



# University of Pretoria Yearbook 2022

## BCom (Informatics) Information Systems (07130173)

**Department** Informatics

**Minimum duration of study** 3 years

**Total credits** 435

**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

#### Important information for all prospective students for 2022

- The admission requirements apply to students who apply for admission to the University of Pretoria with a **National Senior Certificate (NSC) and Independent Examination Board (IEB) qualifications.**
- **Applicants with qualifications other than the abovementioned** should refer to:
  - **Brochure:** Undergraduate Programme Information 2022: Qualifications other than the NSC and IEB, available at [click here](#).
- **Citizens from countries other than South Africa (applicants who are not South African citizens)** should also refer to:
  - **Brochure:** Newcomer's Guide 2021, available at [click here](#).
  - **Website:** [click here](#).
- **School of Tomorrow (SOT), Accelerated Christian Education (ACE) and General Education**

**Development Test (GED):** The University of Pretoria no longer accepts qualifications awarded by these institutions.

- **National Certificate (Vocational) (NCV) Level 4:** The University of Pretoria may consider NCV candidates, provided they meet the exemption for bachelor's status criteria and the programme requirements.

### Transferring students

A transferring student is a student who, at the time of application for a degree programme at the University of Pretoria (UP) –

- is a registered student at another tertiary institution, **or** was previously registered at another tertiary institution and did not complete the programme enrolled for at that institution, and is not currently enrolled at a tertiary institution, **or** has completed studies at another tertiary institution, but is not currently enrolled at a tertiary institution, **or** has started with tertiary studies at UP, then moved to another tertiary institution and wants to be readmitted at UP.

A transferring student will be considered for admission based on

- an NSC or equivalent qualification with exemption to bachelor's or diploma studies (whichever is applicable); **and** meeting the minimum faculty-specific subject requirements at NSC or tertiary level; **or** having completed a higher certificate at a tertiary institution with faculty-specific subjects/modules passed (equal to or more than 50%), as well as complying with faculty rules on admission;
- previous academic performance (must have passed all modules registered for up to the closing date of application ) or as per faculty regulation/promotion requirements;
- a certificate of good conduct.

**Note:** Students who have been dismissed at the previous institution due to poor academic performance, will not be considered for admission to UP.

### Returning students

A returning student is a student who, at the time of application for a degree programme –

- is a registered student at UP, and wants to transfer to another degree at UP, **or** was previously registered at UP and did not complete the programme enrolled for, and did not enrol at another tertiary institution in the meantime (including students who applied for leave of absence), **or** has completed studies at UP, but is not currently enrolled or was not enrolled at another tertiary institution after graduation.

A returning student will be considered for admission based on

- an NSC or equivalent qualification with exemption to bachelor's or diploma studies (whichever is applicable); **and** meeting the minimum faculty-specific subject requirements at NSC or tertiary level; **or** previous academic performance (should have a cumulative weighted average of at least 50% for the programme enrolled for);
- having applied for and was granted leave of absence.

**Note:** Students who have been excluded/dismissed from a faculty due to poor academic performance may be considered for admission to another programme at UP. The Admissions Committee may consider such students if they were not dismissed more than twice. Only ONE transfer between UP faculties will be allowed, and a maximum of two (2) transfers within a faculty.

### Important faculty-specific information on undergraduate programmes for 2022

- 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 have a certificate that is deemed by



the University to be equivalent to the required National Senior Certificate (NSC) with university endorsement; candidates who are graduates from another tertiary institution or have been granted the status of a graduate of such an institution, and candidates who are graduates of another faculty at the University of Pretoria.

- Life Orientation is excluded when calculating the APS.
- All modules will be presented in English, as English is the language of tuition, communication and correspondence.

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

### Minimum requirements

#### Achievement level

#### English Home Language or English First Additional Language

#### Mathematics

#### APS

NSC/IEB

NSC/IEB

5

4

30

## 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 Academic Regulation G3 students have to comply with certain requirements as set by the Faculty Board.*

1. In order to register for the next year of study a student must pass at least 60% of the official credits listed for a year level of study for a three-year programme.
2. A student will be deemed to be in the second, third or a more senior year once he or she enrolls for any module in any of these levels of study.
3. If a student has passed less than the required minimum of at least 60% of the official credits listed for a year level, he/she will not be readmitted to the Faculty of Economic and Management Sciences. Such a student may apply in writing to the EMS Appeals Committee to be readmitted conditionally – with the proviso that the Appeals Committee may set further conditions with regard to the student's academic progress. The Committee may deny a student's application for readmission.
4. 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 EMS Appeals Committee. If not, his/her studies will be suspended.
5. A student whose studies have been suspended because of his/her poor academic performance has the right to appeal against the decision of the EMS Faculty Appeals Committee.
6. 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.



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## 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.

## General information

### **Application of amended programme regulations**

Refer to General Academic Regulation G5.



## 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



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## Curriculum: Year 2

**Minimum credits: 150**

### 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

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



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## 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

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The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.