



# DEPARTMENT OF INFORMATICS

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## KEY RESEARCH IMPACT

EBIT's Department of Informatics focuses on contributing to research on information systems in organisations and education, and on developing contexts. Its research relates to information technology management, information systems in education, ICT for development, human-computer interaction and data science management.

## RESEARCH OPPORTUNITIES

- Information technology management
- Information systems in education
- Information and communication technologies for development (ICT4D)
- Human-computer interaction
- Data science management and applied data science

## RESEARCH PRIDE

### South African National Research Foundation (NRF)-rated researchers

- Prof Alta van der Merwe (C1 NRF-rating)
- Prof Carina de Villiers (C2 NRF-rating)
- Prof Machdel Matthee (C2 NRF-rating)
- Prof Hanlie Smuts (C2 NRF-rating)
- Prof Rennie Naidoo (C3 NRF-rating)
- Prof AURONA Gerber (C3 NRF-rating)
- Prof Marita Turpin (C3 NRF-rating)
- Dr Marie Hattingh (Y2 NRF-rating)
- Dr Riana Steyn (Y2 NRF-rating)
- Dr Tania Prinsloo (Y2 NRF-rating)
- Dr Tendani Mawela (Y2 NRF-rating)

### Accolades for academic programmes

The BCom (Informatics) degree is the only information systems degree in Africa that is accredited with the Computing Accreditation Commission (CAC), operated by the International Accreditation Board for Engineering and Technology (ABET). This gives the Department's graduates international recognition.

Join the University of Pretoria's Faculty of Engineering, Built Environment and Information Technology and join a world-class research institution.



## CAREER PATHWAYS

Modern organisations cannot function without information and the technology with which they gather, store, compute and make available the information. The successful application of technology is, however, more than just writing computer programs. Computer programs are important, but an understanding of the business within which the organisation functions and an understanding of the use of information and information technology to support the objectives of the organisation, are far more important. Informatics graduates are essential to this field.

## POSTGRADUATE DEGREE PROGRAMMES

### BComHons Informatics

With this degree, students will have advanced knowledge, skills and research experience relating to key aspects of information systems, including enterprise architecture, human-computer interaction, disruptive technologies, mobile computing, e-commerce, advanced database systems, knowledge acquisition and sharing, data mining and information systems development. This degree is conferred by the University's Faculty of Economic and Management Sciences.

### BITHons Information Systems

With this degree, students will have advanced knowledge, skills and research experience relating to key aspects of information systems, including enterprise architecture, human-computer interaction, disruptive technologies, mobile computing, e-commerce, advanced database systems, knowledge acquisition and sharing, data mining and information systems development. This degree is conferred by the Faculty of Engineering, Built Environment and Information Technology.

### Postgraduate Diploma in Digital Innovation

With this diploma, students will have knowledge, skills and research experience relating to aspects of digital innovation including, human-computer interaction, disruptive technologies, information communication and ICT for Development. This diploma is conferred by the University's Faculty of Economic and Management Sciences.

### MCom Informatics

This master's degree programme comprises a full dissertation on a selected topic related to the key research areas of the Department. This degree is conferred by the University's Faculty of Economic and Management Sciences.

### MIT Information Systems

This master's degree programme comprises a full dissertation on a selected topic related to the key research areas of the Department. This degree is conferred by the Faculty of Engineering, Built Environment and Information Technology.

### MIT Information Communication Technology Management

Graduates of this degree programme will have the knowledge and skills to manage and lead information and information technology-related activities in an organisation in strategic, operational and project environments. Half of the degree comprises coursework, while the other half comprises a mini-dissertation. This degree is conferred by the Faculty of Engineering, Built Environment and Information Technology.

### Doctoral programmes

PhD Information Systems ■ PhD Information Technology

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Built Environment and  
Information Technology

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Inligtingtegnologie / Lefapha la Boetsenere,  
Tikologo ya Kago le Theknolotši ya Tshedimošo

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