

# University of Pretoria

## Admission Requirements and General Information 2012



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

Denkleiers • Leading Minds • Dikgopolo tša Dihlalefi

2012

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# 2012

## Boodskap van die Visekanselier en Rektor

Beste voornemende student,

Welkom by die Universiteit van Pretoria, een van die voorste hoër onderwysinstellings in Suid-Afrika. Die Universiteit van Pretoria bied 'n groot verskeidenheid akademiese programme en kursusse oor nege fakulteite aan. Daar is verskeie ondersteuningsprogramme vir studente wat deel is van ons onderneming om jou te help om 'n sukses van jou studieloopbaan te maak. Wanneer dit by dienslewering kom, in akademiese- en ondersteuningsprogramme, is kwaliteit ons prioriteit. Dit is egter belangrik om kennis te neem dat die Universiteit elke jaar 'n groot aantal aansoeke ontvang. Jy word dus aangeraai om jou aansoek reeds lank voor die sluitingsdatum in te dien, omdat daar slegs 'n beperkte aantal plekke beskikbaar is vir studente wat vir die eerste keer aansoek doen vir 'n akademiese program en studente-akkommodasie.

Akademici aan die Universiteit van Pretoria onderneem om 'n hoë gehalte onderrig en insigte tot innoverende navorsing te lewer. Ons fokus daarop om 'n holistiese opvoedkundige ervaring aan elke student te bied. Met dié doel vorm gemeenskapsdiens 'n kernaspek van ons opvoedkundige ondervinding. Om betrokke te raak by plaaslike gemeenskappe, bied jou die geleentheid om deur ervaring te leer en dit sal 'n belangrike bydrae tot jou holistiese ontwikkeling lewer.

Die Universiteit bied ook aan studente die geleentheid om deel te neem aan 'n verskeidenheid kulturele en sportaktiwiteite. TuksSport bied verskeie sportsoorte aan en beskik oor 'n voortreflike rekord in nasionale en internasionale sportsukses. Dan is daar ook verskeie studenteklubs en -verenigings. Byvoorbeeld, TuksFM, ons studente-radiostasie, het al verskeie hoëprofiel mediapersoonlikhede opgelewer. Wanneer jy 'n toegewyde lid van die Tukkiesgemeenskap word, sal jy besef dat die keuse om by UP te studeer, jou beste keuse ooit was. Ons doen ons bes om 'n ongeëwenaarde omgewing te skep waarin jy uitstekende resultate kan behaal.

Ons sien uit daarna om jou by Tukkies te verwelkom!

Professor Cheryl de la Rey  
Visekanselier en Rektor

## Message from the Vice-Chancellor and Principal

Dear prospective student,

Welcome to the University of Pretoria, one of the leading higher education institutions in South Africa. At the University of Pretoria we offer a wide range of academic programmes and courses across our nine faculties. We also offer a range of student support programmes, as part of our efforts to make your chosen career of study a successful one. In every aspect of delivering our services, whether in academic or support programmes, quality is our priority. It is important to note that the University of Pretoria receives a high number of applications every year, and it is therefore advisable to send your applications well in advance of the deadlines as we have a limited number of spaces available for first entry students in academic programmes and student accommodation.

Academics at the University of Pretoria endeavour to provide high quality teaching and insights into ground-breaking research. We focus on providing a holistic educational experience for all our students, and to this end, community service is a core aspect of our educational experience. Engaging with our local communities will provide you with opportunities for experiential learning that are important for your holistic development.

The University also provides opportunities for students to engage in a range of cultural and sporting activities. TuksSport offers a wide range of sports and we have an outstanding record of success in sport at both national and international levels. There are also numerous student clubs and societies. TuksFM, our student radio station, for example, has been a launching pad for numerous high profile media personalities. Once you become a dedicated part of our Tukkies community, you will realise that your choice of our institution was one of the best choices you have ever made. We do our best to ensure that you will experience an unequalled environment for achieving outstanding results.

We look forward to welcome you at Tukkies!

Professor Cheryl de la Rey  
Vice-Chancellor and Principal

## Molaetša go tšwa go Motlatša Mokanseliri le Hlogo

Thobela go wena o ka bago moithuti wa rena mo nakong ye e tlogo,

O amogetswe Yunibesithing ya Pretoria, ye nngwe ya dihlongwa tša thuto ya maemo a godimo tseo di etilego pele ka Afrika Borwa. Mo Yunibesithing ya Pretoria re na le mananeo a mantši a go fapafapana a thuto le dithuto go kgabaganya mafapha a rena a senyane. Gape re na le mananeo a go fapafapana a go fa bathuthi thekgo, bjalo ka karolo ya maitapišo a rena a go dira dithuto tša mošomo wo o ikgethetšego wona go ba tša kallego. Karolong ye nngwe le ye nngwe ya go aba ditirelo tša rena, ka go tša thuto goba mananeong a thekgo, re bea pele boleng. Go bohlokwa go tseba gore Yunibesithi ya Pretoria e amogela nomoro ya godimo ya bao ba kgopelago dikgoba ngwaga le ngwaga, ka gona o eletšwa go romela kgopelo ya gago e sale nako pele ga ge go ka tswalelwa ka ge re na le dikgoba tše mmalwa fela tša bathuthi bao ba sa thomago go ithuta le rena mananeong a thuto le madulo a bathuthi.

Ba tša thuto mo Yunibesithing ya Pretoria ba ikemišeditše go fa thuto ya maemo a godimo ya boleng le dinyakišišo tseo di sego tša ka tša dirwa peleng. Re tsepeletše mo go abeng maitemogelo ka bottlalo a thuto go bathuthi ba rena ka moka, gomme go fihlela mo, ditirelo tša setšhaba ke karolo ya motheo go maitemogelo a rena a thuto. Go soma le setšhaba sa rena sa mo gae go tla go fa menyella ya go ithuta ka go dira, selo se bohlokwa gore o gole ka moo go feletšego bjalo ka moithuti.

Yunibesithi gape e fa bathuthi menyella ya go tsenela medirwana ya tša setšo le dipapadi. TuksSport e fana ka dipapadi tša go fapafapana gomme re na le rekhoto ya go kgahlisa kudu ya kallego ka go dipapadi maamong a bosetšhaba le boditšhabatšhaba. Gape go na le mekgatlo ya go fapafapana ya bathuthi. TuksFM, seteišene sa rena sa radio sa bathuthi, go fa mohlala, ke lefelo la go thakgola maina a go fapafapana a baphatlalatša-ditaba ba maemo a godimo ba go tsebege. Ge o ka ba karolo ya go ba le maikemišetšo ya setšhaba sa Tukkies, o tla lemoga gore go kgetha ga gago go ithuta Yunibesithing ye ya rena e bile ye nngwe ya dikgetho tše kaone tseo o kilego wa di dira. Re dira ka moo re ka kgonago go kgonthisiša gore o itemogele seemotikologo sa go se lekanywe le selo sa go fihlelela dipoelo tše kaonekaone.

Re lebeletše go go amogela mo Tukkies!

Moprofesa Cheryl de la Rey  
Motlatša Mokanseliri le Hlogo



## 1. Our campus

The University of Pretoria has 6 campuses, namely Hatfield Campus, LC De Villiers Sports Campus, Prinshof, Groenkloof, Mamelodi and Onderstepoort. Maps and directions to UP can be found at [www.up.ac.za](http://www.up.ac.za) together with more information about the University, its nine faculties and the facilities it offers.



The Hatfield campus serves as the main campus and its more than 60 historical buildings are spread over 24 hectares. It is one of the most picturesque campuses in South Africa and is located in close proximity to a business centre with several essential services, such as banks, bookshops, pharmacies, sport facilities, clothing shops, restaurants and coffee shops.

## 2. The Client Service Centre

The Client Service Centre at the University of Pretoria provides a quick and efficient service so that you will have enough time to enjoy being a student!



The Client Service Centre provides services with respect to:

- All general enquiries regarding the University of Pretoria
- Residences
- Applications
- Payments
- Study financing
- Student and personnel cards
- Parking discs
- International student support
- Career placement
- Course consultations



### Contact information of the Client Service Centre Call Centre:

Tel: +27 (0)12 420 3111  
E-mail: [csc@up.ac.za](mailto:csc@up.ac.za)  
Website: [www.up.ac.za](http://www.up.ac.za)

### Physical address:

University of Pretoria, cnr of Lynnwood Road and Roper Street, Hatfield, 0083

### Postal address:

University of Pretoria, Private Bag X20, Hatfield, 0028



## 3. General admission requirements

A fundamental value of the University of Pretoria is the promotion of intellectual and social justice to ensure racial, ethnic and gender equality in all spheres of its institutional life.

### 3.1 National Senior Certificate (NSC)

The statutory minimum requirement for degree studies is a National Senior Certificate (NSC) certified by Umalusi,

with an achievement rating of 4 (50-59%) in four recognised NSC 20 credit subjects from the designated subject list, below:

- Accounting
- Agricultural Science
- Business Studies (previously Business Economics)
- Consumer Studies (previously Home Economics)
- Dramatic Arts
- Economics
- Engineering Graphics and Design (previously Technical Drawing)
- Geography
- History
- Information Technology
- Languages \*
- Life Sciences (previously Biology)
- Mathematical Literacy
- Mathematics
- Music
- Physical Science (previously Natural Sciences)
- Religion Studies
- Visual Arts

\* Based on the languages used as medium of instruction at the University of Pretoria, it is advisable that students should offer English and/or Afrikaans as a Home Language or as a First Additional Language, together with any other language of choice.

Additional requirements may be set by the University of Pretoria, some faculties and/or some programmes. In order for prospective students with a NSC qualification to gain admission to any of the nine faculties at the University of Pretoria, applicants should comply with the following requirements:

- The minimum statutory and institutional requirements for degree studies
- Recognised and appropriate combinations of NSC subjects
- The required minimum levels of achievement in the subjects concerned, as stipulated in the regulations and syllabi of each faculty
- The required Admission Point Score (APS) as stipulated in the regulations and syllabi of each faculty
- English and/or Afrikaans on Grade 12 level

A Grade 12 Certificate **with university exemption** (endorsement) is required if Grade 12 was obtained before 2008.

Provisional admission is granted based on the results of the final Grade 11 year mark (promotion mark). **Please note** that the final Grade 12 results remain the determining factor for admission; also note that the achievement of the minimum requirements does **not** necessarily guarantee admission to any programme or field of study.

### 3.2 Full or foreign conditional exemption certificate

This prerequisite is applicable to international students and to students who do not have SA National Senior

Certificates and want to enrol for undergraduate studies at the University of Pretoria. This certificate can only be obtained from HESA (Higher Education South Africa) (see 23.2.1 on page 12).

### 3.3 Calculation of Admission Point Score (APS)

The calculation of an Admission Point Score (APS) is based on a candidate's achievement in any SIX 20-credit recognised subjects (not only designated subjects), by using the National Senior Certificate Seven Point Rating Scale of Achievement (see Table 1). Students who do not have a National Senior Certificate must please refer to the Conversion Table 10 (p12) of this brochure.

**Table 1: National Senior Certificate achievement levels**

Achievement	Achievement level	Marks
7	Outstanding achievement	80-100%
6	Meritorious achievement	70-79%
5	Substantial achievement	60-69%
4	Adequate achievement	50-59%
3	Moderate achievement	40-49%
2	Elementary achievement	30-39%
1	Not achieved	0-29%

**Table 2: Example of Admission Point Score calculation**

School subject (example)	Report mark
Afrikaans	4
English	4
Mathematics	6
Physical Science	6
Life Sciences	7
Accounting	3
APS Total	30

**Life Orientation** is a 10-credit subject, and this subject is excluded when calculating APS.

### 3.4 Institutional Proficiency Test (IPT)

The University of Pretoria requires prospective students to write an Institutional Proficiency Test (i.e. the National Benchmark Test). Details about the test will be communicated to such students in writing. Refer to [www.nbt.ac.za](http://www.nbt.ac.za) or call tel: +27 (0)21 650 3523 for more information.

## 4. Language policy and medium of instruction

With regard to the medium of instruction, the University uses two official languages, namely Afrikaans and English. In formal teaching, the medium of instruction is either Afrikaans or English, or both of these languages provided that there is a demand and that it is academically and economically justifiable. However, it remains a student's responsibility to ascertain on an annual basis in which language a module and any further level of that module is presented. In respect of administrative and other services, a student has the right to choose whether the University should communicate with him or her in Afrikaans or English.

The University requires a certain level of language proficiency from students. All students therefore undergo a language proficiency test at the commencement of their first year of study. If the language proficiency test mark is too low, you will be required to include a compulsory language proficiency module (EOT) in your course.

## 5. Application for admission

Applications open on 1 March of the year preceding the year of study. You may apply electronically at [www.up.ac.za/apply](http://www.up.ac.za/apply) or you may use the application form, which should either be submitted at the Client Service Centre or mailed to the University.

Please attach proof of payment, cheque or postal order to the application form. Please do not send cash through the mail or leave documents and cash with any unauthorised persons!

Please note that each application form has a unique number which is printed under the barcode on page one. This number is repeated on each subsequent uneven page number. It is therefore imperative that you do not mix pages with different numbers or application forms. For this reason the University will only accept original application forms. Faxed, scanned or e-mailed application forms will not be accepted.

Each student must complete only **one** application form. On the application form the University of Pretoria offers a first and second choice in terms of what you wish to study. All applicants should fill in both a first and second choice on the application form.

It is important to note that should you wish to study BSc(Arch)(Architecture) or BSc(Int)(Interior Architecture), you must indicate them as your first choice on your application form, or you will not be considered for these programmes. It is also recommended to indicate the other selection programmes under paragraph 6 as your first choice on the application form.

## 6. Closing dates

Selection programmes are degree programmes with early closing dates and limited space and must preferably be indicated as first choice on your application form.

Please note that applications for the following academic selection programmes close on **30 June** of each year for both South African and international students:

- BA(Fine Arts)
- BA(Information Design)
- BA(Human Movement Science)
- BA(HMS) Option: Sport Psychology
- BSportSci





- BSportSci(Option: Golf)
- BA(Drama)
- BA(Music)
- BMus
- LLB(Law)
- BCom(Accounting Sciences)
- BCom(Financial Management)
- BCom(Investment Management)
- BCom(Law)
- BCommunication Pathology(Audiology)
- BCommunication Pathology(Speech-Language Pathology)
- MBChB(Medicine)
- BOccT(Occupational Therapy)
- BRad(Radiography)
- BPhysT(Physiotherapy)
- BCur(Nursing)
- BDietetics
- BChD(Dentistry)
- BOH(Oral Hygiene)
- BSc(Arch)(Architecture)
- BSc(Int)(Interior Architecture)
- BSc(Real Estate)
- BSc(LArch)(Landscape Architecture)
- BSc(QS)(Quantity Surveying)
- BSc(Construction Management)
- BT&RP(Town and Regional Planning)
- BVSc(Veterinary Science)
- DipVetNurs(University Diploma in Veterinary Nursing)

Applications for undergraduate academic programmes, other than those mentioned above, close on **30 September** of the year preceding the year of study for South African students, and on **31 August** for international students. Prospective students are therefore encouraged to apply as soon as applications open in March - well in advance of the closing dates mentioned above. Please make use of the online web application form at [www.up.ac.za/apply](http://www.up.ac.za/apply), which includes instructions for completion of the form. Please note that with online applications the application levy of R220 can only be paid by credit card.

Your completed application form together with the prescribed application levy of R220 (i.e. cheque/postal order), must reach the Client Service Centre before the closing date. Post it to the Client Service Centre, University of Pretoria, Private Bag X20, Hatfield, 0028.

Once your application form has been processed, you will receive a student number. Thereafter you can track the progress of your application online at [www.up.ac.za/track](http://www.up.ac.za/track).

## 7. Restriction on student numbers

Owing to constraints on the facilities of the University, the intake of students in **all** the degree programmes is limited. It may even be the case that available places are full long before the closing date. Please note that meeting the minimum requirements of a degree programme as specified in this brochure, does **not** guarantee your admission.

## 8. Exclusion of registered students with unsatisfactory progress

Registered students at the University who do not meet the minimum requirements for progress in their chosen fields of study, may be excluded from continuing their studies. Students are therefore encouraged to devote themselves to their academic careers and to maintain high achievement levels in all their subjects.

## 9. Fees

### 9.1 Payment of the application levy

Prospective students, who do not yet have a student number (EMPL ID), must pay a non-refundable application levy of R220 in one of the following ways:

- Walk-in service: The application levy can be paid at the cashiers on all the University of Pretoria campuses between 08:00 and 16:00 on week days
- Online credit card payments: Students who apply online must please take note that only credit card payments may accompany these applications
- Postal service: Mail your application form together with a cheque or postal order (no cash!) to: The Client Service Centre, University of Pretoria, Private Bag X20, Hatfield, 0028

**Table 3: University of Pretoria banking details**

ABSA	Standard Bank
Branch: Hatfield	Branch: Hatfield
Branch Code: 632005	Branch Code: 011545
Acc. No.: 214 000 0054	Acc. No.: 012 602 604
Swift Code: ABSAZA JJCPT	Swift Code: SBZAZAJJ

### 9.2 Payment of other fees

After your application for admission has been processed and you have received a student number (EMPL ID), you may also make use of the following payment options:

- Direct deposits: You may deposit fees directly into the University's bank accounts at ABSA and Standard Bank either by visiting a branch of the bank or electronically via your own bank's website. Retain your deposit slip for reference purposes. Please do not fax your deposit slip. Wait two working days before checking on [www.up.ac.za/virtualcampus/sos/login.do](http://www.up.ac.za/virtualcampus/sos/login.do) to see whether your deposit reflects. The reason being that banks forward all card and bank payments to the University by means of batch processing and this takes 2-3 working days. Payments will therefore not reflect on your account on the same day that payment was made.  
**N.B.** Please use your student number (EMPL ID) as reference on the deposit slip.
- Credit and debit card payments: Payments with these cards may be made at the cashiers in the Client Service Centre. Credit card payments can also be arranged at Tel: +27 (0)12 420 3111 or online at [www.up.ac.za/cardpayment](http://www.up.ac.za/cardpayment)

**Table 4: Fees payable**

Instalment	Payment required	Payment date	Amount 2011	Amount 2012
Ad hoc levies	<ul style="list-style-type: none"> <li>• Application fee (non-refundable)</li> <li>• International administrative levy</li> </ul>	<ul style="list-style-type: none"> <li>• Payable in the year preceding study</li> <li>• Payable prior to or during registration</li> </ul>	R220 R2 000	R220 R2 500
Placement levy for the allocation of a study and/or residence place	Payment equal to the first instalment secures the place allocated: <ul style="list-style-type: none"> <li>• Study place</li> <li>• Residence place</li> </ul>	Payable once notice has been given of placement <ul style="list-style-type: none"> <li>• Study place</li> <li>• Residence place</li> </ul>	R3 200 R3 600	R3 500 R4 000
Residence breakage deposit	Payment is included in payment to secure place in residence	Payable before accommodation in residence can be taken up	R1 300	R1 400
Cancellation levies	Should a study and/or residence place, which has been accepted, not be taken up, a cancellation fee will be levied	Levy will be retained from the acceptance payment <ul style="list-style-type: none"> <li>• Study place</li> <li>• Residence place</li> </ul>	R1 600 R1 800	R1 750 R2 000
Initial payment (i.e. first instalment)	Tuition fees <ul style="list-style-type: none"> <li>• Postgraduate students renewing registration</li> <li>• All other students (under- and postgraduate)</li> </ul> Residence fees	Payable before or during registration if not already paid in acceptance of study place	R2 250	R2 400
			R3 200	R3 500
		Payable before or during registration if not already paid in acceptance of residence place	R3 600	R4 000
Second instalment	50% of fee account	On or before 30 April		
Third instalment	100% of fee account	On or before 31 July		

**Table 5: Estimated tuition fees for 2011\***

Faculty	Estimated tuition fees per year
Faculty of Economic and Management Sciences	R21 000 - R32 150
Faculty of Health Sciences	R23 350 - R29 700
Faculty of Humanities	R18 520 - R32 400
Faculty of Engineering, Built Environment and Information Technology:	
• School of Engineering	R28 500 - R33 000
• School for the Built Environment	R23 730 - R28 000
• School of Information Technology	R24 350 - R36 550
Faculty of Natural and Agricultural Sciences:	
• Biological Sciences	R28 370 - R30 520
• Agricultural and Food Sciences	R20 750 - R28 400
• Physical Sciences	R27 650 - R30 800
• Mathematical Sciences	R32 300 - R33 400
• Science Education	R24 850 - R24 860
Faculty of Education	R20 580 - R24 260
Faculty of Law	R23 730 - R27 830
Faculty of Theology	R18 300 - R23 070
Faculty of Veterinary Science	R24 900 - R35 770

\* N.B. All amounts are subject to change and should not be seen as the final cost. The table gives an estimation of the tuition fees for 2011. Prospective students are advised to use the rate of inflation during 2011, as a guideline to estimate the increase in tuition fees for 2012.

- Cheque payments: Payments made by cheque may be made at the cashiers at the Client Service Centre. If the cheque is not bank guaranteed, the payment will be subjected to a bank clearance period of ten working days.

### 9.3 Due dates for payment

Certain payments must be made before a student is permitted to register. A payment must also be made to reserve a place in a residence. Table 4 (p4) explains when respective payments need to be made.

### 9.4 Calculation of tuition fees

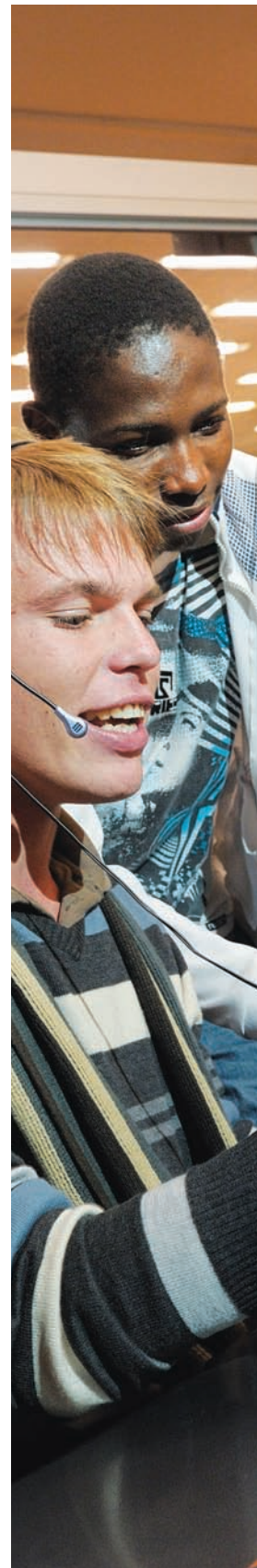
Tuition fees for 2012 depend on the study programme and modules selected by a student. For this reason actual costs can only be reflected on a student's account once registration has been completed.

These fees represent a combination of costs, which include formal services rendered (i.e. lectures, practicals, computer laboratory access, consumables used in laboratories, etc.), as well as indirect overheads such as the provision of library and recreation facilities, security and cleaning services, electricity and water supply, etc. Fees do not include the cost of prescribed books, study material or other study-related expenses.

The estimated tuition fees per faculty for 2011 are reflected in Table 5 (page 4) and may be used to estimate the fees for 2012.

### 9.5 Discount for early settlement of student account

A 2,5% discount is granted on fees in respect of tuition, accommodation and meals should a student's account as it stands on 31 March be settled in full. To obtain the 2,5% discount, we refer to your account as it stands on 31 March. If it is paid in full the discount is granted. Note that this discount is based on the amount paid by you. Payments by means of UP bursaries and loans, or NSFAS (National Students Financial Aid Scheme) loans, are not taken into consideration.





**Table 6: Undergraduate achievement bursary values for 2011**

Undergraduate achievement bursary values for 2011				
Faculty/School	Faculty of Natural and Agricultural Sciences	Faculty of Engineering, Built Environment and Information Technology		Other faculties and schools
		• School of Engineering • School for the Built Environment	• School of Information Technology	
Qualifying average percentage	75-100%	75-100%	80-100%	80-100%
Minimum bursary value	R10 500	R10 500	R10 500	R7 100
Maximum bursary value	R24 500	R24 500	R21 000	R18 800

The University reserves the right to amend, without prior notice, the regulations and conditions applicable to the awarding of bursaries and loans. Please consult [www.up.ac.za/fao](http://www.up.ac.za/fao) for the latest information.

### 9.6 Family rebate

Two or more children from one family (i.e. brothers and/or sisters) will be granted a 10-20% family rebate if they are enrolled simultaneously for degree or diploma programmes at the University of Pretoria. Annual application for this rebate should reach the Client Service Centre before April.

## 10. Bursaries and loans

### 10.1 General information

The University provides financial support packages for prospective as well as registered students with academic potential and clear plans for the future. Undergraduate bursaries are available for both academic and non-academic achievement. Bursaries and loans are awarded on the grounds of both academic achievement and financial need.

The University considers applications for financial assistance from students who are South African citizens or permanent residents. Enrolled students with citizenship in Southern African Developing Community (SADC, [www.sadc.int](http://www.sadc.int)) countries will be considered for UP undergraduate achievement bursaries, excluding top achiever awards, provided they meet the criteria. For UP postgraduate bursaries, non-South African citizens are also considered for awards. Prospective students must first apply for admission to the University of Pretoria. An application for study financing may be submitted only after a student number (EMPL ID) has been allocated.

Students previously registered at other universities must submit a complete academic record along with their application form. An application with outstanding documentation or information will not be processed. No bursaries will be awarded to students enrolled for a special study programme.

### 10.2 Bursaries

#### 10.2.1 Undergraduate achievement bursaries: new students

a) Undergraduate achievement bursaries are awarded automatically to registered new undergraduate students who meet the bursary criteria. These students must undertake study at UP for the first time after completion of the Grade 12 examinations.

Students who were registered at another educational institution prior to registration at UP, are excluded for award purposes.

Bursaries are fully repayable should bursary holders terminate the study programme, for whatever reason, at any stage during the year in which the bursary was awarded. Should a bursary holder change his/her study programme during the year in which the award was made, the bursary value as initially awarded for the first study programme enrolled for, will remain unchanged. The award will therefore not be cancelled or adjusted upward/downward to align it with consecutive study programmes enrolled for.

- b) Qualifying students must be South African citizens or permanent residents in South Africa or hold citizenship in a SADC country.
- c) The average percentage for bursary purposes is calculated as follows: The average of the actual percentages obtained for all recognised NSC subjects taken, excluding the following subjects:
  - Life Orientation
  - Mathematics Paper 3
  - Additional Mathematics
  - ABRSM Practical Music
  - Subjects with subject codes of which the first three digits are "999"
- d) The average percentage is not rounded off.
- e) The awarding of bursaries is finalised on the basis of the final marks the University receives from the Department of Basic Education. Results obtained for papers that have been re-marked are not taken into account for this purpose.
- f) Students who qualify for a new undergraduate achievement bursary and obtained more than 60% for Mathematics Paper 3, receive an additional R2 000.
- g) New undergraduates who enrol for degree courses should obtain the following minimum average in order to be eligible for a bursary. Bursary values for 2011 are indicated in Table 6 and 7.

**Table 7: Minimum percentage to qualify for a bursary**

Faculty / School	Minimum average
Faculty of Natural and Agricultural Sciences	75%
School for the Built Environment	75%
School of Engineering	75%
School of Information Technology	80%
Other faculties / schools	80%

**Applications close on 31 October**

**Website: [www.up.ac.za/fao](http://www.up.ac.za/fao)**

### 10.2.2 Bursaries for top achievers

UP offers bursaries to top prospective student achievers in Grade 12. The top achiever awards are in addition to the UP undergraduate achievement bursary awards and will be awarded once the student qualifying for the award is accepted by and enrolls at UP for study. Students with South African citizenship or permanent residence in South Africa are considered for these awards.

**No application is required for the following bursaries:**

- The top achievers new first year students who enrol at UP:
  - A bursary to the value of R18 700 is awarded to each of the top 20 new first year students who register at UP
  - The Division Study Finance will identify the students who qualify for the award, applying the criteria for undergraduate achievement bursaries for new students
- JuniorTukkie development week:
 

A bursary to the value of R10 700 is awarded to the top 15 learners with the best Grade 12 results who attended the JuniorTukkie development week and are admitted for degree programme in the Faculties of Natural and Agricultural Sciences, Health Sciences or Engineering, Built Environment and IT at the University of Pretoria
- Top Grade 12 (Dux) scholars at top feeder schools:
 

An amount equal to the initial payment for tuition required during registration will be awarded to Dux learners at selected top feeder schools. The final decision regarding the selection of schools for this purpose rests with UP.

### 10.2.3 Achievement in other academic fields and extramural activities

New undergraduate students may apply for these bursaries. Certified official proof that the applicant qualifies for the award should accompany the application. UP recognizes the awards received for achievements in Grades 11/12 in other academic fields and extra-curricular activities (see Table 8).

### 10.2.4 Undergraduate achievement bursaries: senior students

Please visit [www.up.ac.za/fao](http://www.up.ac.za/fao) for the criteria and bursary values.

**Table 8: Bursaries in other academic fields**

Bursaries for achievement in other academic fields and extra-curricular activities: 2011	
Entrepreneurial	R2 200
Expo Gold Medalist	R2 200
Leadership - minimum	R600
Leadership - maximum	R2 200
Subject Olympiads - Overall winner	R5 900
Subject Olympiads - 2nd to 10th place	R2 200
Science/Mathematics - Overall winner	R30 800
Science/Mathematics - 2nd place	R24 600
Science/Mathematics - 3rd place	R18 500
Science/Mathematics - 4th to 10th place	R2 200

### 10.2.5 Funza Lushaka bursaries

The Funza Lushaka Bursary Scheme is an SA government bursary scheme that promotes teaching in public schools. Bursaries are available to enable eligible students to complete a full teaching qualification in an area of national priority. Recipients of the bursary will be required to teach at a school or provincial education department for the same number of years they received the bursary.

The bursary is only awarded to South African citizens and applicants for the bursary must already have been accepted into an appropriate study programme at a recognised higher education institution. Applicants also need to meet certain admission criteria of the institution and they must also meet the national selection criteria for the Funza Lushaka bursary.

Various priority areas qualify for the bursary and in addition to specialising in a priority area, you will also need to specialise in a phase for the BEd and PGCE teaching qualifications. Please note that those who already have other teaching qualifications do not qualify for this bursary.

Funza Lushaka bursaries cover all the recipient's essential expenses. Expenses covered include tuition, full accommodation including meals, books and learning materials, and a small allowance for monthly living expenses. Universities have different cost structures, therefore the total value of a bursary differs from institution to institution.

#### Funza Lushaka Office

Groenkloof Campus, H01, University of Pretoria

Tel: +27 (0)12 420 4216

E-mail: [funzalushaka@up.ac.za](mailto:funzalushaka@up.ac.za)

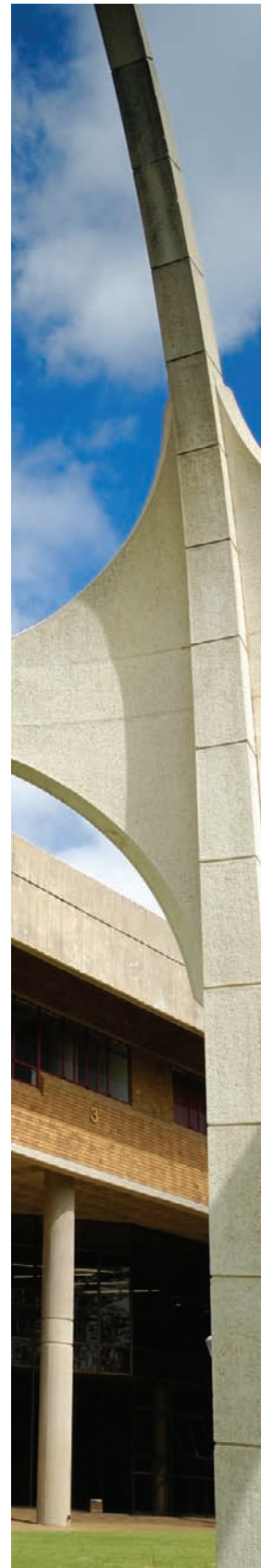
Website: [www.funzalushaka.doe.gov.za](http://www.funzalushaka.doe.gov.za)

*[Disclaimer: These details are merely provided for information purposes]*

#### Other bursary options

Prospective students are advised to consult the following websites for bursaries and application forms:

- [www.up.ac.za/juniortukkie](http://www.up.ac.za/juniortukkie) (click on Bursaries)
- [www.nrf.ac.za](http://www.nrf.ac.za)





- c) [www.dst.gov.za/focus-areas/DST\\_bursary.pdf](http://www.dst.gov.za/focus-areas/DST_bursary.pdf)
- d) [www.gostudy.mobi](http://www.gostudy.mobi)
- e) HCI Foundation: [web.up.ac.za/sitefiles/file/1764/HCI%20Foundation\\_A4%20pdf.pdf](http://web.up.ac.za/sitefiles/file/1764/HCI%20Foundation_A4%20pdf.pdf)

The Bursary Register is also available at  
 Tel: +27 (0)11 672 6559  
 E-mail: [slevin@mweb.co.za](mailto:slevin@mweb.co.za)

### 10.3 Loans

Study loans are available to registered students who are academically deserving and financially needy in terms of the financial means test. Study loans are approved primarily for the payment of tuition fees and are administered accordingly. Loan awards are not guaranteed and are subject to the availability of funds.

#### 10.3.1 NSFAS loans (National Students Financial Aid Scheme)

Study loans are available at a special interest rate to full-time undergraduate students who are South African citizens. The loan amount is determined annually in accordance with the tuition fees, subject to the maximum amount approved by the donor. If a loan holder complies with the conditions and passes all the subjects in the final exams of the year, up to 40% of the loan amount will be converted to a bursary. Awarding of study loans is subject to registered students being financially needy in terms of the financial means test.

#### 10.3.2 UP loans (University loans)

Awarding of study loans is subject to registered students being financially needy. Study loans are primarily approved for the payment of tuition fees and will be administered accordingly. To be considered for a UP study loan, applicants must provide two guarantors who comply with the conditions as determined by the University. UP loans are not guaranteed and are subject to the availability of funds.

#### 10.3.3 Tsenang loans

The loan scheme grants loans to academically deserving and financially needy students to cover the cost of the first instalment payable upon registration. Only undergraduate students who are SA citizens, may apply. The Dean of Students will make recommendations on the allocation of the loans within the framework of approved policy. Application forms may be collected from the Client Service Centre, UP Hatfield Campus during the registration period only. Applications close on the final date for registration for the particular academic year.

#### 10.3.4 Edu-loan

Study loans are available to registered students who have been employed permanently for more than one year or whose parents have been employed permanently for more than one year.

#### Contact information:

Tel: +27 (0)12 420 5175 / 083 524 2433  
 Website: [www.eduloan.co.za](http://www.eduloan.co.za).



**Table 9: Accommodation fees for 2011**

Residences	Distance from Hatfield campus	Single rooms	Double rooms	Meals (100%)
<b>Hatfield campus:</b>				
Ladies residences: Asterhof, Erika, Jasmyn, Katjepiering, Madelief, Klaradyn, Magrietjie and Nerina	On campus	R19 500	R17 900	R25 400
Ladies residence: Nerina (new single)	On campus	R21 900		R25 400
Men's residences: Boekenhout, Kollege, Maroela, Mopanie, Olienhout and Taibos	1,5 km	R19 500	R17 900	R25 400
Tuks Village: Units for Ladies	1,5 km	R21 900		R25 400
Tuks Village: Units for Men	1,5 km	R21 900		R25 400
<b>Groenkloof campus:</b>				
Ladies residences: Zinnia, Liliium, Inca	3,5 km	R19 500	R17 900	R25 400
Men's residence: Kiaat	3,5 km	R19 500	R17 900	R25 400
<b>Prinshof campus: Faculty of Health Sciences</b>				
Ladies residence: Curlitzia	6 km	R19 500	R17 900	R25 400
Mixed residence: Olympus	6 km	R20 800		R25 400
Mixed residence: Hippokrates (single room)	6 km	R26 100		R25 400
Mixed residence: Hippokrates (single flat)	6 km	R32 200		R25 400
Mixed residence: Hippokrates (2-bedroom flat; 2 students/pp)	6 km	R25 200		R25 400
<b>Mamelodi campus:</b>				
Mixed residence: Tuks Naledi	12 km		R17 900	R25 400
<b>Onderstepoort campus: Faculty of Veterinary Science</b>				
Mixed residence: Onderstepoort	22 km	R19 500		R25 400
<b>Postgraduate residences:</b>				
Mixed residence: Jakaranda (single flat)	On campus	R30 100		Self-catering
Mixed residence: Jakaranda (2-bedroom flat; 2 students/pp)	On campus	R27 100		Self-catering
Mixed residence: Protea (single flat)	On campus	R30 700		Self-catering
Mixed residence: Protea (2-bedroom flat; 2 students/pp)	On campus	R27 700		Self-catering
Mixed residence: Tuksdorp (single room)	On campus	R20 800		Self-catering

### 10.3.5 External loans

Students may apply for study loans at most banks. A limited number of loans are allocated.

## 11. Accommodation

### 11.1 General information

The Department of Residence Affairs and Accommodation (TuksRes) offers students a safe, functional and convenient on-campus study and living environment. The residences (Table 9 on page 7) are equipped with comfortable single and double rooms, spacious lounges, recreation halls, television rooms, laundry rooms, ironing facilities, sport facilities and public telephones. Please note that only a limited number of students can be accommodated in university residences annually.

- The first round of placements is done in May of the year preceding study. Residences are very popular and the demand always exceeds availability. It is therefore advisable to apply as soon as possible. Placement is based on academic merit. Should you be awarded a place, you must confirm acceptance by making the prescribed payment, Table 4 (p4), within 30 days of notification of placement.
- A bus service operates between Katjjepering, the men's residences and the Hatfield campus. The service is currently free of charge to residents.
- All students studying Education and applying for accommodation, are automatically considered for residence placement at the Groenkloof campus. Students who study other programmes and attend classes at the Hatfield campus, are also considered for residences at the Groenkloof campus. A free bus service between the Hatfield and Groenkloof campus is currently available for these students.
- Students who have been admitted to a degree programme in the Faculty of Health Sciences are automatically considered for placement in a residence on the Prinshof Campus.
- During holiday periods residences are used for guest accommodation. Maintenance and upgrades are done during the April, July and December holiday periods. Students are therefore expected to vacate residences during these periods.

### 11.2 Accommodation and meal fees

The University levies a basic accommodation fee, which is revised annually. Accommodation is accepted and provided for a full academic year.

Besides an accommodation fee and a levy for meals, a student who takes up a place in a residence is required to pay a breakage deposit. This deposit is kept in a contingency fund to cover any breakage charges. The balance will be credited towards the student's compounded tuition and accommodation account when accommodation in a residence is terminated.

Charges for meals are levied in addition to the accommodation fees. The University's computer system enables students who are residents to make reservations for meals and to pay only for the meals they have reserved. All meals taken in a dining hall are pre-paid. Students occupying residences are prohibited from preparing food in their rooms. Postgraduate residences are self-catering. Some residences have self-catering facilities (see Table 9).

Students in self-catering residences are levied for accommodation only. However, although the residences Tuks-Village, Olympus, Hippokrates and Tuks Naledi have self-catering facilities, provision is made for students residing in these residences to eat in a dining hall. These students are therefore also debited with meal fees.

The estimated cost of meals if 100% of meals are taken in a residence dining hall is R25 400 (see last column Table 9). The initial levy for meals on a student's fees account is R12 700 and makes provision for the cost of meals if only 50% of meals are taken in a residence dining hall.

Should a credit balance on a student's meal account exist at the end of the study year, it will be transferred to the student's fees account. Should it be a student's final departure from the residence, the student may apply in writing at the Client Service Centre for the credit balance on his/her fees account to be paid out.

#### Contact information:

CSC Call Centre: +27 (0)12 420 3111  
E-mail: [csc@up.ac.za](mailto:csc@up.ac.za)  
Website: [www.up.ac.za/accommodation](http://www.up.ac.za/accommodation)

### 11.3 Private accommodation

Private accommodation is provided, among others, by the following institutions:

#### Arlon Properties

Tel: +27 (0)12 362 5499  
E-mail: [arlon@icon.co.za](mailto:arlon@icon.co.za)

#### City Property

Tel: +27 (0)12 362 4473  
E-mail: [propworld@cityprop.co.za](mailto:propworld@cityprop.co.za)

#### Off Campus Rental

Tel: +27 (0)12 362 6123 or +27 (0)83 438 2548  
E-mail: [ocrental@telkomsa.net](mailto:ocrental@telkomsa.net)

#### Sonop

Tel: +27 (0)12 460 7830/5723  
E-mail: [toniev@sonop.org.za](mailto:toniev@sonop.org.za)

#### South Point

Tel: +27 (0)12 341 1762  
E-mail: [tumi@staysouthpoint.co.za](mailto:tumi@staysouthpoint.co.za)





## 12. The Department of Library Services

The Department of Library Services is host to a world class modern academic research library network spread over the six UP campuses and 10 locations. This service is aligned to the UP faculties with customised services for undergraduates, post-graduates, staff, alumni and visiting scholars. All services are designed towards creating a gateway to global information, and supporting learning, teaching and research through interaction with professional staff.

Key initiatives include an E-Service (online); access to wide-ranging print and electronic collections; online assignment support for undergraduate students; an online reference service (Ask-a-Librarian); wireless hotspots; federated search engines to access electronic journals, books and databases; electronic theses and dissertations; an institutional repository; various audio-visual materials; facilities for the physically challenged; and inter-lending facilities to national and international collections.

Additional physical facilities include the expanded Learning Centre, the state-of-the-art Research Commons for post-graduates, academics and researchers and a modern training facility with seminar rooms and a mini-auditorium at the Merensky Library. All of these actively contribute to a world class learning environment. More information can be obtained from [www.library.up.ac.za](http://www.library.up.ac.za).

## 13. Computer facilities

Hatfield Campus: Information Technology Building  
Monday - Saturday: 07:30 - 22:00

Onderstepoort: Arnold Theiler Building (Level 5)  
Monday - Friday: 07:30 - 20:00  
Saturday: 07:30 - 12:00

Groenkloof: Aldoel Building  
Monday - Friday: 07:30 - 20:00  
Saturday: 08:00 - 22:00

Prinshof Campus: HW Snyman Building (Level 2)  
Monday - Friday: 07:30 - 19:00  
Saturday: 07:30 - 13:00

Basic Medical Sciences Building (Level 6)  
Monday - Friday: 07:30 - 19:00

### Residences

All the University-administrated residences are equipped with IT Minilabs for use only by the specific residence's occupants.

## 14. Internet access

The first 200 MB of internet access each year is free of charge. Thereafter students can top up their accounts by paying at any cashier.

### Internet cost per megabyte:

Internet usage costs: Description	Cache access (cent per MB)	Firewall (FW) access (cent per MB)
After hours Everyday 00:00 - 06:00	Free	12
After hours (T2*) Monday - Friday 06:00 - 08:00 and 16:00 - 24:00 Saturday and Sunday 06:00 - 24:00	8	12
Day (T1*) Monday - Friday 08:00 - 16:00	16	24
Cost per megabyte in cent. * Abbreviation as used in formula on the internet.		

When accessing the Library's information websites and the student web portal (Student Online Services) from the computer labs, no fee is charged.

## 15. Printing and copying services

### Open Labs

- Students can make use of the printing facilities in the Open Labs.
- Printing credits (minimum amount of R50) can be purchased at any of the cashiers on the different campuses.
- The cashier will issue two receipts; both receipts are to be presented to the lab assistant for activation.
- No enquiries other than those pertaining to payment for print credits or activation, can be done at the Client Service Centre. Please consult your lab assistant.

### Xerox

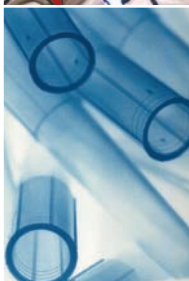
- Purchasing of photocopying credits to make photocopies at Xerox.
- Binding of assignments.
- Xerox is situated in the Student Centre, Hatfield Campus.

### Library

- Self-service printers are available at the Merensky Library as well as at the faculty libraries. Photocopying requires funds deposited on your student printing account at the library.
- A wireless printing service is available at the Merensky Library.
- Pin numbers: Each client will be able to register a pin number for printing purposes. You will be prompted for this pin number once you start printing from a computer inside the Library. Should you forget your pin, it can be reset by Xerox.

### Contact information:

Tel: +27 (0)12 420 3505



## 16. Programme for registration and start of the academic year (A2S@UP)\*

The Dean of Students is responsible for the compilation of the Programme for registration and start of the academic year (previously known as the Academic Orientation Programme). This compulsory programme is presented during January of each year and includes the following: Welcoming Day; A2S@UP highlights; a compulsory Academic Literacy Test; information session on e-learning systems; registration; assistance with the compilation of a timetable and advice on module choices, etc.

The Student Support Division looks after the mental and physical health of students.

- The Student Support Division (situated in the Student Affairs Building) has qualified counselling psychologists, social workers and clinical psychologists. These personnel assist students with academic, emotional, personal and relationship problems.
- Services include psychometric testing, career planning, study techniques, personal empowerment, life skills and trauma counselling.
- All services are free of charge for registered students.
- Students with family problems or who require study guidance can also contact the Crisis Line.

The Unit for Students with Special Needs (physical and learning disabilities) within Student Support assists students with academic and emotional challenges. All the above services are free of charge for registered students and all students are encouraged to use them.

### Contact information:

Tel: +27 (0)12 420 2333 (office hours)  
24 hour Crisis line: +27 (0)12 420 2310  
24 hour Crisis number: 0800 006 428 (toll-free)

## 17. Health services

Basic medical services are rendered to registered students of the University by qualified and registered medical doctors and nurses on campus.

### Contact information:

Tel: +27 (0)12 420 2500  
Location: Student Health Services Building, Hatfield Campus

The medical staff provides the following services:

- examines, diagnoses and treats illnesses or gives a prescription for medicine that you can buy at your own cost at any pharmacy
- treats injuries
- refers to a specialist, relevant clinic, hospital or laboratory when necessary (costs to be borne by the patient)
- information, advice or counselling on medical matters
- dietary advice
- undertakes preventative immunisation programmes

- offers advice regarding lifestyle and health
- does HIV counselling and tests at our VCT centre (Voluntary Counselling and Testing Clinic)

### How does the service function?

- Patients are seen on a walk-in basis.
- Appointments should, however, be made for dietary consultation and consultation at the VCT centre.

### Important to know:

- Consultations are free of charge.
- Remember your student card every time you visit the Health Services.
- Prescribed medicine can be bought at any pharmacy at your own expense.
- You will be required to pay for any specialised examinations.

Hatfield Campus: Student Health Services Building on Roper Street (opposite Roosmaryn Residence): Every weekday from 08:00 - 16:00.	
Onderstepoort Campus: Arnold Theiler Building. Tuesdays and Thursdays from 12:00 - 14:00	Prinshof Campus: BMS Building, 8 <sup>th</sup> floor. Monday, Tuesdays and Thursdays from 12:00 - 14:00
Groenkloof Campus: Sports Building, Room S-14. Mondays and Wednesdays from 12:00 - 14:00	Mamelodi Campus: Education Building. Every weekday from 08:00 - 15:30

## 18. Transport/bus services

### Public bus services

To access information on public bus services, please visit the website [www.tshwane.gov.za/bus.cfm](http://www.tshwane.gov.za/bus.cfm).

### Bus services (residence students only)

The University provides a free of charge bus service between most residences except where residences are within walking distance.

### Park-and-Ride commuter service

- Due to a shortage of parking on the Hatfield Campus, this facility is available for use to staff and students to park on the LC de Villiers Sports Campus.
- Security guards will be on duty to facilitate parking.
- Staff and students must present a valid staff/student card on request.
- The Park-and-Ride facility is free of charge.

Please contact the Client Service Centre for the most recent information.

## 19. Safety on campus

The Department of Security Services creates and maintains a safe environment aimed at ensuring a quality student life through innovative measures and services that include the following:

- access control on all campuses
- 24 hour UP operational management centre located on the ground floor of the Administration Building on the Hatfield Campus
- 24 hour emergency reaction vehicle





- 24 hour alarm monitoring
- crime investigations
- 24 hour CCTV monitoring

24 hour UP operational manager: +27 (0)83 654 0476  
 24 hour UP operational management centre:  
 +27 (0)12 420 2310/2760  
 24 hour crisis line: 080 006 428 (toll-free)



## 20. TuksSport

Sport represents a significant part of student life. The University of Pretoria provides students with opportunities to participate at club, national and international levels in a variety of sporting disciplines. The University also boasts excellent sport facilities, which are highly regarded both nationally and internationally. The sport campus is centrally located and is easily accessible to students. TuksSport has a large number of sport clubs and is currently the largest source of athletes in a variety of sport disciplines to the various national teams. You are encouraged to select the University of Pretoria for an outstanding sport and academic career.



Sport clubs:

Athletics	Golf	Swimming
Badminton	Gymnastics	Taekwondo
Basketball	Hockey	Tennis
Canoeing	Judo	Triathlon
Cheer leaders	Karate	Underwater sport
Cricket	Netball	Volleyball
Dance	Rowing	Water polo
Exploratio	Rugby	Wrestling
Fencing	Softball	
Football	Squash	



### Contact TuksSport at:

Tel: +27 (0)12 420 6060  
 Fax: +27 (0)12 420 6095  
 E-mail: [sportinfo@up.ac.za](mailto:sportinfo@up.ac.za)  
 Website: [www.up.ac.za/tukssport](http://www.up.ac.za/tukssport)



## 21. Cultural activities

The Department of UP Arts is the over-arching structure for the organization and facilitation of the arts at the University of Pretoria and publishes a comprehensive arts and culture calendar annually.

E-mail: [arts@up.ac.za](mailto:arts@up.ac.za) for more information.



If you have the necessary talent or interest, you can become involved in a large number of diverse cultural organizations and activities – the University's music ensembles (symphony orchestra, the brass band, various choirs), film festivals, the serenade competition, drama productions, a wide variety of music concerts and many more events cater for a very diverse range of cultural needs.

The exceptional facilities make the University a key cultural centre in the city, attracting more than a quarter of a million people to concerts and other activities in the theatres, halls and other venues of the University every year. Local as well as international artists perform during these occasions.

The University has four outstanding museums, namely the Mapungubwe Museum; the Van Tilburg Museum; the Edoardo Villa Museum and the Anton van Wouw Museum. The University of Pretoria possesses the only conservation facility in a South African university. These museums are not only for the cultural enjoyment of visitors and students, but are also teaching and research centres, which give added value to the academic studies of numerous programmes. The museums are open to students and the public from Tuesday to Friday every week from 10:00 to 16:00 free of charge.

## 22. Computer and information literacy

The work environment at the University of Pretoria requires a certain level of computer and information literacy. All new first-year students are required to take the modules Computer Literacy (CIL111) and Information Literacy (CIL121), as part of their degree programme. You may, however, write a test for exemption from CIL111. No exemption test is available for CIL121.

## 23. International students

### 23.1 Application for study

Prospective students who are non-South African citizens should visit the website [www.up.ac.za/ISD](http://www.up.ac.za/ISD) for more information. Prospective students can apply online at [www.up.ac.za/apply](http://www.up.ac.za/apply). The academic year at South African universities extends from January to December.

Non-South African applicants must please note that certain academic selection programmes close on **30 June** of each year, while other undergraduate academic programmes close on **31 August** (see point 6 on page 2). Table 10 (page 12) converts international qualifications into South African Admission Point Score (APS).

### 23.2 International school qualifications

#### 23.2.1 Full or foreign conditional exemption certificate

HESA requires the following documentation when applying for an exemption certificate:

- Copies of your qualifications certified as correct by the Registrar of a South African University or by the South African Embassy, Trade Mission or Consulate in a foreign country or by a Public Notary.  
PLEASE NOTE: Result slips, fax copies and copies certified by a commissioner of oaths are not acceptable.

- A certified copy of your South African identity document, in the case of Permanent Residents only, or a valid passport reflecting your full names and date of birth, passport number and photo, or a certified copy of your birth certificate
- Completed M30E ([www.hesa-enrol.ac.za/mb](http://www.hesa-enrol.ac.za/mb) - follow link to Applications)

This is a prerequisite for all students wishing to enrol for undergraduate studies at the University of Pretoria. This certificate can only be obtained from Higher Education South Africa (HESA). To obtain this certificate, you have to contact HESA directly. The University of Pretoria cannot obtain this certificate on your behalf.

**Contact HESA at:**

Postal Address: PO Box 3854, Pretoria, 0001  
 Location: Unisa Sunnyside Campus, Building 3, Level 1, Corner of Rissik and Mears Streets, Sunnyside, Pretoria

Tel: +27 (0)12 481 2847/2848  
 Fax: +27 (0)12 481 2922/2718  
 E-mail: [exemptions@hesa-enrol.ac.za](mailto:exemptions@hesa-enrol.ac.za)  
 Website: [www.hesa-enrol.ac.za/mb/](http://www.hesa-enrol.ac.za/mb/)

**23.2.2 SAT, TOEFL and IELTS requirements**

**23.2.2.1 Language proficiency**

In order to be admitted /registered at UP you may be required to pass an accredited language proficiency test. Accepted language proficiency tests include:

- TOEFL Test: The minimum requirement for the TOEFL test is Written 22, Verbal 23, Reading 21, Listening 17 with a total of 83 (see [www.ets.org/toefl](http://www.ets.org/toefl))
- IELTS Test: The minimum requirement for the IELTS Test is 6 (see [www.IELTS.org](http://www.IELTS.org))

**23.2.2.2 Alternative admission**

If, in your final year of schooling, you did not comply with the admission requirements of the University of Pretoria in terms of full or foreign exemption in English, Mathematics or another subject, you may be required to write the:

- SAT1 Test: The minimum requirement for the SAT1 Test is Mathematics 550, Critical Reading 550 and Writing 500 (please note that there are exceptions e.g. the School of Engineering requires Mathematics to be a minimum of 600) (See [www.collegeboard.com/splash](http://www.collegeboard.com/splash))
- Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za))

**23.3 Certificates**

In order to assess the academic status of applicants from other countries, the University requires certified copies of such an applicant's secondary school certificate submitted with their application form. The subjects as well as the levels on which the subjects were passed, must be indicated on the certificate. Certificates issued in languages other than English must be accompanied by certified English translations done by an accredited translator.

International candidates applying for admission to the School of Engineering are required to submit certified copies of the syllabi for Mathematics, Physics and Chemistry (approximately 200-300 words for each subject) passed during the final year of school.

**23.4 Language**

In order for international students to immerse themselves in both the academic and social environments of the University of Pretoria, they need to be familiar with the English language.

**23.5 Study permits**

Every international student is required to have a valid



**Table 10: Admission Point Score (APS) Conversion Table**

APS	NSC	SC HG M-Score	SC SG M-Score	HIGCSE / NSSC HL	IGCSE/ GCSE		AS-Level	A-level	IB HL	IB SL	APS
					NSSC OL/ O-Level						
					Gr-11	Gr-12					
10								A	7		10
9											9
8								B	6		8
7	7 (80-100%)	A		1	A		A	C	5	7	7
6	6 (70-79%)	B	A	2	B		B	D	4	6	6
5	5 (60-69%)	C	B	3	C	A	C	E	3	5	5
4	4 (50-59%)	D	C		D	B	D		2	4	4
3	3 (40-49%)	E	D	4	E	C	E		1	3	3
2	2 (30-39%)	F	E		F	D/E				2	2
1	1 (0-29%)	G	F		G	F/G				1	1

NSC – National Senior Certificate (completed Grade 12 in and after 2008)  
 SC HG – Senior Certificate Higher Grade (completed Grade 12 before 2008)  
 SC SG – Senior Certificate Standard Grade (completed Grade 12 before 2008)  
 HIGCSE – Higher International General Certificate of Secondary Education  
 IGCSE – International General Certificate of Secondary Education

NSSC – Namibia Senior Secondary Certificate  
 A-Level – Advanced Level  
 O-Level – Ordinary Level  
 AS – Advanced Subsidiary Level  
 IB – International Baccalaureate Schools (Higher Levels and Standard Levels)



passport and Temporary Residence Permit such as a study permit, endorsed for study at the University of Pretoria. International students wishing to enter South Africa, should only apply for study permits once an official letter of admission has been received. Applications for a study permit can be made at the official representative of South Africa (Embassy, High Commission or Consular Office) nearest to the student's home in his/her country or in a neighbouring country.



### 23.6 Medical insurance

International students who are holders of study permits, or wish to apply for a study permit, must, in terms of South Africa's Immigration Act have sufficient medical aid coverage for the duration of their stay in South Africa.

International students must join one of the Medical Schemes stated below:



#### **Momentum Health** (Ingwe option)

Membership fees are payable in advance from January to December annually.

Tel: +27 (0)12 671 8511  
 E-mail: [Ronnelie.Hugo@momentum.co.za](mailto:Ronnelie.Hugo@momentum.co.za)  
[Neville.Govender@momentum.co.za](mailto:Neville.Govender@momentum.co.za)  
 Website: [www.ingwehealth.co.za](http://www.ingwehealth.co.za)



#### **BestMed Medical Scheme** (Blueprint Student option)

Membership fees are payable in advance from January to December annually.

Tel: +27 (0)12 339 9800 or 086000 2378  
 or 086000BEST  
 Fax: +27 (0)12 323 4106 or 339 9900  
 E-mail: [service@bestmed.co.za](mailto:service@bestmed.co.za)  
 Website: [www.bestmed.co.za](http://www.bestmed.co.za)



### 23.7 Programme for registration and start of the academic year: International students

International students will be required to attend both the programme organised by the Dean of Students as well as the programme organised by the International Students Division (ISD).



### 23.8 Tuition fees and other levies

A schedule of levies and the associated due dates for payment are set out in Table 4 (page 4). International students will be levied tuition fees double the amount payable by South African citizens if

- the student originates from a country other than the SADC countries; and
- the course of study of the student is not towards a research Masters or Doctoral degree.

Payments can be made by transferring funds from the student's local bank to the University's bank accounts. Details of the University's bank accounts are given in Table 3 (page 3). Should you terminate your studies, all outstanding fees become immediately payable. For your convenience refer to the currency converter at [www.xe.com](http://www.xe.com).

### 23.9 Academic year

The academic year commences in January immediately after registration and continues until December with recess periods in April, July and September.

### 23.10 Financial aid

Registered postgraduate international students may apply for University of Pretoria postgraduate bursaries. The awarding of these bursaries is subject to approval by the Research Committee and the availability of funds. Further information can be obtained from [www.up.ac.za/fao](http://www.up.ac.za/fao).

#### **Disclaimer:**

This publication contains information about regulations, policies, tuition fees, curricula and programmes of the University applicable at the time of printing. Amendments to, or updating of the information in this publication may be effected from time to time without prior notification. The accuracy, correctness, or validity of the information contained in this publication is therefore not guaranteed by the University at any given time and is always subject to verification. The user is kindly requested to, at all times, verify the correctness of the published information with the University. Failure to do so will not give rise to any claim or action of any nature against the University by any party whatsoever.

# Faculty of Economic and Management Sciences

Please note: Accounting is not a prerequisite for admission to any BCom degree

## The minimum requirements of the following selection programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English as Home Language or First Additional Language	Mathematics	APS
<i>Immediate provisional placement</i>	5 (60-69%)	6 (70-79%)	34
<i>Selection based on academic merit and the results of the IPT (See 3.4)</i>	4 (50-59%)	5 (60-69%)	30-33 (must write the IPT)
BCom(Accounting Sciences) [3 years] Closing date: 30 June	Careers: First step towards chartered accountant and other categories of accountants, financial manager, internal auditor, bookkeeper, banker, cost and management accountant, credit controller.		
BCom(Investment Management) [3 years] Closing date: 30 June	Careers: Funds manager, investment advisor, financial advisor, management accountant, management consultant, financial manager, investment broker, investment analyst.		

## The minimum requirements of the following selection programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English as Home Language or First Additional Language	Mathematics	APS
<i>Immediate provisional placement</i>	5 (60-69%)	5 (60-69%)	32
<i>Selection based on academic merit and the results of the IPT (See 3.4)</i>	4 (50-59%)	4 (50-59%)	30-31 (must write the IPT)
BCom(Financial Management Sciences) [3 years] Closing date: 30 June	Careers: Management accountant, financial advisor, financial manager, consultant, financial planner.		
BCom(Law) [3 years] Closing date: 30 June	Careers: First step towards attorney, legal advisor, advocate, prosecutor, presiding officer (magistrate or judge) and legal academic.		

## The minimum requirements of the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English as Home Language or First Additional Language	Mathematics	APS
	4 (50-59%)	5 (60-69%)	30
BCom(Econometrics) [3 years] Closing date: 30 September	Careers: Econometricians are employed by government, the central bank, private and commercial banks, leading stockbrokers and consultancies, both locally and internationally. Positions include analyst, consultant, researcher, trader/broker or academic. The work mostly entails statistical analysis (forecasting, structural and policy analysis) of economic and financial markets and interrelationships.		
BCom(Economics) [3 years] Closing date: 30 September	Careers: Economists may specialise in banking, public finance, international trade and investment or economic development. Economists are employed by government, the central bank, private and commercial banks, stock brokerage firms and consultancies, both in South Africa and around the world. Positions include analyst, consultant, researcher, trader or academic.		
BCom(Informatics) [3 years] Closing date: 30 September	Careers: Manager in information technology environment, computer software or hardware supporter, computer systems analyst, financial information systems analyst, business analyst, information facilitator, IT training, systems developer, business systems analyst.		
BCom(Statistics) [3 years] Closing date: 30 September	Careers: Statistical analyst in several industries, researcher, consultant, lecturer.		

## The minimum requirements of the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English as Home Language or First Additional Language	Mathematics	APS
	4 (50-59%)	4 (50-59%)	30
BCom(Internal Auditing) [3 years] Closing date: 30 September	Careers: Certified internal auditor, head of internal auditing section, risk manager, general manager and consultant.		
BCom Option: Taxation [3 years] Closing date: 30 September	Careers: The purpose of this package in Taxation is to equip learners with the essential knowledge and skills to enable them to perform tax-related functions both in the private and public sector environments. (An option is a focus area within an existing degree programme.)		

# Faculty of Economic and Management Sciences

Please note: Accounting is not a prerequisite for admission to any BCom degree.

## The minimum requirements of the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English as Home Language or First Additional Language	Mathematics	APS
	4 (50-59%)	4 (50-59%)	28
BCom [3 years] Closing date: 30 September	Careers: The degree does not lead to a specific vocational outcome, but offers opportunities to determine your own career outcome, within limits. Students are able to compile their own curricula with a view to work opportunities in all sectors. This offers opportunities to determine own career outcome within limits.		
BCom(Agribusiness Management) [3 years] Closing date: 30 September	Careers: Agricultural economist at banks and other agricultural and food-orientated institutions, commodity trader on future markets.		
BCom(Business Management) [3 years] Closing date: 30 September	Careers: A wide variety of opportunities in administration, finance, marketing and human resource management, including manager, teacher, lecturer, general manager, management consultant.		
BCom(Communication Management) [3 years] Closing date: 30 September	Careers: Client liaison consultant (advertising agencies), corporate communication consultant, corporate communication manager, corporate communication strategist, industrial journalist, public relations practitioner, relations manager, special events organiser, corporate social investment manager, sponsorship manager.		
BCom(Entrepreneurship) [3 years] Closing date: 30 September	Careers: Running of entrepreneurial activities and business, corporate entrepreneur, mentor to an entrepreneur, administrative manager, sales manager, shop manager, entrepreneur, business manager, business owner, retail-trade manager.		
BCom(Human Resource Management) [3 years] Closing date: 30 September	Careers: Human resource practitioner, personnel consultant, mediator, labour relations specialist, human resource manager, personnel manager, liaison officer. In the capacity as a human resource practitioner, you will be responsible for matters such as developing human resource strategies and policies, human resource planning, recruitment and selection of employees, training and development of staff, labour relations, personnel administration, etc. This degree is the first step to qualify as a human resource practitioner, psychometrist or industrial psychologist.		
BCom(Marketing Management) [3 years] Closing date: 30 September	Careers: Product manager, customer service manager, strategic marketing planning manager, sales manager, distribution manager, brand manager, advertising manager, media planner, marketing research manager, promotions manager.		
BCom(Recreation and Sport Management) [3 years] Closing date: 30 September	Careers: Sport facility manager, sport event organiser, sport and recreation manager, sport marketing.		
BCom Option: Supply Chain Management [3 years] Closing date: 30 September	Careers: The purpose of this option is to equip learners of supply chain management with the ability to participate in functional management within an integrated supply chain. This includes the disciplines of supply management, production and operations management, warehousing, transport management and supply chain strategy. (An option is a focus area within an existing degree programme.)		
BCom(Tourism Management) [3 years] Closing date: 30 September	Careers: Manager and entrepreneur in a wide range of tourism and related sectors, including attraction management, accommodation management, conference management, convention and visitor bureau management, eco-tourism, food service management, casino management, information centre management, meeting and event planning, recreation and leisure management, tour companies management, tourism education, travel agency management destination marketing, tourism research, tourism development. Presented in dual medium. A limited number of modules are presented in Afrikaans.		

## The minimum requirements of the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English as Home Language or First Additional Language	Mathematics or Mathematical Literacy	APS
	4 (50-59%)	4 (50-59%)	26
BAdmin(International Relations) [3 years] Closing date: 30 September	Careers: Diplomat, public servant, political analyst. Please note: Students cannot be admitted to a BCom degree via a BAdmin if they do not comply with the admission requirements for a BCom degree. Only presented in English.		
BAdmin(Public Management) [3 years] Closing date: 30 September	Careers: Manager in especially public sector and local government but also private sector, non-governmental organisations, international organisations and embassies. These graduates are often employed in human resource sections, planning divisions and in general administrative divisions. Please note: Students cannot be admitted to a BCom degree via a BAdmin if they do not comply with the admission requirements for a BCom degree. Only presented in English.		

## The minimum requirements of the following programme (degree) are:

Programme (Degree) Duration Closing date	The requirement is a National Senior Certificate with admission to degree studies Subjected to departmental selection Three years working experience is required
BAdmin(Public Management) Option: Public Administration [3 years] Closing date: 30 September	Careers: The option is directed towards candidates already active within the field of public administration. Candidates from national, provincial and local spheres of government will obtain entry into the programme. Candidates will gain in-depth knowledge of the administrative function, both local and international. Emphasis is placed on the three spheres of government with reference to aspects such as resources management, international administration, policy management, ethics, intergovernmental relations and the role of the state. Please note: Students cannot be admitted to a BCom degree via a BAdmin if they do not comply with the admission requirements for a BCom degree. (An option is a focus area within an existing degree programme.)

# Faculty of Humanities

## Professional degrees

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
	5 (60-69%)	5 (60-69%)	Mathematics: 4 (50-59%) or Mathematical Literacy: 5 (60-69%)	30
Degree-specific information and career opportunities				
BCommunication Pathology (Audiology) [4 years] Closing date: 30 June Departmental selection	Departmental selection is based on academic achievement, the academic literacy test and an interview. To gain admission it will be expected of candidates to achieve an APS of at least 28 in Grade 12. Only 25 students are admitted. The provisional selection process commences in August in the year preceding studies. More information can be obtained from the programme organiser. The first years of Audiology and Speech Therapy are the same.  Careers as Audiologist: Audiology, audiometry and hearing therapy, work in education and special education, hospitals, clinics, rural communities or in private practice.			
BCommunication Pathology (Speech-language Pathology) [4 years] Closing date: 30 June Departmental selection	Departmental selection is based on academic achievement, the academic literacy test and an interview. To gain admission it will be expected of candidates to achieve and APSs of at least 28 in Graad 12. Only 25 students will be admitted. The provisional selection process commences in August of the year preceding studies. More information can be obtained from the programme organiser. The first years of Audiology and Speech-language Pathology are the same.  Careers as Speech Therapist: Work in education and special education, hospitals, clinics, rural communities or in private practice.			

## Professional degrees

### The minimum requirements for the following (programmes) degrees are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
	5 (60-69%)	4 (50-59%)	-	30
Degree-specific information and career opportunities				
BSocial Work [4 years] Closing date: 30 September Departmental selection	Departmental selection takes place at the end of the first year and is based on academic merit, psychometric tests and an interview. (Refer to important information on page 19.)  Career: Social Worker.			
BA(Human Movement Science) [3 years and postgraduate] Closing date: 30 June Departmental selection	Departmental selection is based on academic merit and sport achievement. Only 80 first year students are admitted. To register as a professional Biokineticist a candidate must have successfully completed the BA(HMS) as well as the BA(HMS) Honours.  Careers: Sport, recreation, health and fitness industry, teacher, coach, sport event manager, sport facility manager, sport marketing and financial management.			
BA(Human Movement Science) (Option: Sport Psychology) [3 years and postgraduate] Closing date: 30 June Departmental selection	Departmental selection is based on academic merit and sport achievement. Only 20 first year students are admitted. To register as a professional Sport Psychologist a candidate must have successfully completed the BA (HMS) Option: Sport Psychology as well as the BA(Honours) in Psychology plus the MA Counselling Psychology (Sport).  Career: Sport Psychologist.			

## Professional degree

### The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
	5 (60-69%)	4 (50-59%)	3 (40-49%)	30
Degree-specific information and career opportunities				
BA(Law) [3 years and postgraduate] Closing date: 30 September	BA Law plus the LLB degree. (Refer to important information on page 19.)  Career: Lawyer.			

## Specialised degree

### The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
	English 6 (70-79%)	4 (50-59%)	-	30
Degree-specific information and career opportunities				
BA Languages(English Studies) [3 years] Closing date: 30 September	Careers: Advertising, media and communication, copywriting, text and document design, editing, language planning, language teaching and training (national and international), public relations, technical writing, text design, translation, publishing, tourism. (Refer to important information on page 19.)			

# Faculty of Humanities

## Specialised degrees

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
		5 (60-69%)	4 (50-59%)	-
Degree-specific information and career opportunities				
BA(Languages) [3 years] Closing date: 30 September	Careers: Advertising, media and communication, copywriting, creative writing, text and document design, editing, language planning, language teaching and training, lexicography (compilation of dictionaries), technical writing, text design, translation, diplomatic sector, tourism. (Refer to important information on page 19).  Prospective students who wish to obtain a qualification in journalism are advised to apply for BA(Languages) or BA(Own specialisation), as no first year students will be admitted for BA Languages(Journalism) in 2012.			
BPolSci(International Studies) [3 years] Closing date: 30 September	Careers: International relations, diplomatic service, political consultation, political journalism, conflict resolution, policy analysis, strategic intelligence, governance, international political economics, risk analysis. (Refer to important information on page 19.)			
BPolSci(Political Studies) [3 years] Closing date: 30 September	Careers: Policy analysis and consultation, political analysis and communication, governance, political journalism, conflict resolution, strategic intelligence, political development and mobilisation, risk analysis. (Refer to important information on page 19.)			
BSocSci(Industrial Sociology and Labour Studies) [3 years] Closing date: 30 September	Careers: Labour relations practitioner, arbitration, conflict management and resolution, labour administration and research, gender issues and dismissals, work for government institutions, parastatals, private sector and trade union organisations. (Refer to important information on page 19.)			
BHCS(Heritage and Cultural Tourism) [3 years] Closing date: 30 September	Careers: Archivist, consultant, museums (curator, management), researcher, teacher, tour leader, tour operator, tour entrepreneur and heritage resource manager. (Refer to important information on page 19.)			

## Specialised degrees

### The minimum requirements for the following selection programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
		5 (60-69%)	4 (50-59%)	-
Degree-specific information and career opportunities				
BSportSci and BSportSci (Option: Golf) [3 years] Closing date: 30 June Departmental selection	Selection for candidates interested in BSportSci is based on academic merit and sport achievement. Only 80 first year students are admitted.  Selection for candidates interested in BSportSci (Option: Golf) is based on academic merit, sport achievement and their golf handicap; 25 first-year students are admitted. Due to the fact that this degree programme has a strong physical science component, it will be to the advantage of prospective students to have Life Sciences and Physical Science on NSC level at school.  Careers: Professional sportsman/woman, coach, administrator, sports advancement officer, team manager, event organiser, teacher, fitness specialist, operator in sport tourism, agent for athletes, technical advisor, gymnasium manager, sport journalist, sport organiser at schools.			

## Specialised degree

### The minimum requirements for the following selection programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
		5 (60-69%)	4 (50-59%)	3 (40-49%)
Degree-specific information and career opportunities				
BA(Fine Arts) [4 years] Closing date: 30 June Departmental selection	Departmental selection is based on practical tests, an interview and an art portfolio which must be submitted. Students who are provisionally selected for BA(Fine Arts) or BA(Information Design) must undergo further theoretical and practical admission tests before the start of the academic year. The date for selection will be determined by the administrative official of the Department of Fine Arts and the test takes place during the last two weeks of November.  The following additional admission requirements apply: <ul style="list-style-type: none"> <li>• A portfolio of at least 12 postcard-sized colour photographs with examples of the candidates work of the most recent two years. The content of the portfolio should indicate diversity in terms of media usage.</li> <li>• 2 x A4 pencil drawings created from observations (in other words: not drawn photographs but drawings done based on observances in real life - such as humans, buildings, still life objects or animals).</li> <li>• 2 x A4 drawings on any topic that originate in the memory of the candidate and are thus done without the help of photographic references.</li> <li>• Questionnaire (personal and academic profile)</li> </ul> Approximately 60 applicants will be invited to the final selection round, based on academic merit.  Careers: Gallery manager, arts facilitator, art consultant/advisor, art educator, artist in the fine arts, artist in new media, artist in applied arts.			

# Faculty of Humanities

## Specialised degree

### The minimum requirements for the following selection programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
		5 (60-69%)	4 (50-59%)	3 (40-49%)
Degree-specific information and career opportunities				
BA(Information Design) [4 years]  Closing date: 30 June Departmental selection	<p>Departmental selection is based on practical tests, an interview and an art portfolio which must be submitted. Students who have been provisionally selected for BA(Fine Arts) or BA(Information Design), must undergo further theoretical and practical admission tests before the start of the academic year. The date for selection is determined by the administrative official of the Department of Fine Arts and takes place during the last two weeks of November.</p> <p>The following additional admission requirements apply:</p> <ul style="list-style-type: none"> <li>• A portfolio of at least 12 postcard-sized colour photographs with examples of the candidate's work of the most recent two years. The content of the portfolio should indicate diversity in terms of media usage.</li> <li>• 2 x A4 pencil drawings created from observations (in other words: not drawn photographs but drawings done based on observations in real life - such as humans, buildings, still life objects or animals).</li> <li>• 2 x A4 drawings on any topic that originate in the memory of the candidate and are thus done without the help of photographic references.</li> <li>• Questionnaire (personal and academic profile)</li> </ul> <p>Approximately 100 applicants will be invited to the final selection process, based on academic merit.</p> <p>Careers: Animator, graphic designer, illustrator, interactive designer, communications designer, art director, media production manager, designer of animation and movement graphics, design educator, media designer and typographer.</p>			

## Specialised degree

### The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
		5 (60-69%)	4 (50-59%)	-
Degree-specific information and career opportunities				
BA(Visual Studies) [3 years]  Closing date: 30 September	<p>Careers: Art and film critic, visual culture specialist, arts and culture educator, art historian, curator, visual analyst, visual consultant and media-analyst. (Refer to important information on page 19.)</p>			

## Specialised degrees

### The minimum requirements for the following selection programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
		5 (60-69%)	4 (50-59%)	-
Degree-specific information and career opportunities				
BA(Music) [3 years]  Closing date: 30 June Departmental selection	<p>Prospective students must be able to sing and play an instrument on a practical level which is equivalent to approximately Grade V Practical (Unisa/Royal Schools/Trinity) and Theory Grade III. Candidates will be tested during an audition.</p> <p>Careers: Arts and culture teacher at schools (Grade R to 9) or music centres, group music for community and pre-school learners, music entrepreneur, songs-arranger for school-based instruments, creator of simple backtracks for productions, choreographer for revues and singing games, choir conductor, organiser of community projects, playing group music instruments such as African drums, steel drums and marimbas.</p>			
BMus [4 years]  Closing date: 30 June Departmental selection	<p>Required subjects: Music with at least a 4 (50-59%) as Grade 12 subject or Grade VII Practical and Grade V Theory (Unisa/Royal Schools/Trinity) - as well as a knowledge of music notation. Departmental selection is based on a practical singing or instrument performance of 15 minutes as well as a theoretical test. Students who are provisionally selected for BMus must undergo another practical selection test. The date of this selection will take place under the auspices of the programme coordinator.</p> <p>Careers: Music teacher, music technician, solo and/or chamber music performer, orchestral musician.</p>			
BA(Drama) [3 years]  Closing date: 30 June Departmental selection	<p>Departmental selection is based on an audition during November of the year preceding studies.</p> <p>Careers: Actor (theatre, film, television and radio), physical theatre artist, theatre critic, radio and TV presenter, director, educational theatre practitioner and educator, community theatre artist and educator, light and sound operator, voice artist, stage and production manager, programme facilitator and manager, performing arts administrator, camera operator, documentary film maker, digital and new media editor, playwright, scriptwriter, play deviser, and film and theatre researcher.</p>			

# Faculty of Humanities

## BA (Own specialisation)

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
	5 (60-69%)	4 (50-59%)	-	30
Degree-specific information and career opportunities				
BA(Own specialisation option) [3 years] Closing date: 30 September	<p>Students who complete the BA(Own specialisation option), have access to a wide range of careers. Many of the careers which are indicated under other degree programmes, can be recommended to students who choose BA(Own specialisation option), because it is often possible to choose the same main subjects and elective modules in this programme as in more structured programmes. Students should approach the academics in the Faculty for advice. (Refer to important information below.)</p> <p>Please note that students who wish to follow a career as Psychologist after completion of the BA-programme with Psychology as main subject, must complete the BA(Hons) Psychology plus the MA in Clinical or Counselling Psychology successfully. (Refer to important information below.)</p> <p>Prospective students who wish to obtain a qualification in journalism are advised to apply for BA(Languages) or BA(Own specialisation), as no first year students will be admitted for BA Languages(Journalism) in 2012.</p>			
BA(Own specialisation option) [4 years] Closing date: 30 September	<p>The BA Four Year Programme is a BA degree programme which takes place over a period of four years instead of the normal three years. Prospective students cannot apply for this programme - the Faculty's admission committee determines which students will be placed in this programme. A limited number of places is available.</p> <p>Grade 12 applicants who have achieved an APS of 26 – 29 in Grade 11, must write the Institutional Proficiency Test and they will be considered based on the results of the test for the BA Four Year Programme.</p>			

## Certificate programme

### The minimum requirements for the following certificate are:

Programme (Certificate) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics or Mathematical Literacy	APS
	4 (50-59%)	3 (40-49%)	-	15-27
Degree-specific information and career opportunities				
Certificate in Sport Sciences [1 year] Closing date: 30 September Departmental selection	<p>The certificate leads to degree studies. Candidates must write the Institutional Proficiency Test in 2011 and will be considered by the Admission Committee. Candidates who have successfully completed courses presented by CEatUP must also write the Institutional Proficiency Test in 2011. These applications will be submitted to Senate for final approval.</p> <p>Students who have obtained an NSC without endorsement and have an APS of less than 28, must write the Institutional Proficiency Test. Should they pass it, they may be granted admission to the Certificate in Sport Sciences. Only 20 students are admitted to the Certificate in Sport Sciences and admission takes place on the basis of academic and sport achievement.</p> <p>Students with an NSC without endorsement and and APS of less than 28 will be permitted to apply for the Certificate in Sport Sciences if they obtain more than 60% in three of the seven modules and more than 50% in the other four modules of the Certificate in Sport Sciences, which are presented by CEatUP, and after the successful completion of the Institutional Proficiency Test. After successful completion of their first study year, an applicant for discretionary admission will be submitted to Senate, which will permit the student to register for a degree programme.</p> <p>Careers: Operator in sport tourism, agent for athletes, technical advisor, gymnasium manager, sport organiser at schools</p>			

#### Important information:

- (a) Candidates who achieved an APS of 30 in Grade 11 and comply with the minimum subjects and achievement levels in the degrees, will automatically be granted placement in the programmes, subject to the availability of space.
- (b) To retain automatic admission, learners will be expected to obtain an APS of at least 28 in Grade 12. Prospective students who have already been granted provisional acceptance in these degree programmes, but obtained at least an APS of 27 in Grade 12, will be considered by the Admission Committee should space be available.
- (c) The Admission Committee of the faculty will consider the students above once the results of the Institutional Proficiency Test are available [and depending on the availability of places].

(d) The faculty will assess satisfactory performance in the Institutional Proficiency Test in the light of its commitment to ensure that an appropriate proportion of the applicants will be drawn from the historically disadvantaged category of the population.

(e) Applicants, who have an APS of 30 but do not comply with the subject requirements, must write the Institutional Proficiency Test.

Website: [www.up.ac.za](http://www.up.ac.za)

# Faculty of Health Sciences

All programmes are subject to selection and are number limited. Closing date for applications is 30 June.

Applications of international candidates from countries where medical schools exist will not be considered for MBChB.

Website: [www.up.ac.za](http://www.up.ac.za). NBT: [www.nbt.ac.za](http://www.nbt.ac.za)

## The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration	Careers	English and an Additional NSC Language	Mathematics	Physical Science	Life Sciences	Any other two NSC subjects	APS
MBChB(Bachelor of Medicine and Surgery) Selection is based on academic merit, the Health Sciences Placement Test (NBT) and the Value-added Questionnaire <a href="#">[6 years]</a>	General medical practitioner, researcher, academic	5 (60–69%)	5 (60–69%)	5 (60–69%)	-	5 (60–69%)	35
BChD(Dentistry) Selection is based on academic merit, the Health Sciences Placement Test (NBT) and the Value-added Questionnaire. <a href="#">[5 years]</a>	Dentist, academic	5 (60–69%) for English	5 (60–69%)	5 (60–69%)	-	No minimum achievement level is required	30
BOccTher(Occupational Therapy) Selection is based on academic merit, the Health Sciences Placement Test (NBT) and the Value-added Questionnaire <a href="#">[4 years]</a>	Occupational therapist	4 (50–59%)	4 (50–59%) for Mathematics or 5 (60–69%) for Mathematical Literacy	5 (60–69%)	-	4 (50–59%)	30
BPhysT(Physiotherapy) Selection is based on academic merit, the Health Sciences Placement Test (NBT) and the Value-added Questionnaire. <a href="#">[4 years]</a>	Physiotherapist	4 (50–59%)	4 (50–59%)	4 (50–59%)	-	5 (60–69%)	30
BCur(Nursing Science) Selection is based on academic merit, the Health Sciences Placement Test (NBT) and the Value-added Questionnaire <a href="#">[4 years]</a>	General, psychiatry, midwifery and community nursing	4 (50–59%)	4 (50–59%) Recommended	4 (50–59%) Recommended	4 (50–59%) Recommended	4 (50–59%)	25
BRad(Radiography) Selection is based on academic merit and the Health Sciences Placement Test (NBT) and the Value-added Questionnaire <a href="#">[3 years]</a>	Radiographer	4 (50–59%)	4 (50–59%)	4 (50–59%)	-	4 (50–59%)	25
BDietetics(Dietetics) Selection is based on academic merit, the Health Sciences Placement Test (NBT) and the Value-added Questionnaire <a href="#">[4 years]</a>	Dietitian	4 (50–59%)	4 (50–59%)	4 (50–59%)	-	4 (50–59%)	25
BOH(Oral Hygiene) Selection is based on academic merit and the Health Sciences Placement Test (NBT) <a href="#">[3 years]</a>	Oral hygienist	4 (50–59%) for English	Mathematics or Mathematical Literacy	-	4 (50–59%)	No minimum achievement level is required	20

## The following programmes are only open to registered nurses who already have a nursing qualification

BCur(I et A) (Nursing Education) Selection is based on academic merit, experience in the workplace, compliance with the relevant admission requirements and the approval of the employer. <a href="#">[3 years]</a>	Nurse, lecturer, hospital administrator	<p>Registration as a nurse with two years' experience. Please note that Grade 12 learners cannot apply for these degree programmes.</p>					
BCur(I et A) (Nursing Management) Selection is based on academic merit, experience in the workplace, compliance with the relevant admission requirements and the approval of the employer. <a href="#">[3 years]</a>	Nurse, lecturer, hospital administrator						
BCur(I et A) (Community Nursing) Selection is based on academic merit, experience in the workplace, compliance with the relevant admission requirements and the approval of the employer. <a href="#">[3 years]</a>	Nurse, lecturer, hospital administrator						
BCur(I et A) (Clinical Nursing: Critical Care / Trauma / Paediatric Nursing / Neonatology / Advanced Midwifery and Neonatology) Selection is based on academic merit, experience in the workplace, compliance with the relevant admission requirements and the approval of the employer. <a href="#">[3 years]</a>	Nurse, lecturer, hospital administrator						

# Faculty of Engineering, Built Environment and Information Technology

## School of Engineering

### Important information:

- Grade 11 results are considered for the provisional admission of prospective students.
- A valid National Senior Certificate with admission for degree purposes is required.
- Minimum subject and level requirements, as set out below, are required. At first year level, students have a choice between Afrikaans and English as language medium. In many instances, lectures are only offered in English, for example for elective modules, specialist modules, where a lecturer is not competent in Afrikaans, or where it is not economically or practically justifiable.
- Provisional admission to the Four Year Programme in the School of Engineering is only guaranteed if prospective students meet ALL the subject requirements in the row below. If they do not, prospective students must write the Institutional Proficiency Test. The results of the Institutional Proficiency Test, together with their National Senior Certificate results will determine whether prospective students qualify for admission to the Four or Five Year Programme (now

called ENGAGE i.e. the Engineering Augmented Degree Programme).

- Provisional admission to the Four or Five Year Programme in the School of Engineering will be determined based on the fact that a candidate complies with the NSC minimum requirement of Afrikaans or English at level 5 (60-69%), Mathematics at level 6 (70-79%), Physical Science at level 5 (60-69%); an APS of 30 and the results of the compulsory Institutional Proficiency Test.
- Admission to ENGAGE i.e. the Five Year Programme in the School of Engineering will be determined on the basis of Faculty selection: the results of the Institutional Proficiency Test; the National Senior Certificate and achievement of 5 in Mathematics and 4 in Physical Science as well as a 4 in Afrikaans or English; and an APS of 25.
- Please note that prospective students may apply directly for entry into the ENGAGE Programme.

Website: [www.up.ac.za](http://www.up.ac.za)

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics	Physical Science	APS
	5 (60-69%)	7 (80–100%) or 6 (70–79%) provided 7 (80–100%) is obtained in Physical Science	6 (70-79%)	36 25–35 must write the IPT
BEng(Chemical Engineering) [4 years] Closing date: 30 September	Careers: Chemical Engineers are involved in industrial processes that convert raw materials into products with a higher economic value. This is achieved by means of physical, thermal, chemical, biological or mechanical changes to the raw materials. Industries where chemical engineers apply their knowledge are the petroleum, food, minerals processing, power generation as well as the paper and pulp industries. Water and effluent treatment as well as environmental engineering activities including air pollution control also need the expertise chemical engineers can offer. Like other engineering disciplines, chemical engineers are involved in research and development, techno-economic evaluation, equipment and plant design, process control and optimisation, construction, commissioning, operation and management and final product marketing and distribution.			
BEng(Civil Engineering) [4 years] Closing date: 30 September	Careers: Civil Engineers design, build and maintain constructions such as tower blocks and skyscrapers, dams, canals and pipelines, roads, bridges, tunnels, railways, airports, power stations, television towers, water works and out-fall installations. They are involved in financial modelling, feasibility studies and the management and rehabilitation of large asset portfolios.			
BEng(Computer Engineering) [4 years] Closing date: 30 September	Careers: Computer engineers are active in all fields of the “Information Super Highway” and the ICT world, which include the fields of computer systems, software engineering, computer and communications networks, wireless sensor networks, embedded software, electronics, SMART control systems and automation, data security, e-commerce, pattern recognition (face and speech recognition), artificial intelligence, etc. They specialise in combining hardware, software and communication technologies to optimize system performance.			
BEng(Electrical Engineering) [4 years] Closing date: 30 September	Careers: Electrical engineers are active in the generation, storage, transmission, distribution and utilization of electrical energy. There is a brilliant future in renewable energy. Electrical engineers design, supervise the construction, oversee the optimal operation and assure perfect and timely maintenance of all electrical installations for municipalities, residential areas, commercial buildings, factories, mines and industries. Rail transport, water pumping, electrical grids, telecommunications, energy management and SMART lighting are all fields of application of electrical engineering.			
BEng(Electronic Engineering) [4 years] Closing date: 30 September	Careers: Electronic engineers are active in all fields eg. telecommunications (fixed network, wireless, satellite, television, radar, RF, etc), entertainment, medical (MRI, X-ray, CPR, IR tomography, EEG, ECG, rehabilitation engineering, biokinetics, etc), integrated circuit design, bio-engineering, military (vehicle electronics, smart bombs, night vision, laser systems, etc), transport (e-tag, speed measuring, railway signalling, GPS, mapping), SMART dust, safety and security systems (face and speech recognition), banking (ATM), commerce, robotics, education, environmental management, tourism and many more.			
BEng(Industrial Engineering) [4 years] Closing date: 30 September	Careers: Industrial Engineers design, test, implement and manage a wide range of man/machine systems for the delivery of production and services. Organisational matters which require optimisation include site selection and layout of facilities, manufacturing, inventory control, materials handling, supply chain management, quality management, cost control, financial services, maintenance, reliability, computer simulation, information systems, human resources and business law.			
BEng(Mechanical Engineering) [4 years] Closing date: 30 September	Careers: Mechanical and aeronautical engineers are concerned with power-generating machines and systems such as vehicles, ships, airconditioners, pebble bed nuclear reactors, aeroplanes, engines and turbines, robots and biomedical systems. Areas of specialisation include product design and manufacturing (e.g. design, testing and improvement of mechanical, electrical, pneumatic and hydraulic systems), marine engineering and naval architecture, bio-medical engineering, air-conditioning and refrigeration, aerospace systems and aircraft/missiles engineering, vehicle engineering, maintenance engineering and energy management (e.g. gas and steam turbines, nuclear power reactors, petrol engines, cooling towers and renewable energy systems).			
BEng(Metallurgical Engineering) [4 years] Closing date: 30 September Presented in English only	Careers: Metallurgical engineers unlock the riches of deposits of metal ores, coal and diamonds and optimise the manufacture of metal components. They work in plants where valuable minerals are recovered from ore, where metals are produced out of the minerals and where the metals are converted into useful materials – such as steel or aluminium. The types of careers include those of production engineers, plant managers, consultants and researchers.			
BEng(Mining Engineering) [4 years] Closing date: 30 September Presented in English only	Careers: Mining engineers have a wide range of opportunities, namely mining (mine management, technical management of ventilation, rock mechanics, rock breaking, mineral resources), financial evaluation and management (mine design, mine financial evaluation, mine feasibility studies, mine environmental impact studies), mining and drilling contracting (mining, tunnelling, shaft sinking, mine development, ore evaluation), mining research, mining equipment design and manufacture, mining marketing and mining administration at national, provincial or international level.			

# Faculty of Engineering, Built Environment and Information Technology

## School for the Built Environment

### Important information:

All the programmes in the School for the Built Environment involve selection procedures based on academic merit. For BSc(Architecture), BSc(Landscape Architecture) and BSc(Interior Architecture) selection is based on academic merit, departmental selection tests and an interview.

All the Built Environment degree programmes have a limited capacity.

Only first choices will be considered for BSc(Architecture) and BSc(Interior Architecture).

Both Afrikaans and English are used in one lecture or only one language is used, depending on the composition of the group of students.

Website: [www.up.ac.za](http://www.up.ac.za)

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics	Physical Science	APS
	5 (60-69%)	4 (50-59%)	4 (50-59%)	27
BSc(Architecture) [3 years] Considered only as first study choice Selection programme - selection includes an interview Closing date: 30 June	Careers: Candidate senior architectural technologist is the first step to registration as architect. Technologists can design designated building types and also provide assistance in practice to architects, interior architects and urban designers. Their responsibilities include the documentation of projects, project administration and site management. A further two years of study is required for registration as a candidate professional architect.			
BSc(Interior Architecture) [3 years] Considered only as first study choice Selection programme - selection includes an interview Closing date: 30 June	Careers: Candidate interior designers, the first step to future registration as senior interior designer or interior architect. Technologists provide assistance in practice to interior architects and designers, architects and product designers; their responsibilities include the documentation of projects, project administration and site management. A further two years of study will in future be required for registration as a candidate professional interior architect.			

### The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics	Physical Science or Life Sciences or Geography	APS
	5 (60-69%)	4 (50-59%)	4 (50-59%)	27
BSc(Landscape Architecture) [3 years] Selection programme - selection includes an interview Closing date: 30 June	Careers: Candidate senior landscape architectural technologists can design designated building types and it is also the first step to registration as landscape architect. Technologists provide assistance in practice to landscape architects, architects, urban designers and environmental practitioners. Their responsibilities include the documentation of projects, project administration and site management. A further two years of study is required for registration as a candidate professional landscape architect.			

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics	Physical Science or Accounting	APS
	5 (60-69%)	4 (50-59%)	4 (50-59%)	27
BSc(Construction Management) [3 years] Selection programme Closing date: 30 June	Careers: After completing the three-year undergraduate programme, the student could enter a career in among others, construction site management or subcontract work. On completion of the ensuing two-year honours programme, the graduate is able to register as a professional construction manager and opportunities become much wider, including project management, property development, portfolio management, commercial marketing and managerial positions in the corporate environment.			
BSc(Quantity Surveying) [3 years] Selection programme Closing date: 30 June	Careers: Quantity surveying is the science that delivers specialised financial and contractual services and advice to clients in the building and construction industry, as well as related industries. The three-year undergraduate degree is the first step towards registration as quantity surveyor. The ensuing two-year honours programme leads to registration as candidate professional quantity surveyor. Career opportunities, apart from those in the private, government or semi-governmental sectors, also exist in the property, banking, mining and manufacturing industries.			
BSc(Real Estate) [3 years] Selection programme Closing date: 30 June	Careers: Apart from a future in areas such as property investment, property finance and facilities and property management, further studies to obtain an honours degree in real estate can lead to registration as a professional property valuer. Career opportunities encompass the whole spectrum of the property sector, whether as entrepreneurs in the private sector or as employees in the private, government or semi-government sectors.			

### The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics	APS
	4 (50-59%)	4 (50-59%)	25
B (Town and Regional Planning) [4 years] Selection programme Closing date: 30 June	Careers: Town and regional planner, development practitioner, urban manager, real estate analyst, researcher. While most town and regional planners act as private consultants to the public and private sector they are also employed by all three spheres of government, research agencies such as the CSIR and the HSRC, non-governmental organisations, community-based organisations, major financial institutions and property developments groups. The qualification will enable a graduate to register as a professional town and regional planner with the South African Council for Planners.		

# Faculty of Engineering, Built Environment and Information Technology

## School of Information Technology

### Important information:

All modules in the School of Information Technology are presented in Afrikaans and English where possible.

In the School of Information Technology students are admitted to the Four Year Programme in BIS(Multimedia) and the Four Year Programme in BSc(IT) Information and Knowledge Systems

based on faculty selection; the results of the compulsory Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)); results of the final Grade 12 subject achievement levels as follows: a 4 in Afrikaans or English; a 3 in Mathematics with an APS of 25.

Website: [www.up.ac.za](http://www.up.ac.za)

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics	APS
	5 (60-69%)	5 (60-69%)	30 25–29 must write the IPT
B(Information Technology) [4 years] Closing date: 30 September	Careers: Information technologist, programmer, system analyst, computer consultant, buyer of hardware and software. This programme provides knowledge and understanding of the theory and practice of programming and software engineering; theory and practice of the adoption and use of information systems in business organisations; aspects of collecting, retrieving, organising, managing and using information; philosophy, language and mathematics.  Should a candidate obtain an APS score of 25 to 29, the compulsory Institutional Proficiency Test must be written. Consideration for admission will be based on the results of the Institutional Proficiency Test, provided the quotas regarding student numbers have not been reached.		
BSc(Computer Science) [3 years] Closing date: 30 September	Careers: Programmer, systems analyst, systems architect, consultant, database administrator, network analyst, researcher.  Should a candidate obtain an APS score of 25 to 29, the compulsory Institutional Proficiency Test must be written. Consideration for admission will be based on the results of the Institutional Proficiency Test, provided the quotas regarding student numbers have not been reached.		

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics	APS
	4 (50-59%)	5 (60-69%)	30 25–29 must write the IPT
BIS(Multimedia) [3 years] Closing date: 30 September  Four Year Programme also available (see important information above)	Careers: Programmer, web designer, animation specialist, video editor, electronic artist. The programme prepares you for work at any of the following content producers: paper publications, television, radio, phone technologies and the web. You can become a hardcore coder and work for a programming company. You can develop skills in your particular area of interest, such as digital music or video, programming, graphic development, games development, web development, etc.  Should a candidate obtain an APS score of between 25 and 29, a compulsory Institutional Proficiency Test must be written. Consideration for admission will be based on the results of the Institutional Proficiency Test, provided the quotas regarding student numbers have not been reached.		
BSc(Information and Knowledge Systems) [3 years] Closing date: 30 September Four Year Programme also available (see important information above)	Careers: A graduate will differentiate him/herself in an application environment by choosing one of the following options: Applied Mathematics, Bioinformatics, Geographical Information Systems, IT and Enterprises, IT and Law and Music, Operational Research, Philosophy, Psychology or Software Development.  Should a candidate obtain an APS score of 25 to 29, the compulsory Institutional Proficiency Test must be written. Consideration for admission will be based on the results of the Institutional Proficiency Test, provided the quotas regarding student numbers have not been reached.		

### The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics or Mathematical Literacy	APS
	4 (50-59%)	3 (40-49%)	28 25–27 must write the IPT
BIS(Information Science) [3 years] Closing date: 30 September	Careers: Information and knowledge manager (manages information and knowledge resources), information / e-commerce specialist (organises, retrieves and adds value to information), consultant on information products (services and systems), information broker (acts as an infopreneur and buys and sells information products and services), system specialist/analyst/technologist (develops information systems).  Should a candidate obtain an APS score of 25 to 27, the compulsory Institutional Proficiency Test must be written. Consideration for admission will be based on the results of the Institutional Proficiency Test, provided the quotas regarding student numbers have not been reached. If Informatics is selected at first year level, an achievement level of 5 (60-69%) is required in Mathematics.		

## Faculty of Engineering, Built Environment and Information Technology

### School of Information Technology

The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	Mathematics or Mathematical Literacy	APS
	5 (60-69%)	3 (40-49%)	28 25–27 must write the IPT
BIS(Publishing) [3 years] Closing date: 30 September	Careers: Entry level job opportunities include: assisting a specific role-player in the publishing value chain (e.g. MD of a publishing house, commissioning editor, editor, production or marketing manager); market or picture research, copyright negotiations, copy-editing and proofreading, marketing and promotion, distribution and delivery.  Should a candidate obtain an APS score of 25 to 27, the compulsory Institutional Proficiency Test must be written. Consideration for admission will be based on the results of the Institutional Proficiency Test, provided the quotas regarding student numbers have not been reached.		

The requirements for the following programme (degree) are:

BCom(Informatics) [3 years] Closing date: 30 September	Refer to the Faculty of Economic and Management Sciences (see page 14).
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## Faculty of Theology

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date Careers	Afrikaans or English	APS
BTh(for admission to MDiv studies) [4 years] Closing date: 30 September Presented in separate groups in one language only (Afrikaans or English) Careers: First step to MDiv. Minister, pastor, priest, preacher in certain denominations, missionary and youth counsellor (see important information below).	4 (50–59%)	25 23–24 must write the IPT
BA(Theology) (not for admission to MDiv studies) [3 years] Closing date: 30 September Presented in separate groups in one language only (Afrikaans or English) Careers: Minister, pastor, priest, preacher in certain denominations, missionary and youth counsellor (see important information below).		

The minimum requirements for the following programme (diploma) are:

Programme (Diploma) Duration Closing date Careers	Afrikaans or English	APS
Dipl(Theol) University Diploma in Theology [3 years] Closing date: 30 September Presented only in English Careers: Minister, pastor, priest, lay preacher in certain denominations, missionary, youth counsellor (see important information below).  The University Diploma in Theology is intended for persons who have completed Grade 12 (or its equivalent), but without the required university admission. The diploma consists of the same subjects as the two degrees in Theology and students who excel can continue with postgraduate studies later.	3 (40–49%)	22 20–21 must write the IPT

#### Important information:

The requirements for the degrees are a National Senior Certificate with four 20-credit subjects with a rating of 4 from the designated subject list.

Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)): Applicants for BTh and BA(Theol) with an APS of 23 and 24 or more, and for Dipl(Theol) with an APS of 20 and 21 or more, can be admitted, based on the results of the NBT.

Candidates should consult their church leadership on which would suit their aims best. If prospective students are interested in ordained ministry, this should also be discussed with their church leadership. With a degree or diploma in the theology you can serve as a minister, pastor, priest, or as a lay preacher, a missionary or a youth counsellor. These challenging and fulfilling careers demand deep insight, a

practical approach to matters, caring for people and the ability to communicate well with all kinds of people.

Many possibilities exist to serve one's community, although not necessarily within the auspices of the church. Examples of such careers are ethic consultants to businesses, teachers, journalists and writers, philosophers or politicians, psychologists or lawyers, human resources practitioners or engineers, medical scientists or mathematicians. Moral and ethical issues crop up in every career. Informed decisions on difficult issues are necessary. Theology empowers students with skills to cope in a complex environment.

Website: [www.up.ac.za/theology](http://www.up.ac.za/theology)

# Faculty of Natural and Agricultural Sciences

## Biological Sciences

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics <i>(Mathematical Literacy not accepted)</i>	Physical Science	Two other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Physical Science	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Mathematics	4 (50–59%)	30
BSc(Biochemistry) [3 years] Closing date: 30 September	Careers: Biochemistry offers virtually unlimited opportunities for an exciting and challenging career in industry (fine chemicals, food and pharmaceutical industry and waste processing firms) and research councils, such as the Medical Research Council (MRC), the Agricultural Research Council (ARC), the Cancer Association of South Africa and the Water Research Commission, as well as institutes, academic institutions, the CSIR and forensic and pathology laboratories. Career opportunities include those of researcher, teacher, lecturer and medical representative. Bioinformatics graduates are comfortable in work environments such as universities, research institutes, pharmaceutical companies, biotechnology companies and related industries.					
BSc(Biological Sciences) Closing date: 30 September	This is a generic first-year programme in Biological Sciences. Students who are not sure which specialisation degree programme to choose, may apply for this programme. Students who intend applying for admission to the MBChB, B Dietetics or BChD in the second semester when places become available in those programmes may register for the BSc(Biological Sciences) modules, replacing Mathematics (WTW134) with Science and World Views (FIL155), People and their Environment (MGW112) and Medical Terminology (MTL1 80), with the provision that these students, should they not be selected and should they wish to continue with the Biological Sciences programme, must take Mathematics (WTW134) in the second semester of their first year. Students who wish to apply for admission to one of the BVSc places that become available in the first semester of 2012 may register for the prescribed subjects of Biological Sciences and for MTL 181 in their first semester. These students must register for WTW 134 in the first semester.					
BSc(Biotechnology) [3 years] Closing date: 30 September	Careers: Graduates find work mostly as laboratory based researchers or bio-entrepreneurs using medical, animal, plant or microbe-based technologies to develop products and services. If students combine biotechnology with additional qualifications such as law, they will be equipped for success in careers such as patent law, pharmaceutical sales and marketing, project management, computer programming (natural computation) and science journalism. Please note that the level of training/qualification plays an important role in determining what type of work a qualified biotechnologist can become involved in.					
BSc(Ecology) [3 years] Closing date: 30 September	Careers: Environmentally based statutory and private conservation organisations, organisations involved in the direct or indirect use of natural resources and academic and training institutions.					
BSc(Entomology) [3 years] Closing date: 30 September	Careers: Employment at nature reserves, environmental consultancies, conservation planning agencies, the biochemical and biotechnology industries, medical and veterinary research, pest management, educational and research institutions, IT related fields and the corporate sector.					
BSc(Genetics) [3 years] Closing date: 30 September	Careers: Graduates in genetics generally choose to work as molecular biologists, medical or clinical geneticists, cytogeneticists, biotechnologists, agricultural scientists, molecular ecologists, forensic scientists, genetic counsellors, bioinformaticists and computational analysts, veterinary scientists, teachers or lecturers at various institutions and in bioscience related industries. If students combine genetics with additional qualifications such as law, they will be equipped for success in careers such as patent law, pharmaceutical sales and marketing, project management, computer programming (natural computation) and science journalism. Please note that the level of training/qualification plays an important role in determining what type of work a qualified geneticist can become involved in.					
BSc(Human Genetics) [3 years] Closing date: 30 September						
BSc(Human Physiology) [3 years] Closing date: 30 September	Careers: Research is performed in cooperation with medical teams in private and government research laboratories, such as the CSIR and the MRC, the South African Bureau of Standards (SABS), pharmaceutical firms, universities, veterinary and industrial institutions, state departments (for example, the Department of Health) and health farms. Physiologists are also found in various other fields, such as education (teachers, lecturers and instructors), sport physiology, biostatistics, bioengineering, industrial hygiene, journalism, medical technology and in the industry as representatives of pharmaceutical firms. Graduates who completed their degrees with Genetics and Psychology also have access to postgraduate programmes offered by the departments of Genetics and Psychology (in the Faculty of Humanities).					
BSc(Human Physiology, Genetics and Psychology) [3 years] Closing date: 30 September						
BSc(Medical Sciences) [3 years] Closing date: 30 September	Careers: Postgraduate studies are highly recommended. Honours, master's and doctoral degrees can be obtained in any of the subdisciplines of Anatomy, namely neuro-anatomy, clinical anatomy, cell biology, physical and forensic anthropology, histology and embryology. Students who obtain this degree can also continue with postgraduate studies in physiology, genetics and pharmacology. Career opportunities include research in any of the Anatomy subdisciplines, academia, forensic sciences and the health science industry. Other careers that can be considered are in the sport sciences, virology, chemical pathology, immunology, health administration or ergonomics. Technical careers, for example, in the anatomy or physiology departments of universities, are also possible. There are only 72 places in the first year of BSc(Medical Sciences). Students who apply for Medical Sciences as their first choice before 30 September and who meet the minimum entrance requirements will be admitted until the places are full. Students who indicate it as their second choice and who meet the minimum entrance requirements will be put on a waiting list and will be considered in January of the first year of study, if places are available.					

# Faculty of Natural and Agricultural Sciences

## Biological Sciences (cont.)

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics <i>(Mathematical Literacy not accepted)</i>	Physical Science	Two other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Physical Science	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Mathematics	4 (50–59%)	30
BSc(Microbiology) [3 years] Closing date: 30 September	Careers: Microbiologists can pursue a variety of careers, ranging from practical applications to basic research. Career opportunities are available in the food, dairy, beer, wine and baker's yeast industries, in the fermentation industry, at mines with regard to corrosion control, as medical or veterinary microbiologists, as researchers at organisations such as the CSIR, the MRC or the ARC, or as lecturers and researchers at various academic institutions.					
BSc(Plant Science) [3 years] Closing date: 30 September	Careers: Careers range from working in a laboratory to studying plants in their natural environment. Employment could be at biotechnology and pharmaceutical firms, South African National Parks, private ecological companies, research institutions such as the CSIR, the ARC, South African National Biodiversity Institute, etc.					
BSc(Zoology) [3 years] Closing date: 30 September	Careers: Graduates of the Department of Zoology and Entomology can look forward to a range of exciting career prospects. They could be employed at nature conservancies, environmental consultancies, conservation planning agencies, medical and veterinary research, the biochemical and biotechnology industries, educational institutions, IT-related fields and the corporate sector. Career opportunities include the full spectrum of potential activities involved in modern research, development and training. These range from fulltime involvement in the field or laboratory to full-time training activities, and usually include a stimulating combination of analytical work, fieldwork and human resources related work.					

### Conditional admission pertaining to the degrees listed above:

Candidates who do not comply with these entrance requirements, who achieved an APS of 30 and a rating of 4 (50–59%) for Mathematics and Physical Science and who wrote the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) may be considered for placement in the BSc or the BSc Four Year Programme (see page 31).

### Candidates who do not comply with any of the requirements as set out above:

The requirement for the extended BSc Four Year Programme: Biological and Agricultural Sciences is: An APS of 22, 4 in Afrikaans or English, 4 in an additional NSC language, 4 in Mathematics (or 3, provided 4 is obtained in Physical Science), 4 in Physical Science (or 3, provided 4 is obtained in Mathematics). See important information on page 31. The Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) is compulsory.

## BSecEd(Sci) Science Education

The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics <i>(Mathematical Literacy not accepted)</i>	Physical Science	Two other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Physical Science	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Mathematics	4 (50–59%)	30
BSecEd(Sci) (Biology Education) [4 years] Closing date: 30 September	Careers: Teacher, training officer.					

### Conditional admission pertaining to this degree:

Candidates who do not comply with these entrance requirements, who achieved an APS of 30 and a rating of 4 (50–59%) for both Mathematics and Physical Science and who wrote the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) may be considered for placement on the BSecEd(Sci) or the BSc Four Year Programme (see page 31).

### Candidates who do not comply with any of the requirements as set out above:

The requirement for the extended BSc Four Year Programme: Biological and Agricultural Sciences is: An APS of 22, 4 in Afrikaans or English, 4 in an additional language, 4 in Mathematics (or 3, provided 4 is obtained in Physical Science), 4 in Physical Science (or 3, provided 4 is obtained in Mathematics). See important information on page 31. The Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) is compulsory.

# Faculty of Natural and Agricultural Sciences

## Physical Sciences

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics <i>(Mathematical Literacy not accepted)</i>	Physical Science	Two other NSC subjects	APS
BSc(Chemistry) [3 years] Closing date: 30 September	4 (50–59%)	4 (50–59%)	5 (60–69%)	5 (60–69%)	4 (50–59%)	30
BSc(Environmental and Engineering Geology) [3 years] Closing date: 30 September	Careers: Geologist, mineralogist, extraction metallurgist, economic geologist, geochemist, environmental and engineering geologist, geohydrologist, laboratory specialist, consultant.					
BSc(Environmental Sciences) [3 years] Closing date: 30 September	Careers: Environmental consultant, air quality manager, environmental impact analyst, environmental protection agent, hazardous material specialist, public health educator, researcher, water quality specialist, natural resource manager, risk manager, environmental educator, wetlands scientist, wildlife conservationist, environmental planner and analyst, wastewater treatment expert, programme and project manager, natural resources expert, researcher.					
BSc(Geography) [3 years] Closing date: 30 September	Careers: There are three main career fields in geography: teaching, research and the application of geographical knowledge and skills in practice. Geographers can focus on environmental management, urban issues such as squatting, regional and rural development, or environmental issues, including pollution and the destruction of ecosystems through activities such as mining, agriculture and tourism. Geographers in the private sector are generally employed by real estate, planning, architectural and engineering firms, banks, tourism organisations, environmental conservation bodies and industry. Government departments involved in forestry, water and land affairs, the environment, tourism and education also employ geography graduates. Parastatal organisations such as the SABS and the CSIR offer career opportunities in the various specialised fields related to the earth and environmental sciences. Many geographers are self-employed. They are mainly involved in areas such as marketing, planning, development, tourism, cartography, GIS, remote sensing, environmental analysis and environmental auditing. Graduates can also pursue an academic career.					
BSc(Geoinformatics) [3 years] Closing date: 30 September	Careers: Graduates are employed in the following areas: agriculture, mineral exploration, engineering, forestry, water resource management, weather forecasting, environmental impact assessment (EIA), land use planning, land development, rural community development, transport planning, tourism, market research, crime prevention, vehicle tracking, cartography, GIS technology, environmental planning and analysis, disaster and environmental management.					
BSc(Geology) [3 years] Closing date: 30 September	Careers: Large international mining companies are major employers of geologists and other geoscientists in research, exploration and mining projects. However, employment is increasingly to be found in smaller, entrepreneurial firms ('juniors'). Interesting careers are also offered with the Council for Geosciences, the CSIR, the Council for Mineral Technology (MINTEK), the Department of Water Affairs and at museums, engineering firms and consulting companies. Graduates may even operate as self-employed consultants in their own firms. Laboratory specialists like mineralogists identify and examine minerals using sophisticated instruments and analytical equipment. Environmental and engineering geologists study the interaction between human activities and the geological environment, such as the pollution of soil and groundwater. They investigate geological structures and soil, and rock properties at construction sites, for example, dams, tunnels and mines, in order to provide valuable information prior to construction. They also locate and evaluate suitable construction materials. The task of the hydrogeologist is to look for groundwater and monitor the responsible exploitation of that water.					
BSc(Meteorology) [3 years] Closing date: 30 September	Careers: Meteorologists are employed by institutions involved in the study, interpretation and prediction of weather and phenomena relating to the climate. The SAWS, the CSIR, some universities, agricultural institutions and general industries employ meteorologists who mainly practise as specialists in the following areas. Researchers: They research all aspects of the weather and climate in order to improve understanding of atmospheric phenomena. Atmospheric modellers use supercomputers to solve complex flow dynamic equations of the atmosphere. The monitoring of air quality and the modelling of the impact of air pollution on society are two important aspects that need to be addressed. Research into climate change is receiving increasing attention. Weather forecasters: It is the duty of the forecaster to analyse data and predict the weather by using models that are run on supercomputers. Weather forecasts are issued on different time scales, from very short-range forecasting to forecasts valid for months ahead, and seasonal forecasts. There are also some private weather forecasting positions such as presenting the weather on television. Climatologists: They manage important datasets that contain large volumes of information gathered by the SAWS and other organisations. Consultants: Some meteorologists who work as consultants in the private sector and at universities provide specialised research services. Lecturers: A few academic positions are available for meteorologists and climatologists at South African universities. They ensure that the training of meteorologists meets international standards.					

# Faculty of Natural and Agricultural Sciences

## Physical Sciences (cont.)

The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics (Mathematical Literacy not accepted)	Physical Science	Two other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	5 (60–69%)	5 (60–69%)	4 (50–59%)	30
BSc(Physics) [3 years] Closing date: 30 September	Careers: University academics whose duties include lecturing, research and the supervision of postgraduate students, researchers in national laboratories such as the Nuclear Energy Corporation of South Africa, the South African Astronomical Observatory or iThemba LABS (Laboratory for Accelerator-based Sciences), researchers in industry such as the CSIR or Element Six, science advisors for non-governmental organisations, industry or government, radiation scientists, medical and biophysicists, atmospheric scientists and climatologists, developers of renewable energy sources, geophysicists, innovators and entrepreneurs, computational scientists, etc. International collaboration with experts from abroad.					

### Conditional admission pertaining to the degrees listed above:

Candidates who do not comply with these entrance requirements, who achieved an APS of 30 and a rating of 4 (50–59%) for either Mathematics or Physical Science, provided the other symbol for either Mathematics or Physical Science has a rating of 5 (60–69%), and who wrote the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) may be considered for placement on the BSc or the BSc Four Year Programme (see page 31).

### Candidates who do not comply with any of the requirements as set out above:

The requirement for the extended BSc Four Year Programme Physical Science is: An APS of 22, 4 in Afrikaans or English, 4 in an additional NSC language, 4 in Mathematics (or 3, provided 4 is obtained in Physical Science), 4 in Physical Science (or 3, provided 4 is obtained in Mathematics). See important information on page 31. The Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) is compulsory.

## BSecEd(Sci) Science Education

The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics (Mathematical Literacy not accepted)	Physical Science	Two other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	5 (60–69%)	5 (60–69%)	4 (50–59%)	30
BSecEd(Sci)(Mathematics and Physical Science) [4 years] Closing date: 30 September	Careers: Teacher, training officer.					

### Conditional admission pertaining to this degree:

Candidates who do not comply with these entrance requirements, who achieved an APS of 30 and a rating of 4 (50–59%) for Mathematics and Physical Science and who wrote the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) may be considered for placement on the BSecEd (Sci) or the BSc Four Year Programme (see page 31).

### Candidates who do not comply with any of the requirements as set out above:

The requirement for the extended BSc Four Year Programme: Physical Science is: An APS of 22, 4 in Afrikaans or English, 4 in an additional NSC language, 4 in Mathematics (or 3, provided 4 is obtained in Physical Science), 4 in Physical Science (or 3, provided 4 is obtained in Mathematics). See important information on page 31. The Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) is compulsory.

## Agricultural and Food Sciences

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics (Mathematical Literacy not accepted)	Physical Science	Two other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Physical Science	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Mathematics	4 (50–59%)	30
BSc(Animal Science) [3 years] Closing date: 30 September	Careers: Animal scientists, animal nutritionists, animal physiologists, animal breeders and geneticists. An animal and wildlife scientist can be a commercial or game farmer or can be involved in the management of a farm or game park and can practise as specialist consultant, researcher or counsellor. He or she can be involved in the management of the natural environment according to ecological principles, and can be a business entrepreneur, administrator, teacher or lecturer. Note: the minimum requirement for registration as a professional animal scientist is a BSc(Hons)(Animal Science).					
BSc(Food Science) [3 years] Closing date: 30 September	Careers: Food scientists with highly marketable training and professional skills work in South Africa and abroad as food risk investigators, quality and safety assurance managers, food chemists, food microbiologists and biotechnologists, packaging and shelf life specialists, safety auditors, product and process development managers, technical sales and marketing advisors, sensory scientists, food bioscientists (brew masters, flavourists) in the food, food agro-processing and related industries. The work environment of food scientists includes laboratories, food production plants and business premises, training areas, retail, government institutions and research organisations. Food scientists also work in industries and companies that manufacture and supply materials (packaging and food additives, such as colourants and flavourants) for the food industry or that have secondary involvement in food production and sales.					

# Faculty of Natural and Agricultural Sciences

## Agricultural and Food Sciences (cont.)

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics (Mathematical Literacy not accepted)	Physical Science	Two other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Physical Science	5 (60–69%) or 4 (50–59%) provided 5 is obtained for Mathematics	4 (50–59%)	30
BSc(Food Management) [4 years] Closing date: 30 September	Careers: Food service manager, quality controller, teacher, researcher, food product developer, marketer, entrepreneur, consultant, food journalist, teaching and training.					
BSc(Nutrition and Food Science) [3 years] Closing date: 30 September	Careers: The need for graduates with training in both disciplines of nutrition and food science is recognised internationally and is a reality in South Africa. This combination provides career opportunities as food and nutrition analysts, nutrition and food health risk investigators, food systems compliance managers, nutritional foods product developers, packaging and labelling specialists, sensory scientists, food and nutrition legislation specialists, key account managers and advisors in the food, health and consumer sectors.					
BSc(Agric)(Food Science and Technology) [4 years] Closing date: 30 September	Careers: Food scientists with highly marketable training and professional skills work in South Africa and abroad as food risk investigators, quality and safety assurance managers, food chemists, food microbiologists and biotechnologists, packaging and shelf-life specialists, safety auditors, product and process development managers, technical sales and marketing advisors, sensory scientists, food bioscientists (brew master, flavourist) in the food, food agro-processing and related industries. The work environment of food scientists includes laboratories, food production plants and business premises, training areas, retail, government institutions and research organisations. Food scientists also work in industries and companies that manufacture and supply materials (packaging and food additives, such as colourants and flavourants) for the food industry or that have secondary involvement in food production and sales.					
BSc(Agric)(Agricultural Economics/Agribusiness Management) [4 years] Closing date: 30 September	Careers: Agricultural economists are involved in many different areas of the economy. Some are involved in analysing and understanding consumers' behaviour in terms of their wants, needs and willingness to pay for food and clothing. Other agricultural economists are involved in environmental management and assisting government and businesses to ensure the sustainable usage of scarce resources such as water and arable land. Some agricultural economists are traders on global financial markets and work at the Johannesburg Stock Exchange (JSE) in Sandton or at Wall Street in New York. Some other agricultural economists work for banks and finance food processors such as bakers and brewers, while others finance farmers and input suppliers. Some agricultural economists work for the government, advising them on how to ensure that there is enough food for all the people in the country, while other agricultural economists work in commercial banks, advising clients and managers how to manage finance, risk and commodity markets. Agricultural economists also play a vital part in research and development in the agricultural sector. Agricultural economists travel a lot and meet many interesting people. They travel both locally and to most other parts of the world such as Africa, the USA, China, South America, Australia and Europe. They do this to buy the best inputs to produce food and clothing, but also to identify and understand markets for products. Therefore, an agricultural economist is somebody who is interested in people and their culture, in nature, but also in business and management. An agricultural economist needs to be able to interact with people, but also use statistics and mathematics to understand the interaction between people, nature and the economy.					
BSc(Agric)(Animal Science) [4 years] Closing date: 30 September	Careers: Professional animal scientist, researcher, private consultant, farmer, breeder, animal feeding professional, animal physiologist, animal breeding expert. An animal and wildlife scientist can be a commercial or game farmer or can be involved in the management of a farm or game park, practise as specialist consultant in production systems, animal feeding, animal genetics or animal breeding, animal products and the management of the natural environment according to ecological principles. Animal scientists can become business entrepreneur, transport industry, administrator, teacher, lecturer, trainer. Note: BSc(Agric) graduates comply with the minimum requirements for registration as professional animal scientists.					
BSc(Agric)(Animal Science: Pasture Science) [4 years] Closing date: 30 September						
BSc(Agric)(Plant Pathology) [4 years] Closing date: 30 September	Careers: Seed cultivator, farmer, researcher, lecturer, consultant.					
BSc(Agric)(Applied Plant and Soil Sciences) [4 years] Closing date: 30 September	Careers: Education and training at schools and academic institutes. Research and management at various public and private institutions. Public sector: The ARC, Department of Water and Environmental Affairs, Department of Tourism, Department of Agriculture, Forestry and Fisheries, Department of Mineral Resources, Department of Energy, the CSIR, provincial agriculture and nature conservation departments, the South African National Biodiversity Institute, municipalities, South African National Parks, national farming and food production agencies, etc. Private sector: Companies involved in seed, fertilizer and plant protection research and development, environmental planning and management, nurseries, vegetable, fruit and ornamental cut flower production, irrigation, etc. Extension services involving knowledge transfer: Nature conservation, national and provincial departments of agriculture and the environment, environmental management and rehabilitation, nurseries, crop, turf grass and weed management, private companies servicing field crops, vegetables, medicinal and aromatic plants, fruit, ornamental and cut flower production, etc. Entrepreneur: Consultants in crop, pasture, vegetable, medicinal and aromatic plants, ornamental and cutflower production systems and landscaping enterprises. Management of own farms and nurseries for extensive (field) or intensive (tunnel/greenhouse) production systems involving various crops. Managing companies specialising in irrigation, reclamation and soil conservation.					
<b>Conditional admission pertaining to the degrees above:</b> Candidates who do not comply with these entrance requirements, who achieved an APS of 30 and a rating of 4 (50–59%) for Mathematics and Physical Science and who wrote the Institutional Proficiency Test ( <a href="http://www.nbt.ac.za">www.nbt.ac.za</a> ) will be considered for placement in the BSc(Agric) or the BSc Four Year Programme (see page 31). Please note: Students who are placed in the BSc Four Year Programme will take a minimum of five years to complete the BSc(Agric) programme.						
<b>Candidates who do not comply with any of the requirements as set out above:</b> The requirement for the extended BSc Four Year Programme: Biological and Agricultural Sciences is: An APS of 22, 4 in Afrikaans or English, 4 in an additional NSC language, 4 in Mathematics (or 3, provided 4 is obtained in Physical Science), 4 in Physical Science (or 3, provided 4 is obtained in Mathematics). See important information on page 31. The Institutional Proficiency Test ( <a href="http://www.nbt.ac.za">www.nbt.ac.za</a> ) is compulsory. Please note: Students who are placed in the BSc Four Year Programme will take a minimum of five years to complete the BSc(Agric) programme.						

# Faculty of Natural and Agricultural Sciences

## Consumer Sciences

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics <i>(Mathematical Literacy not accepted)</i>	Three other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	4 (50–59%)	4 (50–59%)	26
B Consumer Science: Clothing (Retail Management) [4 years] Closing date: 30 September	Careers: Retail management: Floor or store manager, visual merchandiser, buyer in the fashion industry, fashion advertising, fashion journalist, textile technologist (quality controller), entrepreneur.				
B Consumer Science: Foods (Retail Management) [4 years] Closing date: 30 September	Careers: Manager in restaurant, catering, food service, marketing or sales manager, education and training, journalist, consumer consultant, entrepreneur, marketing or sales manager.				
B Consumer Science (Hospitality Management) [4 years] Closing date: 30 September	Careers: Hotel and restaurant manager, hotel chef de cuisine (executive chef), hotel executive housekeeper, marketing, sales or catering manager, education and training, journalist, consumer consultant, entrepreneur.				
B Consumer Science: Interior Merchandise (Retail Management) [4 years] Closing date: 30 September	Careers: Buyer or planner in retail, retail manager, consumer advisor or facilitator, entrepreneur, interior and decor planner for home owners or corporate environments.				
B Consumer Science: Ed (Hospitality Studies) [4 years] Closing date: 30 September	Careers: Teacher in hotel keeping and catering, economics, business economics and tourism management, training and assessment official, baker, chef confectioner, food service or restaurant manager, hotel chef de cuisine, hotel executive housekeeper, entrepreneur in catering and facilitating events.				
B Consumer Science: Ed (Consumer Studies) [4 years] Closing date: 30 September	Careers: Teacher in consumer science, life skills, technology and enterprise management, training official, entrepreneur in catering and facilitating events.				

### Conditional admission pertaining to the degrees above:

Candidates who do not comply with these entrance requirements, who achieved an APS of 24 or 25 and 4 (50–59%) for Mathematics and who wrote the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) may be considered for placement in the B Consumer Science or B Consumer Science(Ed) degrees. Please note: No extended programme is offered in Consumer Science.

## Mathematical Sciences

The minimum requirements for the following programme (degree) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics <i>(Mathematical Literacy not accepted)</i>	Three other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	7 (80–100%)	4 (50–59%)	32
BSc(Actuarial and Financial Mathematics) [3 years] Closing date: 30 September	Careers: Actuarial and Financial Mathematics is a popular field with career opportunities in the business market and at investment institutions like banks and insurance companies. The skills of mathematicians are essential in portfolio management and the modelling of financial risk. This programme prepares a student for a professional career as an actuary or a financial engineer. For the actuary or actuarial technician, activities include long-term capital projects, designing the benefits of medical schemes, the management of pension funds, the determination of contributions and financial management on a sound long-term basis, the evaluation of investments in shares, property and other transactions, and the determination of the premiums and reserves for outstanding claims of insurers. The financial engineer can be employed by banks and financial institutions, brokerage firms and investment institutions. The mathematical skills of financial engineers are essential in portfolio and risk management. Activities include asset management (trading in bonds, futures and derivative instruments such as options), designing new financial products and devising strategies to control credit risk.				

### Conditional admission pertaining to the degree above:

Candidates who do not comply with the entrance requirements of the BSc(Actuarial and Financial Mathematics), who achieved an APS of 30 or 31 and a rating of 6 (70–79%) in Mathematics and who wrote the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) may be considered for the BSc(Actuarial and Financial Mathematics) or another BSc degree in Mathematical Sciences.

### Candidates who do not comply with any of the requirements as set out above:

The requirement for the extended BSc Four Year Programme: Mathematical Sciences is: An APS of 22, 4 in Afrikaans or English, 4 in an additional language and 4 in Mathematics. See important information on page 31. The Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) is compulsory.

# Faculty of Natural and Agricultural Sciences

## Mathematical Sciences (cont.)

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English	An Additional NSC Language	Mathematics <i>(Mathematical Literacy not accepted)</i>	Three other NSC subjects	APS
	4 (50–59%)	4 (50–59%)	6 (70–79%)	4 (50–59%)	30
BSc(Applied Mathematics) [3 years] Closing date: 30 September	Careers: Graduates in mathematics and applied mathematics are employed by research institutions, educational bodies (universities and schools), the public sector (government, medical institutions, etc) and the private sector (engineering companies, financial institutions, the computer industry, etc). These graduates' training in abstract, analytical and computational thinking provides them with the background to easily adjust to changing circumstances in the professional environment and to construct mathematical models of natural, technological and financial phenomena. Mathematicians and applied mathematicians apply, evaluate and adapt existing problem-solving techniques or develop new techniques to solve problems.				
BSc(Mathematics) [3 years] Closing date: 30 September					
BSc(Mathematical Statistics) [3 years] Closing date: 30 September	<p>Careers: <b>Financial institutions:</b> Statisticians specialising in economic applications of statistics (econometrics) deal with aspects such as national production and expenditure, international economic relations, employment, public finance and related issues. In the insurance business, statisticians are employed in areas such as actuarial work, marketing, share investments and property investments. Market research organisations play an indispensable role in the gathering of information that is used to improve the quality of decision-making in various industries.</p> <p><b>Industry:</b> Statisticians are increasingly employed in industries such as mining and production and government corporations, for example, Eskom, Sasol, AECI and the pharmaceutical industry in general. Organised agriculture is another vitally important industry where sophisticated statistical techniques are used to meet the growing demand for food and services.</p> <p><b>Research councils:</b> Research councils and educational institutions are well-known large employers of scientists of diverse disciplines and employ statisticians to ensure scientifically founded research outputs. These include the MRC, the CSIR and the Human Sciences Research Council. Statisticians are also involved in the training of students at universities. The challenges of modern education and good research are of great relevance, especially in South Africa.</p> <p><b>The public sector:</b> The government employs statistically proficient people in many of its departments, the most prominent being Statistics South Africa. This department is responsible for the five yearly population census and the calculation of well known economic indicators like the inflation rate.</p>				

**Conditional admission pertaining to the degrees above:** Candidates who do not comply with these entrance requirements, who achieved an APS of 30 and a rating of 5 (60–69%) in Mathematics and who wrote the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)), may be considered for placement on the BSc(Mathematical Science) or BSc(Mathematical Statistics) or for the BSc Four Year Programme (see important information below).

**Candidates who do not comply with any of the requirements as set out above:** The requirement for the extended BSc Four Year Programme: Mathematical Sciences is: An APS of 22, 4 in Afrikaans or English, 4 in an additional NSC language and 4 in Mathematics. See important information below. The Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)) is compulsory.

### Important information: The extended BSc Four and Five Year Programmes

The extended programmes are based on faculty selection, the compulsory Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)), as well as the requirements listed for the specific degrees. For more information contact Tel: +27 (0)12 420 5497/4578. These programmes provides access to science and science-based degree programmes by setting lower entrance requirements than the entrance requirements for the BSc and BSc(Agric) programmes. It offers intensive training in order to prepare students for further studies in the normal BSc and BSc(Agric) degree programmes. The programme is accessible to all Grade 12 candidates.

In the first year, lectures are presented on the Mamelodi Campus. Accommodation is available in the Tuks Naledi Residence (situated in the Savannah Estate, close to the Mamelodi Campus).

Students who successfully complete their first year will then attend lectures on the Hatfield Campus from their second academic year onwards.

Please note that the BSc Four Year Programme is only presented in English. The duration of the first phase is 18 months (3 semesters). Successful students would then have obtained credits equivalent to the first semester of the first year of the BSc and BSc(Agric) degree programmes. They may then register for the 2nd semester modules of the 1st year of BSc and BSc(Agric).  
Language medium: The medium of instruction in all the programmes in the Faculty of Natural and Agricultural Sciences is either Afrikaans or English, or both of these languages, provided that there is a demand and that it is academically and economically justifiable.

Website: [www.up.ac.za](http://www.up.ac.za)

# Faculty of Law

The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans and English OR Afrikaans/ English and another NSC language	APS
LLB [4 years] Selection course: Closing date 30 June A letter of motivation must accompany your application. A limited number of students will be admitted. Careers: Advocate, attorney, prosecutor, magistrate, legal advisor, academic.	Pass on NSC level	32*
BCom(Law) [3 years]	Please refer to the Faculty of Economic and Management Sciences (page 14)	
BA(Law) [3 years]	Please refer to the Faculty of Humanities (page 16)	

### Important information:

\*Candidates with an APS of 38 or higher will on receipt of their applications, be accepted immediately. After 30 June, the remaining spaces in the LLB programme will be filled by candidates with an APS of 32-37 by means of a selection process.

Language medium: Lectures are presented in separate groups in one language, either Afrikaans or English.

Selection: Only applicants who comply with all of the abovementioned admission requirements will be

considered for admission. Applications can not be processed without the letter of motivation. Contact Student Administration on Tel +27 (0)12 420 4265 or send an e-mail to [helen.vantonder@up.ac.za](mailto:helen.vantonder@up.ac.za) for more information.

International students must obtain a full or foreign exemption certificate from HESA before they will be considered for admission (see page 12).

Website: [www.up.ac.za/law](http://www.up.ac.za/law)

## Faculty of Education

### The minimum requirements for the following programmes (degrees) are:

Programme (Degree) Duration Closing date	Afrikaans or English as Home or First Additional Language	Mathematics or Mathematical Literacy	APS
BEd(Early Childhood Development and Foundation Phase) (Pre-School – Grade 3) [4 years] Closing date: 30 September Careers: Teacher and training official in pre-primary or primary school	4 (50-59%)	4 (50-59%)	26 22-25 must write the IPT
BEd(Intermediate Phase) (Grades 4-6) [4 years] Closing date: 30 September Careers: Teacher and training official in primary school			
BEd(Senior Phase) (Grades 7-9) [4 years] Closing date: 30 September Careers: Teacher and training official in primary or secondary school			
BEd(FET) General (Grades 10-12) [4 years] Closing date: 30 September Careers: Teacher and training official in secondary school			
BEd(FET) Human Movement Studies and Sport Management (Grades 10-12) [4 years] Closing date: 30 September Careers: Teacher and training official in secondary school			

Programme (Degree) Duration Closing date	Afrikaans or English as Home or First Additional Language	Mathematics	Physical Science	APS
BEd(FET) Natural Sciences (Grades 10-12) [4 years] Closing date: 30 September Careers: Teacher and training official in secondary school.	4 (50-59%)	5 (60-69%)	4 (50-59%)	26 22-25 must write the IPT
BEd(FET) Economic and Management Sciences (Grades 10-12) [4 years] Closing date: 30 September Careers: Teacher and training official in secondary school.	4 (50-59%)	4 (50-59%)	-	26 22-25 must write the IPT

**Important information:**

Applicants with an APS of 26 or higher will be given preference. Applicants with an APS of 22-25 may be admitted based on their performance in the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)). Final admission will depend on the decision of the Selection Committee.

Online applications: [www.up.ac.za/apply](http://www.up.ac.za/apply) (you must use a credit card to pay the application fee for online applications.)

As soon as a candidate has been admitted to the BEd degree, he or she will be informed that they have to register at the University in January of the next year. It is in a prospective student's own interest to apply as soon as possible, especially with regard to financial assistance and/or accommodation in a residence.

Website: [www.up.ac.za](http://www.up.ac.za)

## Faculty of Veterinary Science

### The minimum requirements for the following programmes are:

Programme (Degree/Diploma) Duration Closing date	Two NSC languages	Mathematics	Physical Science	Two other NSC subjects	APS
BVSc(Veterinary Science) [6 years] Closing date: 30 June  BVSc is presented in English only	One language must be English as Home or First Additional Language: both at 4 (50–59%)	4 (50–59%) provided a level 5 (60–69%) is obtained in Physical Science	4 (50–59%) provided a level 5 (60–69%) is obtained in Mathematics	4 (50–59%)	30
Careers: Veterinarian in private practice, research, academia, state veterinary services, work in private, state and provincial diagnostic laboratories, veterinary public health (milk and meat hygiene, control of transfer of disease), technical services, research and product development in pharmaceutical and food industries, consultancy, laboratory animal management, wildlife management, poultry production, animal welfare.					
DipVetNurs(University Diploma in Veterinary Nursing) [2 years] Closing date: 30 June  Veterinary Nursing is presented in English only	One language must be English as Home or First Additional Language: both at 4 (50–59%)	4 (50–59%)	4 (50–59%)	One of these must be Life Sciences: 4 (50–59%)	22
Careers: Veterinary nurses can be employed by the following institutions: private veterinary practices, veterinary academic hospitals, pharmaceutical industry, animal food industry, animal welfare societies, zoological gardens, game parks, laboratory animal units, rehabilitation centres, research centres, animal boarding establishments, organised agriculture, dairies, farming operations.					

**Important information:**

Kindly consult the admission requirements for the BSc(Biological Sciences) degree, as well as page 2 (Current and New programme) in the Faculty Brochure: Veterinary Science 2011/12 (available online at [www.up.ac.za](http://www.up.ac.za)).

All programmes involve selection procedures based on academic merit and the Institutional Proficiency Test ([www.nbt.ac.za](http://www.nbt.ac.za)). An interview may be required.

Website: [www.veterinary.up.ac.za](http://www.veterinary.up.ac.za)

# University of Pretoria

## OPEN DAY

21 May 2011

08:00 - 14:00

### Who must attend Open Day?

- ✓ Grade 12 learners who have received confirmation that they are provisionally admitted to UP
- ✓ Grade 12 learners who meet the admission requirements and wish to hand in their application forms
- ✓ Grade 11 learners who are fairly certain that they will enroll at UP
- ✓ Parents of the above learners



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