Bachelor of Information Science *Multimedia* [BIS] (12131013)

Department	Information Science
Minimum duration of study	3 years
Total credits	401
NQF level	07

Programme information

Modern information technology offers the possibility of information products being designed and created from various types of media over and above the traditional text medium. Information technology therefore results in the convergence of various previously separate traditional media. The Multimedia qualification in the Department of Information Science addresses this development. Multimedia documents include text, graphics, sound, video and animation. Any type of institution in all economic spheres, including government, may profit from a multimedia approach to information design, organisation and retrieval.

The purpose of this qualification is to enable students to understand the necessary concepts to build and maintain multimedia products. This programme is therefore a combination of theory and practice and addresses the latest technological trends including current web development frameworks, game design, and interaction design.

Admission requirements

Important information for all prospective students for 2024

The admission requirements below apply to all who apply for admission to the University of Pretoria with a **National Senior Certificate (NSC) and Independent Examination Board (IEB) qualifications. Click here** for this Faculty Brochure.

Minimum requirements Achievement level		
English Home Language or English First Additional Language	**Mathematics**	**APS**
NSC/IEB 4	NSC/IEB 5	**30**

The suggested second-choice programmes for BIS (Multimedia) are BIS (Information Science), BIS (Publishing), BSc (Information and Knowledge Systems) and BCom (Informatics).

Life Orientation is excluded when calculating the APS.

Applicants currently in Grade 12 must apply with their final Grade 11 (or equivalent) results.

Applicants who have completed Grade 12 must apply with their final NSC or equivalent qualification results.

Please note that meeting the minimum academic requirements does not guarantee admission.

Successful candidates will be notified once admitted or conditionally admitted.

Unsuccessful candidates will be notified after 30 June.

Applicants should check their application status regularly on the UP Student Portal at click here.

Applicants with qualifications other than the abovementioned should refer to the Brochure: Undergraduate Programme Information 2024: Qualifications other than the NSC and IEB, available at click here.

International students: Click here.

Transferring students

A transferring student is a student who, at the time of applying at the University of Pretoria (UP) is/was a registered student at another tertiary institution. A transferring student will be considered for admission based on NSC or equivalent qualification and previous academic performance. Students who have been dismissed from other institutions due to poor academic performance will not be considered for admission to UP.

Closing dates: Same as above.

Returning students

A returning student is a student who, at the time of application for a degree programme is/was a registered student at UP, and wants to transfer to another degree at UP. A returning student will be considered for admission based on NSC or equivalent qualification and previous academic performance.

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, as per faculty-specific requirements.
- Only ONE transfer between UP faculties and TWO transfers within a faculty will be allowed.
- Admission of returning students will always depend on the faculty concerned and the availability of space in the programmes for which they apply.

Closing date for applications from returning students

Unless capacity allows for an extension of the closing date, applications from returning students must be submitted before the end of August via your UP Student Centre.

Other programme-specific information

Apart from the option to continue with BIS Multimedia (Honours), students may choose to apply for BScHons (Computer Science) if they have adhered to the admission requirements for that degree.

Please Note:

The semester in which these modules are offered may vary from year to year.

Students who wish to continue with a BScHons (CS) should consult the Computer Science department for the correct admission requirements to the degree. COS 301 and three COS electives are compulsory admission requirements for BScHons (CS).

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: 132

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

Program design: Introduction 110 (COS 110) - Credits: 16.00
Operating systems 122 (COS 122) - Credits: 16.00
Imperative programming 132 (COS 132) - Credits: 16.00
Introduction to computer science 151 (COS 151) - Credits: 8.00
Introduction to web technologies 110 (IMY 110) - Credits: 12.00
Digital authoring tools 120 (IMY 120) - Credits: 12.00
Information science 110 (INL 110) - Credits: 12.00
Information science 120 (INL 120) - Credits: 12.00
Visual design (1) 102 (VIO 102) - Credits: 16.00

Curriculum: Year 2

Minimum credits: 148

Fundamental modules

Community-based project 202 (JCP 202) - Credits: 8.00

Core modules

Data structures and algorithms 212 (COS 212) - Credits: 16.00
Software modelling 214 (COS 214) - Credits: 16.00
Netcentric computer systems 216 (COS 216) - Credits: 16.00
Concurrent systems 226 (COS 226) - Credits: 16.00
Computer organisation and architecture 284 (COS 284) - Credits: 16.00
Advanced web technologies 1 210 (IMY 210) - Credits: 12.00
Interactive technology theory 211 (IMY 211) - Credits: 12.00
Advanced web technologies 2 220 (IMY 220) - Credits: 12.00
Visual design (2) 202 (VIO 202) - Credits: 24.00

Curriculum: Final year

Minimum credits: 121

Students must complete 2 elective modules from the list provided. The total number of credits for elective modules must be 36-45.

Core modules
Multimedia: Project 300 (IMY 300) - Credits: 35.00
Human-computer interaction 310 (IMY 310) - Credits: 25.00
Multimedia 320 (IMY 320) - Credits: 25.00

Elective modules
Software engineering 301 (COS 301) - Credits: 27.00
Artificial intelligence 314 (COS 314) - Credits: 18.00
Database systems 326 (COS 326) - Credits: 18.00
Computer security and ethics 330 (COS 330) - Credits: 18.00
Computer networks 332 (COS 332) - Credits: 18.00
Programming languages 333 (COS 333) - Credits: 18.00
Compiler construction 341 (COS 341) - Credits: 18.00
Computer graphics 344 (COS 344) - Credits: 18.00

General Academic Regulations and Student Rules
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. The G Regulations are updated annually and may be amended after the publication of this information.

Regulations, degree requirements and information
The faculty regulations, information on and requirements for the degrees published here are subject to change and may be amended after the publication of this information.

University of Pretoria Programme Qualification Mix (PQM) verification project
The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQSF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to

contact their faculties if they have any questions.