



# University of Pretoria Yearbook 2022

## BIT (Information Systems) (12133300)

**Department** Informatics

**Minimum duration of study** 3 years

**Total credits** 379

**NQF level** 07

### 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.
- Grade 11 results are used for the conditional admission of prospective students.
- A valid qualification with admission to degree studies is required.
- Minimum subject and achievement requirements, as set out below, are required.
- 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**



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## Promotion to next study year

### Refer also to General Academic Regulation G4.

- a. A student must pass all the modules of the first year of study, before he or she is permitted to register for any module of the third year of study. Module prerequisites remain applicable. Exceptions to this rule will be considered by the relevant head of department and the Dean.
- b. A new first-year student, who has failed in all the prescribed modules of the programme at the end of the first semester, will not be permitted to proceed to the second semester in the School of Information Technology.
- c. A student who has not passed at least 70% of the credits of the current year of study after the November examinations will not be re-admitted to the School of Information Technology.
- d. Students who fail a module for a second time, forfeit the privilege of registering for any modules of an advanced year of study.
- e. Students whose academic progress is not acceptable can be suspended from further studies. Refer to the following important regulation: G4 and/or regulations as they appear for the applicable programmes.
- f. A student who is excluded from further studies in terms of the stipulations of the above-mentioned regulations will be notified in writing by the Dean or admissions committee at the end of the relevant semester.
- g. A student who has been excluded from further studies may apply in writing to the admissions committee of the School of Information Technology for readmission on or before 12 January.
- h. Should the student be readmitted by the admissions committee, strict conditions will be set which the student must comply with in order to proceed with studies.
- i. Should the student not be readmitted to further studies by the admissions committee, he/she will be informed in writing.
- j. Students who are not readmitted by the admissions committee have the right to appeal to the Senate Committee for Admission, Evaluation and Academic Support.
- k. Any decision taken by the Senate Committee for Admission, Evaluation and Academic Support is final.

## Pass with distinction

A degree (undergraduate) in the School of IT is conferred with distinction on a student who did not repeat any module of his/her final year, obtained a weighted average of at least 75% (not rounded) in all the prescribed modules for the final year, provided that a subminimum of 65% is obtained in each of these modules and provided that the degree is completed in the prescribed minimum period of time. Ad hoc cases will be considered by the Dean, in consultation with the relevant head of department.



## Curriculum: Year 1

**Minimum credits: 136**

### Additional information:

In addition to all the compulsory core modules, students choose one elective stream and register for the electives indicated per stream:

**Computer Auditing:** FRK 111, FRK 121, STK 110, STK 120 and INF 183

**Information Science:** INL 110, INL 120 and INL 140

**Entrepreneurship:** FRK 111, FRK 122, STK 110, STK 120 and INF 183

**eBusiness:** FRK 111, FRK 122, STK 110, STK 120 and INF 183

**Geography:** BME 120, GGY, 156 and GMC 110

**eTaxation:** FRK 111, FRK 121, STK 110, STK 120 and INF 183

**Data Science Management:** EKN 110, EKN 120, STK 110 and STC 122

## Fundamental 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

[Academic orientation 112](#) (UPO 112) - Credits: 0.00

## Core modules

[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

[Business management 114](#) (OBS 114) - Credits: 10.00

[Business management 124](#) (OBS 124) - Credits: 10.00

## Elective modules

[Biometry 120](#) (BME 120) - Credits: 16.00

[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

[Aspects of human geography 156](#) (GGY 156) - Credits: 8.00

[Cartography 110](#) (GMC 110) - Credits: 10.00

[Informatics 183](#) (INF 183) - Credits: 3.00

[Information science 110](#) (INL 110) - Credits: 12.00

[Information science 120](#) (INL 120) - Credits: 12.00

[Information science 140](#) (INL 140) - Credits: 12.00

[Statistics 122](#) (STC 122) - Credits: 13.00

[Statistics 110](#) (STK 110) - Credits: 13.00

[Statistics 120](#) (STK 120) - Credits: 13.00





## Curriculum: Year 2

**Minimum credits: 121**

### Additional information:

In addition to all the compulsory core modules, students continue with the elective stream registered for in the first year and registers for the electives indicated per stream:

**Computer Auditing:** BAC 200, IOK 211 and IOK 221

**Information Science:** INL 210, INL 220 and INL 260

**Entrepreneurship:** OBS 210, OBS 220 and OBS 211

**eBusiness:** OBS 211, OBS 212, OBS 214

**Geography:** GGY 283, GIS 220 and GMA 220

**eTaxation:** BAC 200 and BEL 200

**Data Science Management:** STK 210, STK 220 and WST 212

## Fundamental modules

[Community-based project 202](#) (JCP 202) - Credits: 8.00

## Core modules

[Introduction to moral and political philosophy 251](#) (FIL 251) - Credits: 10.00

[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

## Elective modules

[Business accounting 200](#) (BAC 200) - Credits: 32.00

[Taxation 200](#) (BEL 200) - Credits: 32.00

[Introductory geographic information systems 283](#) (GGY 283) - Credits: 14.00

[Geographic data analysis 220](#) (GIS 220) - Credits: 14.00

[Remote sensing 220](#) (GMA 220) - Credits: 14.00

[Information science 210](#) (INL 210) - Credits: 16.00

[Information science 220](#) (INL 220) - Credits: 16.00

[Information science 260](#) (INL 260) - Credits: 16.00

[Internal auditing 211](#) (IOK 211) - Credits: 16.00

[Internal auditing 221](#) (IOK 221) - Credits: 16.00

[Business management 210](#) (OBS 210) - Credits: 16.00

[Design thinking and business innovation 211](#) (OBS 211) - Credits: 16.00

[Business creation 212](#) (OBS 212) - Credits: 10.00

[Responsible management 214](#) (OBS 214) - Credits: 10.00

[Business management 220](#) (OBS 220) - Credits: 16.00

[Statistics 210](#) (STK 210) - Credits: 20.00

[Statistics 220](#) (STK 220) - Credits: 20.00

[Applications in data science 212](#) (WST 212) - Credits: 12.00



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## Curriculum: Final year

**Minimum credits: 120**

**Additional information:**

In addition to all the compulsory core modules, students continue with the elective stream registered for in the first and second years and registers for the electives indicated per stream:

**Computer Auditing:** IOK 311 and IOK 321

**Information Science:** INL 310 and INL 320

**Entrepreneurship:** OBS 310 and OBS 330

**eBusiness:** OBS 359 and OBS 370

**Geography:** GIS 310 and GIS 320

**eTaxation:** BEL 300

**Data Science Management:** STK 310 and STK 353

### 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

[Taxation 300](#) (BEL 300) - Credits: 40.00

[Geographic information systems 310](#) (GIS 310) - Credits: 22.00

[Spatial analysis 320](#) (GIS 320) - Credits: 22.00

[Information science 310](#) (INL 310) - Credits: 20.00

[Information science 320](#) (INL 320) - Credits: 20.00

[Internal auditing 311](#) (IOK 311) - Credits: 20.00

[Internal auditing 321](#) (IOK 321) - Credits: 20.00

[Business management 310](#) (OBS 310) - Credits: 20.00

[Business management 330](#) (OBS 330) - Credits: 20.00

[International business management 359](#) (OBS 359) - Credits: 20.00

[Business analytics 370](#) (OBS 370) - 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.