



University of Pretoria Yearbook 2021

BCom Informatics Information Systems (07130173)

Department Informatics

Minimum duration of study 3 years

Total credits 412

NQF level 07

Programme information

Informatics studies the application and use of the computer and information systems within the organisation. Our students' strength lies in their broad background of the economic and management sciences, which implies that the world of business is nothing sinister to them. The use of information technology by organisations is growing exponentially and new, more complex and challenging applications are explored and developed on a daily basis. It has the benefit that, in addition to the work of informatics specialists being extremely interesting, there will only be a very small chance that they will ever be without work.

The Informatics specialist has the knowledge to analyse the information needs of organisations, be that businesses, government departments, non-profit organisations or any other group where information is crucial. They not only analyse the needs but then address those needs by designing and implementing information systems. Information systems nowadays refer to computer-based systems (including mobile applications) which store and manipulate data such that people can understand, use, interpret and make decisions based on the information.

The BCom (Informatics) programme at UP is the only degree in South Africa that is internationally accredited by the Accreditation Board for Engineering and Technology (ABET) of the USA.

Admission requirements

- The closing date is an administrative admission guideline for non-selection programmes. Once a non-selection programme is full and has reached the institutional targets, then that programme will be closed for further admissions, irrespective of the closing date. However, if the institutional targets have not been met by the closing date, then that programme will remain open for admissions until the institutional targets are met.
- The following persons will be considered for admission: Candidates who are in possession of a certificate that is deemed by the University to be equivalent to the National Senior Certificate (NSC) with admission to bachelor's degree studies; candidates who are graduates from other tertiary institutions or have been granted the status of graduates of such institutions; and candidates who are graduates of another faculty at the University of Pretoria.
- Life Orientation is excluded when calculating the APS.

Transferring students

Candidates previously registered for the BCom – Extended programme

The Admissions Committee of the faculty considers applications of candidates who were previously registered for

the BCom — Extended programme according to specific guidelines as stipulated in the Transfer Guide of the Faculty of Economic and Management Sciences as published on the EMS Faculty website.

Candidates previously registered at UP or at another university

The Admissions Committee of the faculty considers applications of candidates who have already completed the final NSC or equivalent qualification and/or were previously registered at UP or at another university according to specific guidelines as stipulated in the Transfer Guide of the Faculty of Economic and Management Sciences as published on the EMS Faculty website. A complete academic record, as well as the final school leaving results, are required for such applications.

NB: Candidates who are still registered at another university must submit an academic record of their studies to the faculty as soon as possible after their final examinations. The closing date for these applications is **30 September**.

Qualifications from countries other than South Africa

- Citizens from countries other than South Africa and South African citizens with foreign qualifications must comply with all the other admission requirements and the prerequisites for subjects/modules.
- In addition to meeting the admission requirements, it may be expected from candidates to write the SAT, if required.
- Candidates must have completed the National Senior Certificate with admission to degree studies or a certificate of conditional exemption on the basis of a candidate's foreign qualifications, the so-called "Immigrant" or "Foreign Conditional Exemption". The only condition for the "Foreign Conditional Exemption" that is accepted is: 'completion of the degree course'. The exemption certificate is obtainable from Universities South Africa (USAf). Detailed information is available on the website at [click here](#)

University of Pretoria website: [click here](#)

Minimum requirements

Achievement level

English Home Language or English First Additional Language

NSC/IEB
5

AS Level
C

Mathematics

NSC/IEB
4

AS Level
D

APS

30

* Cambridge A level candidates who obtained at least a D and International Baccalaureate (IB) HL candidates who obtained at least a 4 in the required subjects, will be considered for admission.

Note: Accountancy is not a subject requirement for any of the BCom or BAdmin programmes.

Other programme-specific information

Please note:

- Elective modules can only be taken if they can be accommodated in the class, test and examination timetables. At year-level two students select two 14-week modules or the equivalent (at least 32 credits) of the same subject and continue with this subject on year-level three by selecting two 14-week modules or the equivalent (at least 40 credits).

Promotion to next study year

According to General Regulation G.3 students have to comply with certain requirements as set by the Faculty

Board.

- a. A student must pass at least 4 core semester or 2 core year modules to be admitted to the subsequent year of study.
- b. If a student has passed less than the required minimum of 4 core semester or 2 core year modules, he/she will not be readmitted to the Faculty of Economic and Management Sciences. Such a student may apply in writing to the Faculty's Admissions Committee to be readmitted conditionally – with the proviso that the Admissions Committee may set further conditions with regards to the student's academic progress. The Faculty's Admissions Committee may deny a student's application for readmission.
- c. If a student has been readmitted conditionally, his/her academic progress will be monitored after the first semester examinations to determine whether he/she has complied with the requirements set by the Admissions Committee. If not, his/her studies will be suspended.
- d. A student whose studies have been suspended because of his/her poor academic performance has the right to appeal against the decision of the Faculty's Admissions Committee.
- e. A student may be refused promotion to a subsequent year of study if the prescribed tuition fees are not paid.
- f. A student may be refused admission to the examination, or promotion to a subsequent year of study or promotion in a module (if applicable) if he/ she fails to fulfil the attendance requirements. Class attendance in all modules and for the full duration of all programmes is compulsory for all students.

Pass with distinction

- a. A degree may be awarded with distinction provided the candidate meets the following criteria:
 - i. Completes the degree within three years;
 - ii. Obtains a Cumulative Grade Point Average (CGPA) of 75%;
 - iii. Repeated passed modules will not be considered. The initial pass mark of module will be used when calculating the GPA.
- b. A degree will only be awarded with distinction to transferees from other degrees in the Faculty of Economic and Management Sciences, other faculties and from other universities who still complete their bachelor degrees within three years (including the years registered for the other degree and credits transferred and recognised).
- c. The GPA will be not be rounded up to a whole number.
- d. Exceptional cases will be considered by the Dean.



Curriculum: Year 1

Minimum credits: 165

Students who obtained at least a symbol 5 (60-69%) in Mathematics in the final NSC (or equivalent) will be admitted to STK 110 and STK 120; all other students must first pass Statistics 113 and 123. STK 110 will be credited but STK 120 still needs to be passed.

Core modules

- Academic information management 111 (AIM 111) - Credits: 4.00
- Academic information management 121 (AIM 121) - Credits: 4.00
- Academic literacy for Information Technology 121 (ALL 121) - Credits: 6.00
- Economics 110 (EKN 110) - Credits: 10.00
- Economics 120 (EKN 120) - Credits: 10.00
- Financial accounting 111 (FRK 111) - Credits: 10.00
- Financial accounting 121 (FRK 121) - Credits: 12.00
- Financial accounting 122 (FRK 122) - Credits: 12.00
- Informatics 112 (INF 112) - Credits: 10.00
- Information systems 113 (INF 113) - Credits: 10.00
- Informatics 154 (INF 154) - Credits: 10.00
- Informatics 164 (INF 164) - Credits: 10.00
- Informatics 171 (INF 171) - Credits: 20.00
- Informatics 183 (INF 183) - Credits: 3.00
- Business management 114 (OBS 114) - Credits: 10.00
- Business management 124 (OBS 124) - Credits: 10.00
- Statistics 122 (STC 122) - Credits: 13.00
- Statistics 110 (STK 110) - Credits: 13.00
- Statistics 113 (STK 113) - Credits: 11.00
- Statistics 120 (STK 120) - Credits: 13.00
- Statistics 123 (STK 123) - Credits: 12.00
- Academic orientation 107 (UPO 107) - Credits: 0.00

Elective modules

- Marketing management 120 (BEM 120) - Credits: 10.00



Curriculum: Year 2

Minimum credits: 147

Core modules

- Business law 210 (BER 210) - Credits: 16.00
- Business law 220 (BER 220) - Credits: 16.00
- Informatics 214 (INF 214) - Credits: 14.00
- Informatics 225 (INF 225) - Credits: 14.00
- Informatics 261 (INF 261) - Credits: 7.00
- Informatics 271 (INF 271) - Credits: 14.00
- Informatics 272 (INF 272) - Credits: 14.00
- Community-based project 201 (JCP 201) - Credits: 8.00
- Applications in data science 212 (WST 212) - Credits: 12.00

Elective modules

- Business accounting 200 (BAC 200) - Credits: 32.00
- Taxation 200 (BEL 200) - Credits: 32.00
- Consumer behaviour 212 (BEM 212) - Credits: 16.00
- Integrated marketing communications 224 (BEM 224) - Credits: 16.00
- Financial management 212 (FBS 212) - Credits: 16.00
- Financial management 222 (FBS 222) - Credits: 16.00
- Internal auditing 200 (IAU 200) - Credits: 32.00
- Business management 210 (OBS 210) - Credits: 16.00
- Business management 220 (OBS 220) - Credits: 16.00
- Statistics 210 (STK 210) - Credits: 20.00
- Statistics 220 (STK 220) - Credits: 20.00



Curriculum: Final year

Minimum credits: 120

Core modules

Informatics 315 (INF 315) - Credits: 15.00

Informatics 324 (INF 324) - Credits: 15.00

Informatics 354 (INF 354) - Credits: 15.00

Informatics 370 (INF 370) - Credits: 35.00

Elective modules

Business accounting 300 (BAC 300) - Credits: 40.00

Taxation 300 (BEL 300) - Credits: 40.00

Marketing research 314 (BEM 314) - Credits: 20.00

Marketing management 321 (BEM 321) - Credits: 20.00

Internal auditing 300 (IAU 300) - Credits: 40.00

Business management 310 (OBS 310) - Credits: 20.00

Business management 330 (OBS 330) - Credits: 20.00

Statistics 310 (STK 310) - Credits: 25.00

The science of data analytics 353 (STK 353) - Credits: 25.00

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.