



Broad Discipline of **Computing**

JUPAS Code: **JS3868**

Unique **common first year** with
three flexible programmes
and minor options

Optional internship to gain up to
32-week work experience
while still graduating in 4 years

Overseas exchange and
international learning opportunities
to enhance global outlook

Leading service-learning programme
to enhance personal development
and social engagement

**Practical industry/technology
workshops** and other learning
activities (e.g. Hackathon)

Envision Future **COMPUTING**
Computing for the **FUTURE**

Why Study Computing with us

Leading university recognised world-wide

We were ranked 49th in the QS World University Rankings by Subject 2016 – Computer Science & Information Systems. Our programmes are recognised as being of top quality by industry employers and graduate schools alike. The employment rate of our recent graduates was over 95% and the average starting salary was attractive.

Unique Broad Discipline of Computing

Our curriculum has a common first year with three flexible programmes. You can choose your preferred programme after the first year of study, and there is no quota limitation. The curriculum is also specially designed for you to take a minor option more easily.

Internship option that improves employability

Our four-year curriculum provides an internship option for students to gain up to 32 weeks of working experience in the second semester of Year 3 plus a summer semester while graduating in four years. Other local and international Work-Integrated Education (WIE) opportunities are also available.

Various exchange programmes and global learning activities

We encourage students to join various credit-bearing exchange programmes at universities in Europe, Asia, the US, Australia and Canada each year. In many cases, financial assistance is provided to students. We also offer many other international learning activities: for example, our students visited top universities such as MIT and NTU (Singapore) for over a month in recent summers.

Practical industry/technology workshops

We are committed to partnering with the industry to nurture our students. For example, through the PolyU-Microsoft Smart Computing Lab, we organise regular industry/technology workshops for students to keep pace with industry development.

Pioneer in service-learning programme

Today's companies care about their social responsibilities and look for students who can demonstrate engagement with society. As a pioneer in this area, we offer a leading service-learning programme that provides a wide range of opportunities in Hong Kong and beyond to provide students with valuable experience.

Award-winning and dedicated teachers

Our teachers / professors have won a UGC Teaching Award, PolyU's President's Awards and other teaching-related awards. Our students have also won over 50 external awards, including the Championship in the Microsoft Imagine Cup Hong Kong Final in both 2016 and 2017.

CARE, our education philosophy, has four pillars: Career, Application, Research and Entrepreneurship. CARE prepares our students to face **C**hallenges in life, not only through quality **A**cademic education but also in terms of **R**ecognition through extra-curricular activities to give them a sense of belonging and the confidence to **E**xcel in life.

Please find out more in this brochure and on our website (www.comp.polyu.edu.hk).

We invite you to join our family!

Programme Structure

Year 1

{Common Fundamental Year}

Same curriculum for all 3 programmes in the first year:

- Computing
- Enterprise Information Systems
- Information Technology

Year 2

{Broadening Year}

Year 3

{Strengthening Year}

Final Year

{Specialisation Year}

Award BSc (Hons) in Computing/
Award BSc (Hons) in Enterprise Information Systems/
Award BSc (Hons) in Information Technology

WIE /
INTERNSHIP
INTERNATIONAL
OPPORTUNITIES

Normal Duration: 4 years

Credit Requirement: Total 120 (plus training credits)

University Requirements: 30 + Discipline-Specific: 78 + Free Electives: 12

Articulation to Taught Postgraduate Programmes and
Research Postgraduate Programmes

Award

MSc in E-Commerce
MSc in Information Systems
MSc in Information Technology
MSc in Software Technology
MPhil/PhD in Computing

BSc (Hons) in Computing

This programme emphasises on applying computing theories and programming methodologies to design and develop fast and smart computing systems and software.

Subject Highlights

- Object-Oriented Programming
- Human-Computer Interaction
- Software Design Principles
- Artificial Intelligence
- Computer Graphics
- Data Mining and Data Warehousing
- Information Retrieval
- Big Data Analytics

Typical Careers

- Software Engineer
- Analyst Programmer
- System Analyst
- Database Administrator
- Software Architect
- Data Scientist



Computing + Science

BSc (Hons) in Enterprise Information Systems



Computing + Business

This programme emphasises on applying computing technologies and enterprise information to develop and manage business solutions.

Subject Highlights

- E-Business
- Business and Information Systems Strategies
- Software Project Management
- IT Entrepreneurship
- Information Systems Audit and Control
- Business Intelligence and Customer Relationship Management
- Computational Finance

Typical Careers

- Management Executive
- Business Analyst
- System Developer
- Project Manager
- Information Systems Manager

BSc (Hons) in Information Technology

This programme emphasises on integrating computing devices, systems and software to design and implement IT architectures for advanced applications.

Subject Highlights

- Computer Networking
- Internet and System Security
- Embedded Software
- Mobile Computing
- Social and Collaborative Computing
- Game Design and Development
- Service and Cloud Computing
- E-Commerce Technology

Typical Careers

- Game Developer
- Mobile Apps Developer
- IT Security Specialist
- IT Architect
- Data Centre Administrator



Computing + Infrastructure

Work-Integrated Education/ Internship

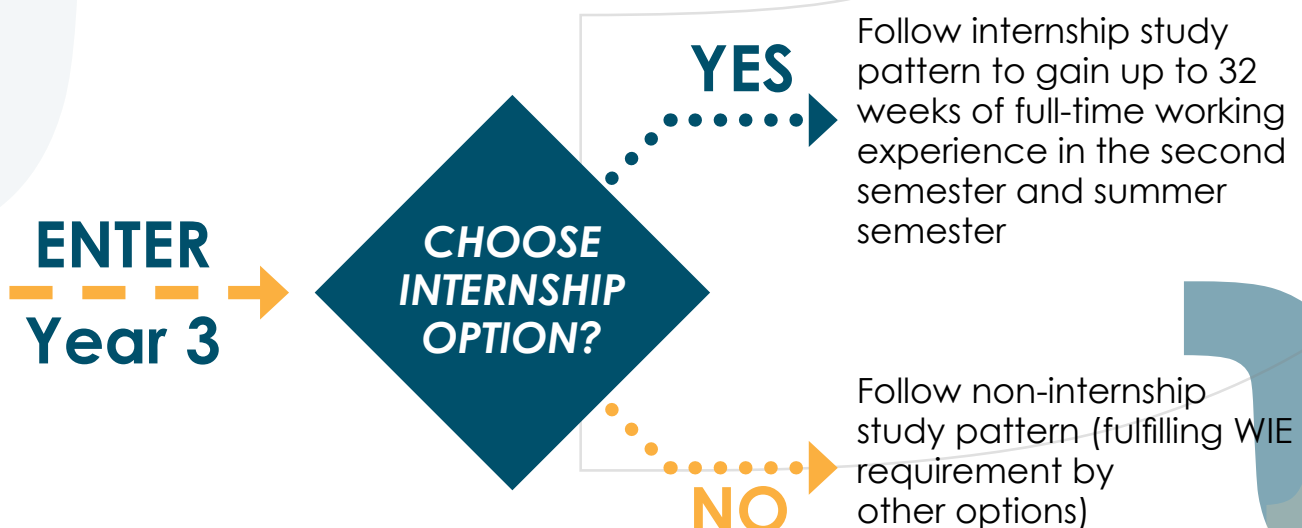
Work-Integrated Education

PolyU was the first tertiary institution in Hong Kong to incorporate a mandatory Work-Integrated Education (WIE) component into the undergraduate curriculum. All full-time undergraduate students are required to complete a mandatory WIE component as part of their curriculum. Our students have gained valuable working experience at international companies and government bodies such as BNP Paribas, Disneyland, the Hong Kong Monetary Authority, Pegasus, Hong Kong Observatory, Hospital Authority, HSBC, IBM, Microsoft and DHL. These opportunities not only enable them to gain real-world experience but also to develop comprehensive and impressive resumes to improve their employability after graduation.



Internship

Our four-year curriculum provides an internship option for students to gain up to 32 weeks of full-time working experience in the second semester of Year 3 plus a summer term while graduating in four years. These internship opportunities are offered by various companies in Hong Kong. Students also have the option to take evening classes during the internship period.



Service- Learning

We believe that education does not confine to merely delivering training to secure good jobs. It is also about nurturing capable and responsible world citizens who are ready to serve and contribute to the society. Here with us, all students have to take a subject in service-learning through which students learn about issues impacting society and then go into the community to serve people through projects.



We pioneer in local and overseas service-learning

We have now been doing service-learning for many years and we foster students' holistic development. We cultivate their sense of social responsibility and prepare them to confront world challenges. We also grow them into open-minded global citizens and culturally competent leaders. We were the first department to have an overseas service-learning project (in Cambodia), and we were also the first department to send students to Myanmar, Rwanda and Kyrgyzstan. We have installed computers and networks, built solar panels, set up community learning centres, and much more.



Extra-Curricular Activities

University education is more than classes and examinations. Students' study lives can be much more fascinating and rewarding with out-of-the-classroom experiences through extra-curricular activities. We provide many opportunities for students to reach their potential and broaden their horizons through participation in interdisciplinary activities and in local, regional and international competitions.



International

Learning Opportunities

Student Exchange Programme

Student exchange can be a life-changing experience. To develop students' global outlooks and broaden their perspectives, we regularly secure exchange programmes for them. Our students spend between two and six months at universities to experience new cultures, expand their visions, make new friends from around the world and develop social skills that will be beneficial to their future career success.



Czech Technical University in Prague, Czech Republic

KONG Yu Ching

"I have participated in various activities held by the International Student Club (ISC), including orientation week, buddy program, language courses, InteGREAT parties and trips. My buddy, Marek, is a Czech guy. He has studied in Beijing for one semester and was interested in Chinese cultures. He is friendly and helps me a lot to integrate my life in Prague."



Technical University of Denmark, Denmark

LIU Ziang

"Denmark is a country full of innovation. There are many startup companies in Denmark. In DTU, there is an organisation that helps students to start their own companies and organises innovation competition for engineering students. These experiences broaden my horizon. Startup may be one of my choices in the future."



Lund University, Sweden

HO Bianca Yan Ting

"During October, workload started to get heavier. So, I stayed in Lund for the whole month to prepare for classes and assignments. After the exams, I visited Prague and Vienna by myself. This experience was great and this trip is still my favourite one because travelling on my own made me strong and independent."



Swinburne University of Technology, Australia

HO Hau Chuen

"I believe that the impact of the exchange experience can reach far beyond the time I spent abroad, which enables me to keep gaining knowledge of a diversity of values and beliefs that I can practise in my real life. For me, the most important thing I have learnt is that never be afraid of trying new things, or you will regret not trying."

Overseas Internship and International WIE

Some of our students undertake internships in overseas countries such as the US, Canada, Germany, Denmark, France, the Netherlands, Switzerland, Poland, Russia, Slovakia, Singapore, Indonesia and Taiwan to broaden their understanding of how the computing and information technology sectors operate. The cross-cultural understanding they develop is critical to their future careers and personal appreciation of this globalised era.



Nanyang Technology University (NTU), Singapore



The Fullerton Hotel Singapore, Singapore



Fixir Private Limited, Singapore



Moscow International Higher Business School, Russia



Technical University of Kosice, Slovakia



TechSociety Private Limited, Singapore



Lenovo Group Limited, China



China Unicom, China



Sohu, China

Other Activities

We also organise other learning activities for students, such as study tours to expand global perspectives, industry/technology workshops to gain valuable insight into industry, and internal competitions (e.g., Hackathon) to enhance programming skills.



Resources and Support

Academic Advising

Academic advising at PolyU aims to help students make informed and intelligent academic decisions about their study at PolyU that suit their intellectual, professional and personal goals. It is instrumental in promoting student success, and it plays a vital role in enhancing students' overall learning experience at PolyU. Students are assigned academic advisors to help them explore their interests, abilities and aspirations regarding their study. Advisors also provide advice and guidance to students that enable them to develop and pursue a study plan for their undergraduate study.

Scholarships

PolyU recognises the academic and non-academic achievements of our students through various types of scholarships, including entry scholarships for prospective students, post-entry scholarships and prizes, scholarships for overseas exchange/internships, talent development scholarships and service-learning scholarships. In addition, PolyU organises the Outstanding Students Award Scheme annually to honour full-time final-year students who excel in both academic and non-academic pursuits during their studies.

Student Development Programmes

PolyU provides various programmes to promote students' life planning and character development, co-curricular leadership development, entrepreneurship development and global awareness development. These training programmes promote students' growth throughout their study life in various forms, such as courses, workshops, seminars, visits, camps and study tours.

- *Mentor in the Peer Mentoring Programme*
- *On-Campus Mentoring Scheme*
- *The Way to Success Workshops & Mentorship Programme*
- *Global Student Ambassador Programme*
- *Project STARS (Student Training for Advancement, Relation & Success)*
- *Entrepreneurship Development*

Counselling and Wellness

The Office of Counselling and Wellness enhances the physical, spiritual and emotional wellness of students by providing proactive and professional wellness promotion programmes such as the Student Counselling Service, Learning Enhancement Programme, Mental Health Caring Project, Sports Development and Wellness in Action.

Residential Life

There are two Student Halls in Hung Hom and Homatin that can accommodate over 4,500 students. PolyU's hall education aims to build a vibrant community that fosters students' holistic growth, teaching them the life skills of critical thinking, integrity of character, effective interpersonal communication, cross-cultural appreciation, community involvement, leadership and international awareness.

Career Prospects

We equip our students not only with IT knowledge but also with practical skills such as critical thinking, effective communication, problem-solving and lifelong learning skills, all of which are beneficial to career development. Most of our young alumni now work in various sectors with good prospects.



Alfred Yuen - 2016 Graduate

Associate Consultant, Microsoft Hong Kong

"PolyU COMP offers 3 programmes for us to choose. This enables us to develop our career broadly in diverse areas such as finance and banking, information technology, engineering, aviation, etc."



Oscar Lok - 2016 Graduate

Programmer, Hospital Authority

"The Hong Kong Government is dedicated to drive innovation and technology. Computing graduates are quickly employed because there is a high demand for IT talents in the market."



Winston Leung - 2013 Graduate

Analyst/Programmer II, Office of the Government Chief Information Officer

"Hong Kong is a knowledge-based economy and IT becomes the backbone of the society. There are many opportunities no matter COMP graduates work in private or public sector or even start own businesses."



Iris Lui - 2013 Graduate

Project Manager, Hewlett Packard Enterprise

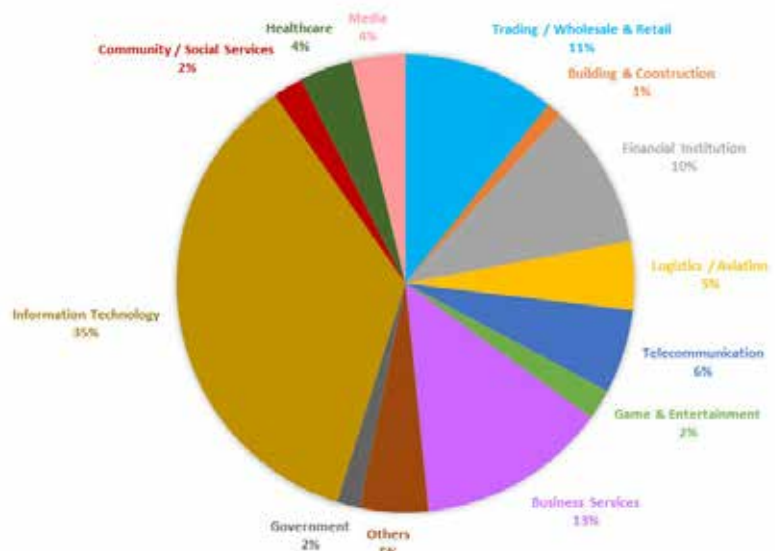
"Everyday I coordinate a team of IT specialists around the world to finish projects. IT is internationalised. Once you acquire the IT knowledge and skills, you can apply in different fields and countries."

With an employment rate after graduation of over 95% and attractive starting salaries, our graduates go on to careers in various sectors, including Information Technology, Finance and Banking, Healthcare, Government, Logistics, Business Services, Telecom, Retail and Entertainment.

List of some companies which had employed our graduates:

- Cathay Pacific Airways Ltd
- Cheung Kong (Holdings) Ltd
- DHL Global Forwarding (Hong Kong) Ltd
- Hewlett-Packard HK SAR Ltd
- HKSAR Government
- Hong Kong Air Cargo Terminals Ltd
- Hong Kong Disneyland
- Hong Kong Exchange and Clearing Ltd
- Hospital Authority
- HSBC
- IBM China/Hong Kong Ltd
- Microsoft Hong Kong Ltd
- MTR Corporation Ltd
- NTT DOCOMO, Inc
- PCCW Ltd
- The Hong Kong Jockey Club

and more ...



Entrance Requirements

We accept students from all backgrounds - arts, science, or business. In fact, many of our most outstanding students have come from non-science backgrounds. Our Broad Discipline of Computing has the same entrance requirements as other programmes in PolyU. They are:

For Entry within HKDSE Qualifications

Four core subjects and two elective subjects with:

- Level 3 - English Language, Chinese Language and two elective subjects (including M1/M2);

AND

- Level 2 - Mathematics and Liberal Studies.

Preferred subjects include English, Mathematics, Extended Modules of Mathematics (M1/M2), Information and Communication Technology (ICT), Physics/Biology/Chemistry (Single or Combined Science), Business, Accounting and Financial Studies (BAFS), and Economics.

Alternative Entry Route

- An appropriate Diploma passed with credit or an appropriate Higher Certificate from a recognised institution;

OR

- An appropriate Associate Degree/Higher Diploma from a recognised institution (suitable candidates will be considered for advanced standing entry to the senior year curriculum);

OR

- Holder of other non-local qualifications (please refer to PolyU's Guidelines on Non-local Qualifications for more details about our general requirements for such qualifications) AND satisfy the English Language Requirement.



Application

1. Via JUPAS
(Joint University Programmes
Admission System):
www.jupas.edu.hk

2. Via Non-JUPAS:
www.polyu.edu.hk/study



PolyU COMP

Visit us for the latest news!

The most updated admission-related information can be found at www.polyu.edu.hk/study.

Contents of this publication are subject to review and change without prior notice.