



Make today matter



### What does the programme entail?

Students who enrol for this programme study the application and use of computer and information systems in organisations. The use of information technology by organisations is growing exponentially and new, more complex and challenging applications are being explored and developed all the time.

Informatics specialists are trained to analyse business problems experienced by organisations and to improve the efficiency, effectiveness and control of business processes for commercial organisations, government, government departments, non-profit organisations or any other organisation where information is crucial. They therefore not only analyse the business needs, but also address them by designing and implementing information systems.

Nowadays the term information systems is used to refer to computer-based systems (including mobile applications) that store and manipulate data so that people can understand and interpret information and use it for decision-making.



### What makes this programme unique?

What makes the Informatics degree at the University of Pretoria unique is the Capstone Project, which is a working software solution for a real-life client. Implementing this software solution exposes students to the industry's need for graduates with both soft skills and technical skills.



### Who are the ideal candidates?

The ideal candidate should have:

- analytical skills;
- excellent research skills;
- problem-solving skills;
- communication skills; and
- the ability to work in a team.

### Minimum admission requirements

Programme	Minimum requirements for NSC/IEB for 2026		
	Achievement level		APS
SCHOOL OF INFORMATION TECHNOLOGY	English Home Language or English First Additional Language	Mathematics	
<b>Bachelor of Information Technology in Information Systems</b> [3 years]	5	5	30

The suggested second-choice programme for Bachelor of Information Technology in Information Systems is Bachelor of Information Science.



### Career opportunities

The work environment of the informatics specialist is particularly interesting and well-qualified informatics specialists can choose between many excellent job opportunities, for example:

- Business analyst
- System analyst
- Data scientist
- Knowledge manager
- Quality assurance tester
- User experience designer
- Project manager
- Developer (front end, back end or full stack)
- IT auditor
- IT entrepreneur
- IT tax specialist
- e-business consultant



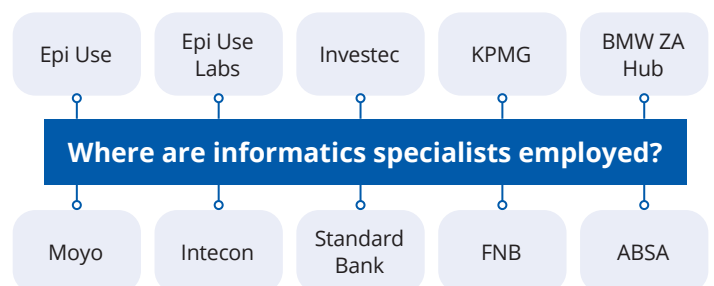
### Structure of the programme

The Bachelor of Information Technology in Information Systems programme takes a minimum of three years to complete.

#### Core modules

- Critical thinking and problem solving
- Programming
- Systems analysis and design
- Database design and development
- Team skills development

Elective modules are dependent on the chosen stream.





UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

## Faculty of Engineering, Built Environment and Information Technology

Fakulteit Ingenieurswese, Bou-omgewing en  
Inligtingtegnologie / Lefapha la Boetšenere,  
Tikologo ya Kago le Theknolotši ya Tshedimošo

Minimum requirements for  
applicants with a school  
leaving certificate not issued  
by Umalusi (South Africa)



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Refer to the International undergraduate prospectus at [www.up.ac.za/programmes](http://www.up.ac.za/programmes) > Undergraduate > Admission Information or [click here](#) for more information.

- The closing date for applications for programmes in this faculty is 30 June.
- Meeting the minimum admission requirements does not guarantee admission into a programme.

FACULTY OF ENGINEERING, BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY  Programmes	Minimum requirements for 2026									
	Achievement level									
	Compulsory subjects	GCSE #		HIGCSE NSSC HL	AS Level	A Level	IB		KOMBI ABITUR	KCSE
		The qualifications in the two columns below will be considered only for conditional admission. If final AS and/or A levels have been completed, these two columns will not apply. It can also not be used for final admission and/ or registration.			GCE CIE NSSC AS	GCE CIE CGCE UACE WAEC ZGCE	IB SL	IB HL		
		CIE	UK							
IGCSE LGCSE BGCSE EGCSE  O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE		England Wales Northern Ireland Pearson Edexcel GCSE								
Bachelor of Science in Architecture	English Mathematics Physics	C D D	4 3 3	3 3 3	C D D	E E E	4 2 2	3 2 2	60-69% 50-59% 50-59%	B C+ C+
Bachelor of Town and Regional Planning	English Mathematics	C D	4 3	3 3	C D	E E	4 2	3 2	60-69% 50-59%	B C+
Bachelor of Science in Construction Management	English Mathematics Physics Chemistry (or Accounting*)	C C D	4 4 3	3 3 3	C C D	E E E	4 4 2	3 3 2	60-69% 60-69% 50-59%	B B C+
Bachelor of Science in Real Estate		D	3	3	D	E	2	2	50-59%	C+
Bachelor of Science in Quantity Surveying		D	3	3	D	E	2	2	50-59%	C+
Bachelor of Engineering in Industrial Engineering	English Mathematics Physics Chemistry	C B B B B B B B B	4 5 5 5 5 5 5 5 5	3 2 2 2 2 2 2 2 2	C B B B B B B B B	E D D D D D D D D	4 5 5 5 5 5 5 5 5	3 4 4 4 4 4 4 4 4	60-69% 70-79% 70-79% 70-79% 70-79% 70-79% 70-79% 70-79% 70-79%	B B+ B+ B+ B+ B+ B+ B+ B+
Bachelor of Engineering in Chemical Engineering										
Bachelor of Engineering in Civil Engineering										
Bachelor of Engineering in Electrical Engineering										
Bachelor of Engineering in Electronic Engineering										
Bachelor of Engineering in Mechanical Engineering										
Bachelor of Engineering in Metallurgical Engineering										
Bachelor of Engineering in Mining Engineering										
Bachelor of Engineering in Computer Engineering										

# Only English with at least a C symbol on this level can be used for final admission.

\* Offer both PHYSICS and CHEMISTRY, or ACCOUNTING only





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		CIE	UK							
IGCSE LGCSE BGCSE EGCSE  O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE		England Wales Northern Ireland Pearson Edexcel GCSE								
Bachelor of Information Technology in Information Systems	English Mathematics	C C	4 4	3 3	C C	E E	4 4	3 3	60-69% 60-69%	B B
Bachelor of Information Science	English	D	3	3	D	E	3	2	50-59%	C+
Bachelor of Information Science specialising in Publishing	English	C	4	3	C	E	4	3	60-69%	B
Bachelor of Information Science specialising in Multimedia**	English Mathematics	D C	3 4	3 3	D C	E E	3 4	2 3	50-59% 60-69%	C+ B
Bachelor of Science in Computer Science	English Mathematics	C B	4 5	3 2	C B	E D	4 5	3 4	60-69% 70-79%	B B+
Bachelor of Science in Information Technology in Information and Knowledge Systems	English Mathematics	D B	3 5	3 2	D B	E D	3 5	3 4	50-59% 70-79%	C+ B+
Bachelor of Engineering This is a 5-year programme in all Engineering disciplines. <i>Previously called ENGAGE</i>	English Mathematics Physics Chemistry	C C C C	4 4 4 4	3 3 3 3	C C C C	E E E E	4 4 4 4	3 3 3 3	60-69% 65% 65% 65%	B B B B

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\*\*Possible name change to: Bachelor of Information Science specialising in Interactive Technology

