BComHons Informatics (07240173)

Department	Informatics
Minimum duration of study	1 year
Total credits	120
NQF level	08

Admission requirements

1. Relevant BCom degree with Information Technology, Informatics or Information Systems at final-year level
2. Weighted average of at least 60% for Information Technology or Informatics or Information Systems at final-year level

Other programme-specific information

NB: The department reserves the right not to present a module if the particular expertise is not available in the department in that year.

Examinations and pass requirements

In calculating marks, General Regulation G12.2 applies.
Subject to the provisions of General Regulation G.26, a head of a department determines, in consultation with the Dean

• when the honours examinations in his/her department will take place, provided that:

1. honours examinations which do not take place before the end of the academic year, must take place no later than 18 January of the following year, and all examination results must be submitted to the Student Administration by 25 January; and
2. honours examinations which do not take place before the end of the first semester, may take place no later than 15 July, and all examination results must be submitted to the Student Administration on or before 18 July.

There are no supplementary examinations in this programme.

A pass mark is required for the following modules before applying for BComHons: FRK 111 (Financial Accounting), EKN 110 (Economics), STK 110 (Statistics) and OBS 114 (Business Management).

NB: Full details are published in each department's postgraduate information brochure, which is available from the head of department concerned. The minimum pass mark for a research report is 50%. The provisions regarding pass requirements for dissertations contained in General Regulation G.12.2 apply mutatis mutandis to research reports.

Subject to the provisions of General Regulation G.12.2.1.3, the subminimum required in subdivisions of modules

is published in the study guides, which is available from the head of department concerned.

Curriculum: Final year

Minimum credits: 120

Core modules

Research report 780 (INF 780)

Module credits	30.00
NQF Level	08
Contact time	1 other contact session per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Year

Module content

A research paper on a topic from the field of informatics.

Elective modules

Capita selecta 713 (INF 713)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 web-based period per week, 8 lectures per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

This module will be used to present special, relevant topics within the expertise of the department.

Enterprise architecture 715 (INF 715)

Module credits	15.00
NQF Level	08
Prerequisites	INF 788
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

Enterprise Architecture (EA) involves comprehensive business frameworks that capture the complexity of modern organisations, providing a blue-print for co-ordinating and integrating all components of an organisation. The module will illustrate all the aspects of EA, discuss the need for EA as well as various frameworks, methods and techniques of EA.

Capita selecta 716 (INF 716)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

This module will be used to present special, relevant topics within the expertise of the department.

Data warehousing 785 (INF 785)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 other contact session per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

- Advanced database design
- Advanced database management
- Database architectures and languages
- Data warehousing and data marts
- Current trends

Management of ICT projects 787 (INF 787)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.

Contact time	1 lecture per week, 1 other contact session per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

Main emphasis will be on IS project management using a case study to get practical experience in project management.

Information systems development 788 (INF 788)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

Study and evaluation of different systems development methodologies.

Human-computer interaction 790 (INF 790)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

This module will be used to present special, relevant topics within the expertise of the department.

Applied data science 791 (INF 791)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.

Contact time	1 lecture per week, 1 other contact session per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

In this information age a lot of data is captured every day and recorded in databases, but the wealth of this data is kept locked in the databases because relatively little mining is performed on this data. This module introduces you to data mining in terms of:
- The data mining process - how do you mine data?
- The data mining techniques - an overview of the data mining techniques that can be used;
- Practical data mining experience - a practical project mining real industry data to find unknown patterns; and
- Product overviews - product demonstrations by data mining   vendors.

Management of information systems 794 (INF 794)

Module credits	15.00
NQF Level	08
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 web-based period per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 or Semester 2

Module content

Business process management; ERP systems; IT trends.