

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

Bachelor of Science in Architecture



Make today matter

About the Department

The Department of Architecture presents an undergraduate programme in architecture that explores the design of meaningful environments across varying scales, from intimate interior spaces to more significant interventions in landscapes. Specialised programmes in architecture, interior architecture and landscape architecture are introduced at the postgraduate level.

Our vision is to provide a learning environment that fosters critical and independent thinking, encourages social-ecological accountability and inspires responsive and responsible problemsolving that contributes to the improvement of society and its environment. We engage with spatial design with academic rigour that is theoretically grounded and technologically informed, and our academic programmes are locally and internationally accredited.



What does the programme entail?

The curriculum for the Bachelor of Science in Architecture programme integrates knowledge from the humanities and the natural sciences to develop students' spatial design skills, and aims to instil a culture of lifelong learning in graduates.

Design and Applied Theory

Architecture students attain half of the credits for every year of study in the significant module of design, which is presented in tandem with architectural theory to equip students with a pertinent vocabulary and theoretical underpinning.

Design is a studio-based module in which projects over a range of scales and complexities are undertaken to encourage students to develop critical and independent design thinking, the ability to evaluate design within a social, cultural and ecological framework, and to explore imaginative and appropriate solutions.

In the studio, design discernment is fostered through ongoing discussion, peer learning, and formal and informal assessment. The Department promotes design that is responsive and evidencebased rather than stylistically or iconically driven, and students are encouraged to appreciate the universal (global), while engaging with the particular (local).



History of the Environment

History of the Environment prepares students to define their role in society and find meaning in history through the study of the self and the cultures of others. It investigates the context and meaning of cultural artefacts, including space and place, to relate form and order to the environmental, political and philosophical conditions that influenced their making. It culminates in a reading of southern Africa in the third year of study.



Earth Studies Earth Studies



introduce students to ecosystemic accountability and systems thinking to guide them towards designing for wellbeing in the built environment from social, cultural and environmental points of view. It includes ecological themes that extend to approaches that underpin and inform inclusive, ecological, passive and responsive design.

Community and Practice

Students participate in collaborative community projects that are directed by our research and initiatives in urban citizenship, as well as the Faculty's community engagement module. In the third year of study, the focus turns to the management of a professional practice and the legal context of construction contract law.



construction theory, materials and methods is presented as an extension of design to enable the designer to give tangible expression to built form and realisation of an architectural concept.

Design

Students attend classes in the following subject streams:

Communication Design Communication offers students the opportunity to develop skills in harnessing especially the digital tools that are essential to designers in the twentyfirst century. It deals with visual communication, digital visualisation and representation, and the management of document and building information.



Theory of Structures



Theory of Structures equips students with the theoretical knowledge and practical understanding required to analyse, plan and design critical structural components such as beams, columns and trusses from a structural engineering perspective, using timber, steel, concrete and other materials.



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Bachelor of Science in Architecture

(continued)







Career opportunities

The Bachelor of Science in Architecture degree is accredited by the South African Council for the Architectural Professions and allows graduates to enter professional practice as technologists. To be able to register as a candidate architect, landscape architect or interior architect, they need to complete two additional professional postgraduate programmes. Note that the Department requires at least one year of work or travel before postgraduate studies are undertaken. Through a commitment to innovation and internationally recognised programmes, the Department maintains professional qualifications of a high standard. The graduates of the Department are highly regarded both locally and abroad, in academia as well as in practice.

Architects design spaces and buildings to satisfy our daily needs and improve the environment in which we live. They need abilities and skills that range from the practical to the artistic, and from the technical to the theoretical. As professionals, they conceptualise, design and document building projects and oversee quality control during construction. Architects are ethically and legally bound through institutes and a government-controlled council, which protects the interests of the public. Architects may manage their own practices or work for other – often multidisciplinary – firms, or can make contributions to the government sector and education.

The majority of our graduates work in professional practice, often in multidisciplinary firms. Still, there is a wide range of other possibilities that branch out from the spatial design disciplines: from furniture to urban design, ecological planning to entrepreneurship, as well as in research and advisory positions in the public and private sector.

Admission by selection

A limited number of students are admitted to the Department annually. Admission is determined by a four-part selection process explicitly developed to level the playing field between students coming from different educational and cultural backgrounds.

Please refer to <u>www.up.ac/architecture</u> for information on the selection requirements and process.



Important dates

Applications open on **1 April** and close on **30 June**.

Undergraduate	Minimum duration	Outcome (SACAP registration)					
Bachelor of Science in Architecture	Three years (full-time, studio-based)	Candidate Architectural Technologist					
At least one year of work or travel recommended before postgraduate studies are undertaken.							

Professional Postgraduate	Minimum duration	Outcome
Bachelor of Architecture Honours	One year (full-time, studio-based)	Candidate Senior Architectural Technologist
Bachelor of Landscape Architecture Honours	One year (full-time, studio-based)	Candidate Senior Landscape Architectural Technologist
Bachelor of Interior Architecture Honours	One year (full-time, studio-based)	Candidate Senior Interior Designer
Master of Architecture	One year (full-time, studio-based)	Candidate Architect
Master of Landscape Architecture	One year (full-time, studio-based)	Candidate Landscape Architect
Master of Interior Architecture	One year (full-time, studio-based)	Candidate Interior Architect

Minimum admission requirements

Duogramma	Minimum requirements for NSC/IEB for 2026						
Programme	Achievement level						
SCHOOL FOR THE BUILT ENVIRONMENT	English Home Language or English First Additional Language	Mathematics	Physical Sciences	APS			
Bachelor of Science in Architecture [3 years]	5	4	4	30			

Will only be considered as first study choice. Selection programme: Selection includes an interview.

Contact information Dr Nico Botes (Coordinator: Undergraduate Programme in Architecture) | **Tel** +27 (0)12 420 4600 | **Email** arch@up.ac.za **Websites** www.up.ac.za/architecture | www.up.ac.za/school-for-the-built-environment | www.up.ac.za/ebit-postgraduate **Academic enquiries: Prospective students** | **Email** arch@up.ac.za | **Website** www.up.ac.za/architecture



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)





Refer to the International undergraduate prospectus at 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.

	Minimum requirements for 2026										
	Achievement level										
		GCSE #		_	AS Level	A Level	1	B			
		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.									
FACULTY OF ENGINEERING, BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY Programmes	Compulsory subjects	CIE IGCSE LGCSE BGCSE EGCSE O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE	UK England Wales Northern Ireland Pearson Edexcel GCSE	HIGCSE NSSC HL	GCE CIE NSSC AS	GCE CIE CGCE UACE WAEC ZGCE	IB SL	IB HL	KOMBI ABITUR	KCSE	
Bachelor of Science in Architecture	English Mathematics Physics	C D D	4 3 3	3 3 3	C D D	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	C C	4	3	C C	E	4 4	3	60-69% 60-69%	B B	
Bachelor of Science in Real Estate	Physics	D	D 3	3	D	E	2	2	50-59%	C+	
Bachelor of Science in Quantity Surveying	Accounting*)	D	3	3	D	E	2	2	50-59%	C+	
Bachelor of Engineering in Industrial Engineering	English Mathematics Physics Chemistry										
Bachelor of Engineering in Chemical Engineering			C 4 B 5 B 5 B 5 B 5	3 2	CB	E D	4 5	3 4	60-69% 70-79%	B B+	
Bachelor of Engineering in Civil Engineering											
Bachelor of Engineering in Electrical Engineering											
Bachelor of Engineering in Electronic Engineering		sh C iematics B ics B nistry B									
Bachelor of Engineering in Mechanical Engineering				2	B	ם ם	5	4	70-79% 70-79%	B+	
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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	Minimum requirements for 2026									
	Achievement level									
		GCSE #			AS Level	A Level	IB			
FACULTY OF ENGINEERING, BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY Programmes		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.								
	Compulsory subjects	CIE IGCSE LGCSE BGCSE EGCSE O Level NSSC OL CGCE UCE NECO WAEC WASSCE ZGCE	UK England Wales Northern Ireland Pearson Edexcel GCSE	HIGCSE NSSC HL	GCE CIE NSSC AS	GCE CIE CGCE UACE WAEC ZGCE	IB SL	IB HL	KOMBI ABITUR	KCSE
Bachelor of Information Technology in Information Systems	English Mathematics	C C	4 4	3 3	C C	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	С	4	3	С	E	4	3	60-69%	В
Bachelor of Information Science specialising in Multimedia**	English Mathematics	D C	3 4	3 3	D C	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. Previously called ENGAGE	English Mathematics Physics Chemistry	с с с с	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

