

Department of Physics

Bachelor of Science in Physics

[Features: Classical Physics / Modern Physics / Experimental and Computational Physics / Medical Physics / Condensed Matter Physics / Global Research Enrichment and Technopreneurship (GREAT)]

JUPAS Code: JS1208 / Non-JUPAS Code: 1208 / Advanced Standing Entries: 1638A

Our programme provides students with rigorous training in **fundamental physics**, and introduces them to various specialized physics-related topics such as **financial engineering, soft matter and biophysics, medical physics, optics, and materials science / solid-state physics**, paving their ways to a diversified career path or further studies.

Apart from the academic curriculum, the Physics Department offers students various research, internship, and exchange opportunities to accelerate their developments:

- **Study Tours** to different universities around the world
- **Frontier Research** with world-leading scholars
- **Industrial Internships** in various companies, institutes, public sectors, and more
- **Student Chapter** to promote students' leadership

WE CARE our students

Every student will have

- ✦ **An Academic Advisor**; and
- ✦ **A Peer Consultant**

Professional Career Prospects

- ✦ Scientific Research & Technological Development Jobs
- ✦ Medical Physicists
- ✦ Financial Analysts
- ✦ Data Scientists
- ✦ STEM Education
- ✦ Product Certification and Quality Assurance
- ✦ Further Studies



For more information, please visit our website: <https://www.cityu.edu.hk/phy>

CityU Talents Programme

Students with outstanding academic performance may apply for the CityU Talents Programme:

Joint Bachelor's Degree Program with Columbia University

The Program offers students an international undergraduate educational experience. Physics 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 at the end of their study.



Years 1 – 2 @ CityU + Years 3 – 4 @ Columbia U → BSc degree from CityU + BA degree from Columbia U



For more information, please visit our website:

<https://www.cityu.edu.hk/phy/undergraduate/JBDP>



Undergraduate plus Taught Postgraduate Degree Programme (BSc Physics + MSc Physics with Data Modelling and Quantum Technologies*)

The Programme aims to nurture elite students through integrated learning. Undergraduate students can benefit from learning research elements normally taught at the postgraduate level. Upon successfully completing the course requirements, students would receive two separate degrees, i.e. a Bachelor of Science in Physics degree and a Master of Science in Physics with Data Modelling and Quantum Technologies* degree, in as short as 4 years.



For more information, please visit our website:

<https://www.cityu.edu.hk/phy/ug-plus-tpg>

BSc Physics (GREAT stream)

[Majors: BSc Physics + Global Research Enrichment and Technopreneurship (GREAT)]

JUPAS Code: JS1200

GREAT aims to nurture students who are interested in pursuing a career in scientific research or starting business ventures that involve the use of new scientific discoveries and innovative technologies.



For more information, please visit the website of College of Science:

<https://www.cityu.edu.hk/csci/academic-programmes/undergraduate-programmes/global-research-enrichment-and-technopreneurship-great>

Remarks:

*Programme title is subject to approval by the University.

**The above-mentioned programmes are options under the CityU Talents Programme currently available for BSc Physics students.

WE ENCOURAGE Discoveries and Innovations

Student Exchange



National University of Singapore, Singapore



Umeå University, Sweden



University College London, UK

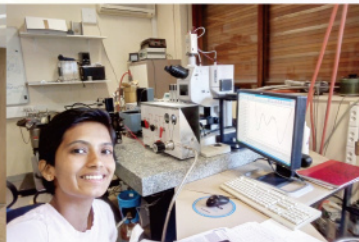


Toronto Metropolitan University

Internship Opportunities



Besides the internship opportunities offered by the College, Physics Department offers internship attachment to medical physics departments in local hospitals.



Study Tour

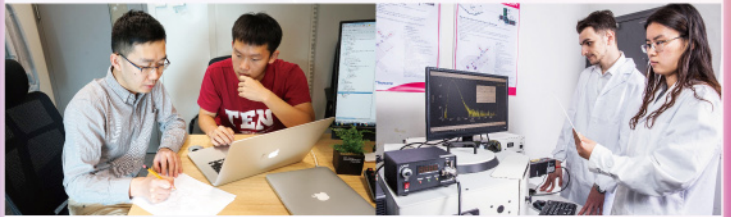


Japan



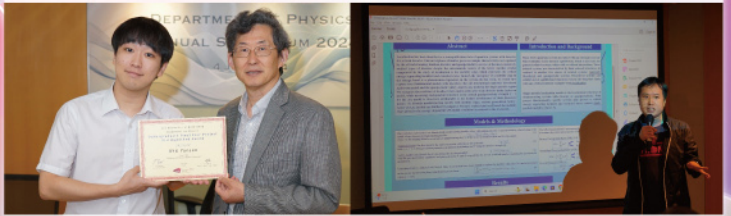
Singapore

Undergraduate Research Attachment Scheme



Early research exposures as a young scientist

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 Peer Consultant



Student Connect – Departmental Tea Gathering



Student Chapter



Career Talk

PHY Annual Symposium



Celebration of students' and faculties' achievements

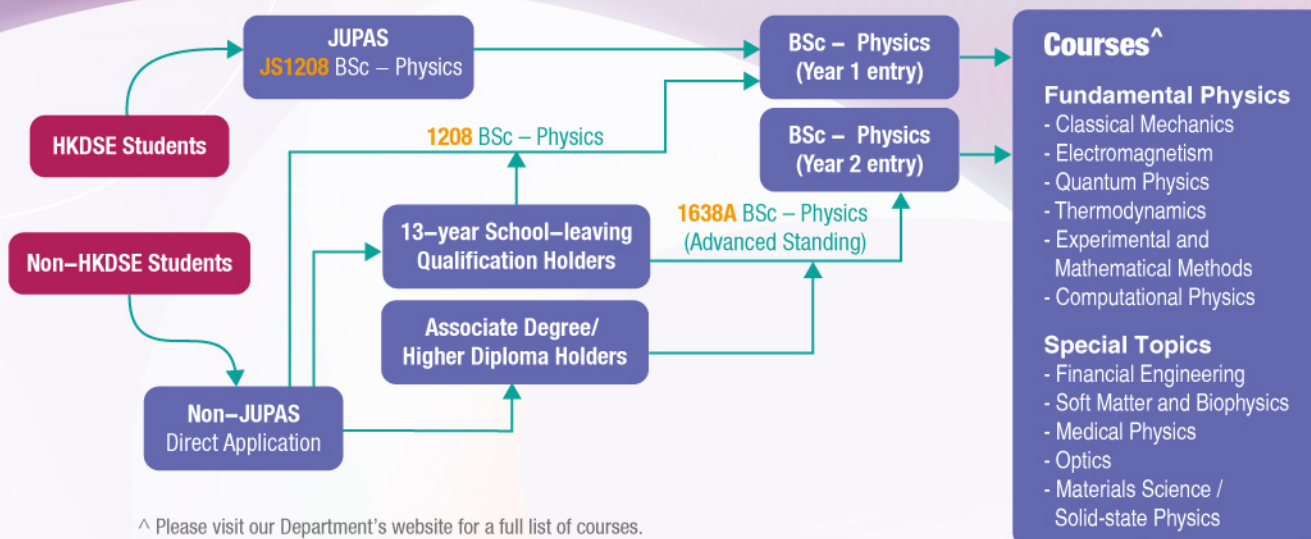


Research Showcase by Students



Overseas Speakers

Admission Route



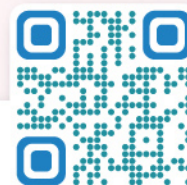
Admission Requirements

- ✓ Satisfy the General Entrance Requirements of the University with a science or engineering background; OR
- ✓ Associate Degree or Higher Diploma Holder in a relevant discipline or other technical qualifications; OR
- ✓ Other 13-year school-leaving qualification holder (e.g. IB Diploma, GCEAL)



For further details about entrance requirements and application procedures, please visit the website of our Admissions Office:

<https://www.cityu.edu.hk/admo>



Scholarships

CityU provides various internal and external scholarships for outstanding students, our departmental scholarships include:

PHY Entrance Scholarships for JUPAS Entrants

Up to HK\$10,000 for students who have placed the BSc Physics program in the Band A of JUPAS choices and have attained 5* or above in any one of the specified subjects.

PHY Education Fund Scholarships

Awarded to students with outstanding academic performance and active participation in the departmental service.

Contact Us

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- Website: <https://www.cityu.edu.hk/phy>



Department of Physics

香港城市大學
City University of Hong Kong

