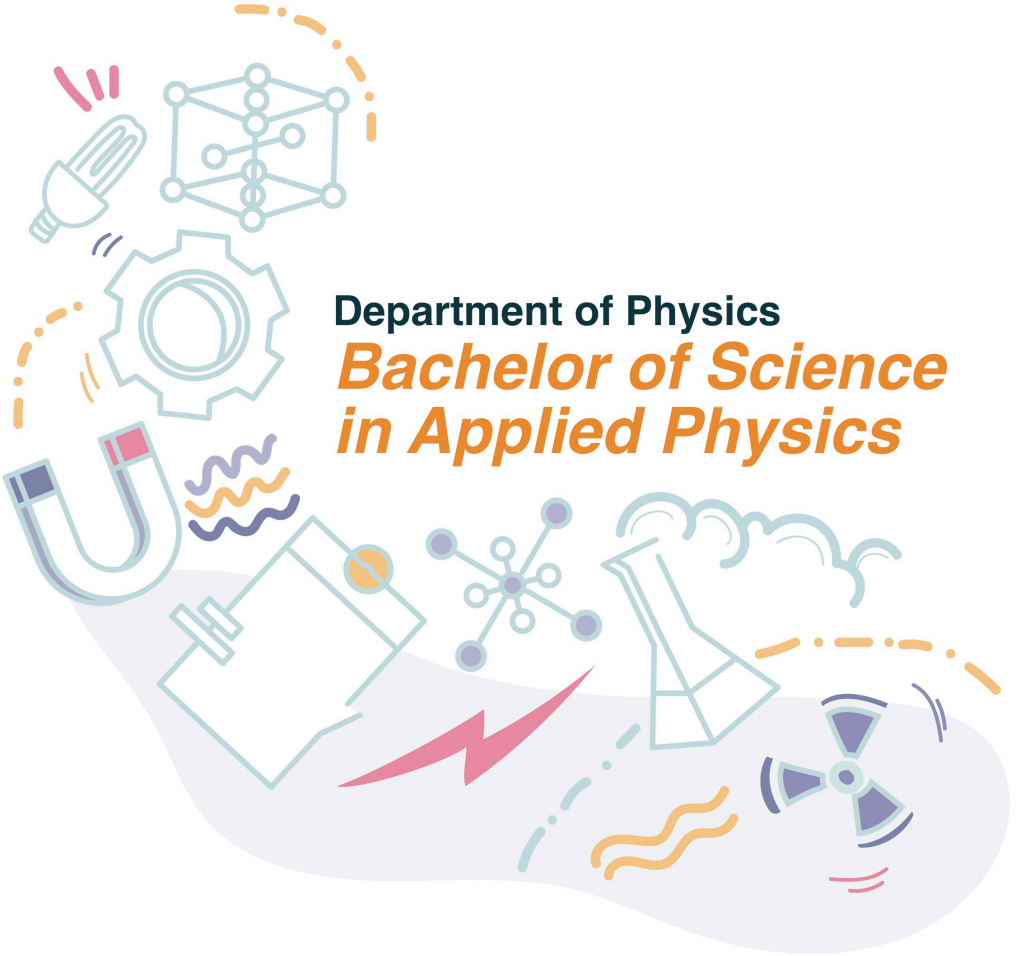




Department of Physics

香港城市大學  
City University of Hong Kong



**Department of Physics**  
***Bachelor of Science***  
***in Applied Physics***

# Bachelor of Science in Applied Physics

*JUPAS Code: JS1208*



The Applied Physics major is not an ordinary Physics major. In Applied Physics, students are taught **biomedical physics, quantum physics, computational physics, and lasers and optics**, paving their way to a diversified careerpath including medicine and health care, education, engineering, commercial and industrial sectors, nuclear radiation facilities or postgraduate study.

Students may take part in the **department-based research attachment scheme**, which provides them early exposure to discovery and innovation. Students of the Applied Physics major who meet certain requirements can apply for admission to the **Joint Bachelor's Degree Program between City University of Hong Kong and Columbia University in USA**. Students admitted to the Joint Degree Program spend their third and fourth years at Columbia University in USA, and earn a BSc degree from CityU and a BA degree from Columbia University.

## *Professional Careers 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)

## *Our Minors*

- Physics
- Photonics

For further details about our programme structure and other information, please visit our website: <http://www.cityu.edu.hk/phy>

# WE ENCOURAGE Discoveries and Innovations

## Student Exchange



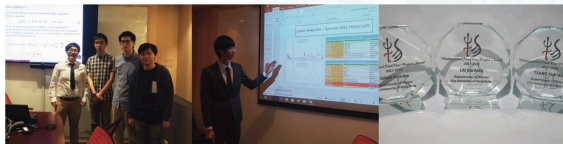
◀ University of Illinois at Urbana-Champaign, USA

▶ Umeå University, Sweden

◀ University of London, UK

▶ National Taiwan University, Taiwan

## 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



◀ Student Connect - Departmental Tea Gathering



◀ Career Talk

## Study Tour

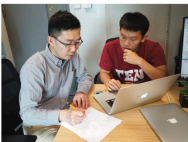


▲ Singapore



▲ Japan

## Undergraduate Research Attachment Scheme



▲ Early research exposures as young scientist



## Internship Opportunities

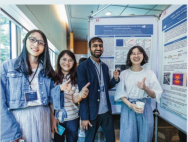


▲ Besides the internship opportunities offered by the College, PHY offers final year project attachment to medical physics departments in local hospitals.

## PHY Annual Symposium



◀ Celebration of students' and faculties' achievements

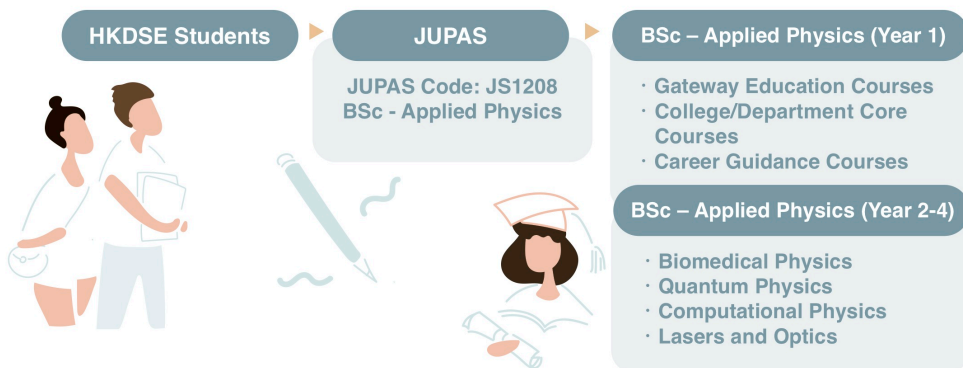


◀ Research Showcase by Students



◀ Overseas Speakers

# Admission Route



## Entrance 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: · Chemistry · Combined Science (Biology and Physics) · Combined Science (Chemistry and Physics) · Design and Applied Technology · Physics	Level 3 in any elective subjects

For further details about entrance requirements and application procedures, please visit the website of our Admissions Office: <http://www.admo.cityu.edu.hk/>

## 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.

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