



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Faculty of Engineering, Built Environment and Information Technology

Fakulteit Ingenieurswese, Bou-omgewing en
Inligtingtegnologie / Lefapha la Boetšenere,
Tikologo ya Kago le Theknološi ya Tshedimošo



**Undergraduate Information
Systems Programmes**

Department of Informatics

www.up.ac.za/informatics

Make today matter

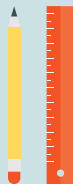
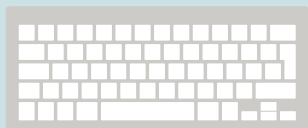


Information Systems

Informatics at a glance

Informatics is a unique qualification that considers Information and Communication Technology (ICT) within a business environment.

Informatics graduates are able to apply their ICT knowledge in a variety of ICT-related career opportunities with a sound foundation of management services.



What do the programmes comprise of?

Students focus on designing, building, implementing and securing information systems to meet the needs of people, organisations and society at large – making life and work easier for all.

Students are encouraged to combine the programme with their own unique insights and interests in real-life environments to make systems work better or even create brand new systems.

What is ICT?

ICTs stand for information and communication technologies and are defined as a diverse set of technological tools and resources used to communicate, and to create, disseminate, store, and manage information.

Our focus is on understanding how ordinary people work with information and computer technologies and to develop practical systems to solve business problems.





What are my subject choices?

The Department offers a well-rounded balance of technical and business focused subjects.

Informatics

Business management

Business ethic

Computer auditing

Information science

e-Business

Entrepreneurship

Geography

Statistics

e-Taxation

Marketing management

Communication management

Financial accounting

Economics

Business law





What are my career opportunities?

- Publisher
- Knowledge Manager
- Information Manager
- Information Specialist
- Database Administrator
- Multimedia Developer
- Business Analyst
- Project Manager
- System Analyst
- Consultant
- Test Analyst
- UX Expert
- BI Analyst
- IT Auditor
- Software Architect
- Network Security
- Web Developer
- System Developer
- Network Analyst
- Data Scientist
- Programmer

Coming in
2020

BIT Information Systems

(Three years)

Students can choose from seven streams of elective modules including:



Computer Auditing, which involves the analysis of an organisation's information technology structure, operations and software programmes.



Information Science develops information scientists who manage the acquisition, supply and distribution of information within an organisation and for making the information accessible to users.



Entrepreneurship with a focus on new venture creation including launching a new company, buying a business or franchise, starting a new venture or enterprise or commercialising technology.



e-Business managers use electronic channels to provide products and services to customers in creative and efficient ways.



The **Geography** stream focuses on careers in Geographical Information Systems to assist organisations with location intelligence information.



Data Science Management is concerned with the planning, collection, processing and analysis of data in order to make informed decisions.



e-Taxation equips student with accounting, statistics, taxation and information systems skills for a career in banking and auditing.

“ To address the severe shortage of IT skills, the Department has developed a new BIT degree with specialisation in Information Systems. ”



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BCom Informatics

(Internationally accredited three-year degree)

The BCom Informatics degree combines the world of information technology (IT) with the business world. As IT develops, it enhances the business environment to do more in less time and provide management information faster and more accurately. IT is the gateway to the international business world, concluding business transactions within seconds.

As part of your degree, you will gain skills in programming, databases, systems analysis and design, IT architecture, managing IT processes in organisations and understanding business and its underlying processes. Your qualification is internationally recognised by industry for its quality and standards.

Your degree opens doors to many of the largest companies in the world, including banks, IT companies and business consulting organisations as a professional systems or business analyst.

Three
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y people for people.





BIT Information Technology

(Four Years)

The BIT degree will prepare you to understand the use of IT in organisations, particularly skills to program on both small and large scale as well as to design and implement IT-solutions for organisations. It also focuses on developing your communication and problem-solving skills, thinking abilities through courses in philosophy, underpinned by quantitative mathematical studies. The final year of study includes a six month learnership with participating organisations as a trainee, ensuring a smooth transition to a professional career after graduation.

The degree was developed with the specific aim of ensuring students have a grounding in all aspects of an IT professional.



The BCom (Informatics) degree is internationally accredited by the international Accreditation Board for Engineering and Technology (ABET).



Computing
Accreditation
Commission



**Department of
Informatics**

For more information on these degree programmes and admission requirements, visit informatics.up.ac.za

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