University of Pretoria Yearbook 2021

BIT Information Systems (12133300)

Department	Informatics
Minimum duration of study	3 years
Total credits	377
NQF level	07

Programme information

Candidates
The degree is awarded upon successful completion of a minimum of 377 credits, of which 136 are required at first-year level, 121 at second-year level, and 120 at third-year level.

Admission requirements

- The closing date is an administrative admission guideline for non-selection programmes. Once a non-selection programme is fulland 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 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 lectures at the University of Pretoria are presented in English only.

Transferring students

Candidates previously registered for the BSc – Extended programme

The Admissions Committee of the faculty considers applications of candidates who were previously registered for the BSc – Extended programme, on grounds of their NSC results as well as academic merit. Such students will only be considered for the four-year programme if they have passed all the prescribed modules and obtained a minimum of 65% in the Mathematics, Physics and Chemistry modules, respectively.

Candidates previously registered at UP or at another university

The faculty’s Admissions Committee considers applications of candidates who have already completed the final NSC examination and/or were previously registered at UP or at another university, on grounds of their NSC results as well as academic merit. Candidates who were dismissed from other faculties or universities will not be

considered.

Candidates previously registered at a teacher's college or university of technology

The faculty's Admissions Committee considers the application of these candidates on the grounds of their NSC results as well as academic merit.

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 **TOEFL, IELTS or 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		**Mathematics**		**APS**
NSC/IEB	AS Level	NSC/IEB	AS Level	
5	C	4	D	**30**

* Cambridge A level candidates who obtained at least a D in the required subjects, will be considered for admission.

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

Additional requirements

Also consult the G Regulations.

i. A student is promoted to the following year of study after obtaining the required credits as mentioned below:
- Second year of study after obtaining at least 70% of the credits of the first year of study.
- Third year of study after obtaining at least 70% of the credits of the second year of study.

ii. The degree is conferred if all the prescribed modules have been passed.

Promotion to next study year

Also consult the G Regulations.

i. A student is promoted to the following year of study after obtaining the required credits as mentioned below:

- Second year of study after obtaining at least 70% of the credits of the first year of study.
- Third year of study after obtaining at least 70% of the credits of the second year of study.

ii. The degree is conferred if all the prescribed modules have been passed.

Curriculum: Year 1

Minimum credits: 136

Choose one elective stream from: Computer Auditing, Information Science, Entrepreneurship, E-Business, Geography, Data Science Management and e-Taxation.

Please note: If FRK is selected as an elective, INF 183 has to be taken as well.

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 130 (INL 130) - 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

Choose one elective stream from: Computer Auditing, Information Science, Entrepreneurship, E-Business, Geography, Data Science Management and e-Taxation.

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: 20.00
Information science 220 (INL 220) - Credits: 20.00
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

Curriculum: Final year

Minimum credits: 120

Choose one elective stream from: Computer Auditing, Information Science, Entrepreneurship, E-Business, Geography, Data Science Management and e-Taxation.

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: Information organisation 310 (INL 310) - Credits: 30.00
Information science: Information and knowledge management 320 (INL 320) - Credits: 30.00
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

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.