and Programme Title	Minimum Level Required					
	English Language	Chinese Language	Mathematics	Liberal Studies	Elective Subjects	
					Elective 1	Elective 2
JS1208 BSc Applied Physics	Level 3	Level 3	Level 2	Level 2	Level 3 in one elective subject from: <ul style="list-style-type: none"> • Chemistry • Combined Science (Biology and Physics) • Combined Science (Chemistry and Physics) • Design and Applied Technology • Physics 	Level 3 in any elective subjects

Scholarships

The Department of Physics Undergraduate Entrance Scholarships

Undergraduate students who are admitted to the Bachelor of Science in Applied Physics program through the JUPAS route with an admission score (non-weighted 4+2) of 26 or above will be automatically considered for the scholarships. Each scholarship awardee will receive up to \$40,000 which is payable in Year 1 and 3.

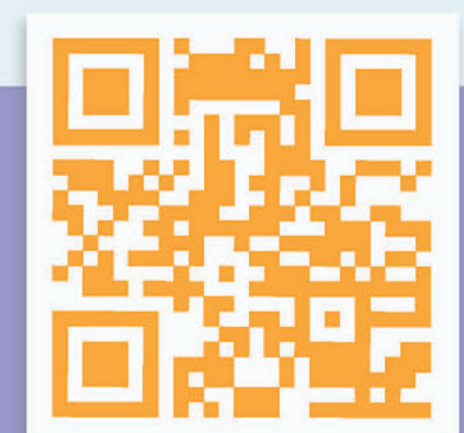
PHY Education Fund Scholarships

In addition to the institutional and external scholarships, PHY Education Fund Scholarships (department-based scholarship) are awarded to undergraduate students with outstanding academic performance and active participation in Departmental service.



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



Department of Physics

香港城市大學
City University of Hong Kong

Student Exchange



University of Illinois at Urbana-Champaign, USA



Umeå University, Sweden



University College London, UK



National Taiwan University, Taiwan

Undergraduate Research Attachment Scheme



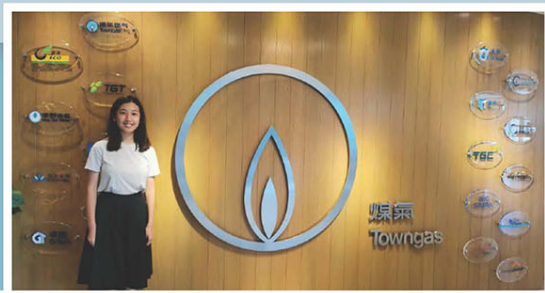
Early research exposures as young scientist



Internship Opportunities



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



Study Tour



Japan

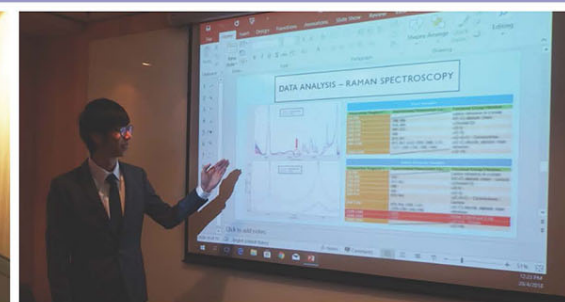


Singapore

Distinguished Final Year Project Awards



Our high performers in their final year project discoveries, report writing and presentation



WE PROMOTE PHY Community

Student Support Network



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



Career Talk



Student Connect - Departmental Tea Gathering



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



Celebration of students' and faculties' achievements



Research Showcase by Students



Overseas Speakers

PHY Annual Symposium

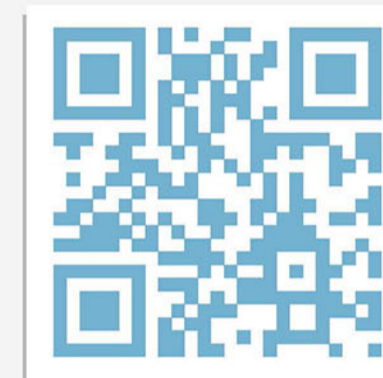


Joint Bachelor's Degree Program between CityU and Columbia U



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/>



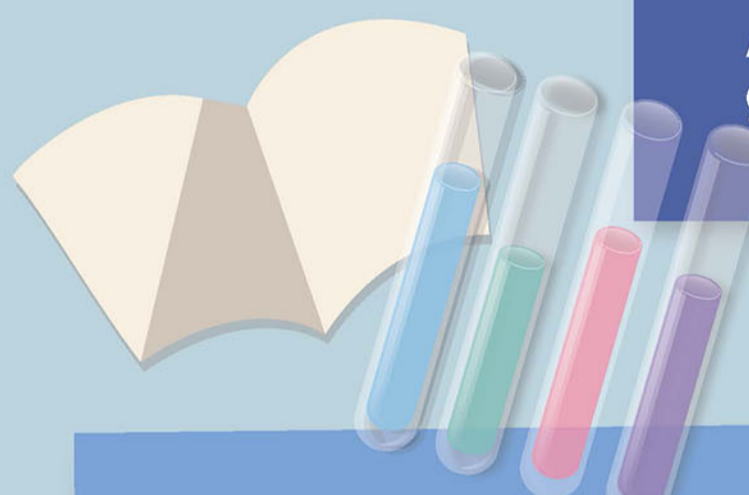
Student Highlights

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."