

BSc in Computing and Information Technology

specialisation in one of the following:

- **Business Applications**
- **Software Development**
- **System and Networks Technology**

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With three innovative and industry-oriented directions

In this digital age, most industries rely on IT programs and applications to survive. Computer science and IT impact and affect everything, from scientific research to healthcare, transport, banking, telecommunications and business sectors. Smart solutions have become part of our daily lives, with devices such as refrigerators, microwaves and even door locks now connected to Wi-Fi networks and being used through personal applications. These rapid technological changes make a Computer Science degree one of the most sought-after qualifications of today and tomorrow. IT jobs are among the most well-paid, ensure almost immediate absorption into the labour market and have high job satisfaction.

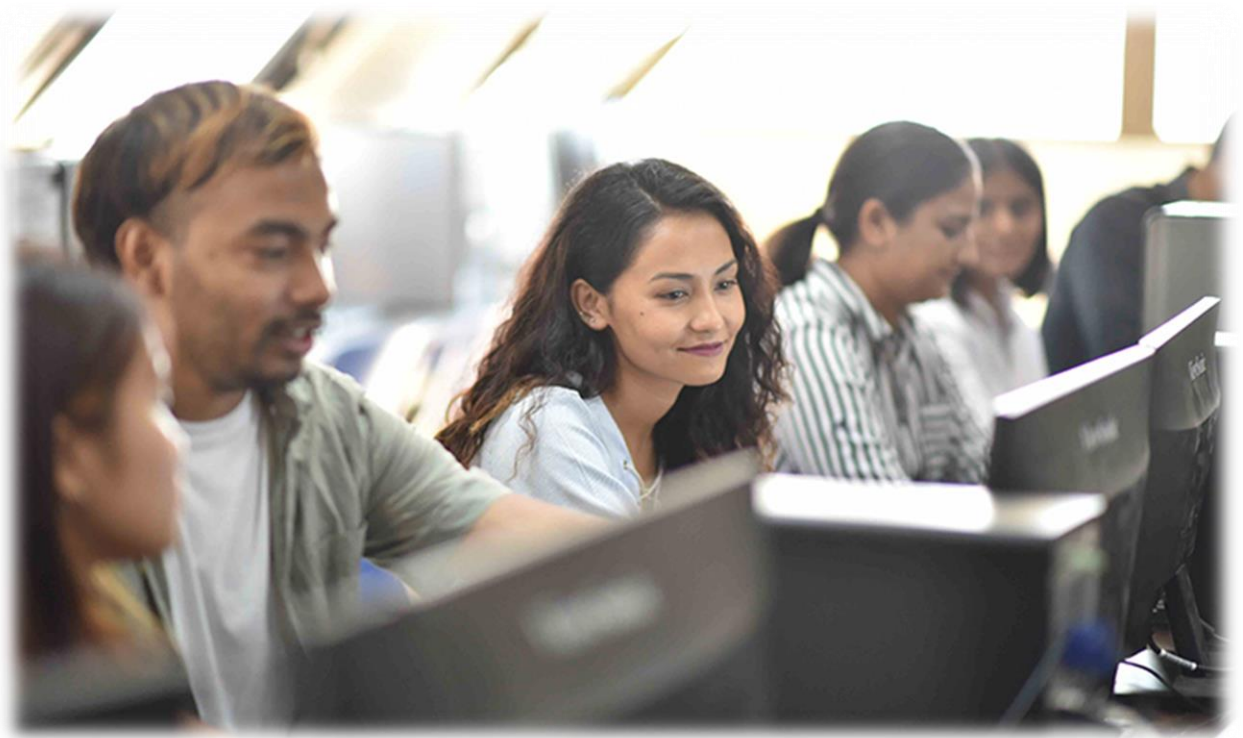


Philips University's specialised BSc degree in Computing and Information Technology is fully accredited by CYQAA, the formal accreditation body of Cyprus. It has three innovative and industry-oriented specialisations which develop technical knowledge and accentuate the skills required for our students to succeed in the working environment of the future, with particular emphasis on complex problem solving, critical thinking, creativity, but also encouraging innovation. Through their studies, students are equipped with knowledge of the latest tools, methodologies, models, techniques and procedures and get to experience their application to real-world problems. They study the design, analysis, development and management of secure software and applications used to solve problems in a multitude of business, scientific and social environments. Our program of study is designed in such a way so that it covers all key topics of information technology and prepares its graduates to be able to cope with the rapid pace of technological development and progress, with the ultimate goal to make them highly competitive in the demanding labour market and emerging trends in information technology.

Keeping up with developments in the industry, our program of study includes a number of purposely-designed courses enabling our students to specialize in Software Development, Business Applications and System and Networks Technologies. The field of computing and information technology has expanded to the point at which it is no longer possible to cover all subjects at appropriate depth in an undergraduate degree program, and so our program is offered with these three pathways to reflect specialisation in a graduate's skills.

These specialisations do not work independently; rather they focus on a number of shared courses and complement each other, with each, however, emphasizing its own niche areas. They are:

- **System and Networks Technologies** – which puts emphasis on networking, network security, internet of things, quantum computing, mobile networks and more
- **Software Development** – which puts emphasis on programming from Java, C++/C#, R, Python, mobile and web applications development, Artificial intelligence and machine learning, data science, data analytics and visualisation, security, cybersecurity, cryptography and more.
- **Business Applications** – which puts emphasis on databases' development, management and administration, big data, analysis, design and management of information systems, software requirements and specifications, business intelligence and leadership, innovation, entrepreneurship and more.



Our greatest asset is our people. Each academic plays an important role in contributing to learning, teaching, research and support across the department to serve students' needs. We employ expert academic staff and a large number of our academics have also previously worked in industry. Our academic staff is also research active in a wide range of computing-related topics.

Our teaching philosophy is focused on the individual's needs, contemporary relevance and preparing students for a changing future. Philips University places great emphasis on an

integrated student-centered approach in order to achieve and fulfil each student's academic, personal and professional goals.

Ensuring that our students are employable is crucial for the University and this is why we invest in enhancing their employment prospects and building their employability skills. Apart from our dedicated Careers Office, employability provision is embedded into our undergraduate curriculum. Industry expert speakers, team building exercises, group coursework, group competitions and hackathons, developing a professional online identity and organisation awareness are some of the elements included in a variety of our courses. Our students are also offered many educational and employment opportunities such as industrial placements, school placements and summer internships to help strengthen their CVs before graduation.



When students study at Philips University they will not only join an outstanding academic community with a strong reputation for success but they will also gain the knowledge, skills and confidence they need to turn their studies into a rewarding career. Graduates of the Philips University BSc in Computing and Information Technology program can pursue employment roles such as Software Developers, Computer Programmers, Systems Analysts, IT Project Managers, Web Developers, Security Analysts, System and Database Administrators, Data Scientists, IT Architects, Network Administrators, Researchers and many more both in the private and public

sectors. Graduates of the program can also further their studies by gaining an MSc degree/MBA or a PhD Degree.



To find out more about earning a BSc in Computing and Information Technology and other programs of study offered here at Philips University visit our website, contact us through social media, through email info@philipsuni.ac.cy or contact us on 22441860.

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