2023 Undergraduate programme information

National Senior Certificate (NSC) and Independent Examination Board (IEB)

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Note: The information reflected in this brochure is subject to changes in regulations relating to COVID-19. Amendments will reflect in the digital version of this brochure, which can be downloaded from www.up.ac.za/programmes > Undergraduate > Admission information.
1. Become a proud UP student

The University of Pretoria (UP) is a diverse and dynamic university community comprising students from all over the world.

It has nine faculties (Education; Humanities; Economic and Management Sciences; Engineering, Built Environment and Information Technology; Law; Natural and Agricultural Sciences; Theology and Religion; Veterinary Science and Health Sciences) and the Gordon Institute of Business Science (GIBS).

The University of Pretoria’s degrees are internationally recognised and are structured similarly to those of the world’s best universities. A number of professional support departments at the University help ensure that all staff and student activities, spread over six campuses, are executed with the necessary quality, relevance, diversity and sustainability.

University of Pretoria contact information

<table>
<thead>
<tr>
<th>Location</th>
<th>Postal address</th>
<th>Student Service Centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Pretoria</td>
<td>University of Pretoria Private Bag X20 Hatfield 0028 South Africa</td>
<td>+27 (0)12 420 3111 <a href="mailto:ssc@up.ac.za">ssc@up.ac.za</a></td>
</tr>
<tr>
<td>cnr Lynnwood Road and Roper Street Hatfield South Africa</td>
<td>Webiste</td>
<td><a href="http://www.up.ac.za">www.up.ac.za</a></td>
</tr>
</tbody>
</table>

University of Pretoria banking details

<table>
<thead>
<tr>
<th>Account holder</th>
<th>Bank</th>
<th>Branch</th>
<th>Swift code</th>
<th>Account number</th>
<th>Deposit reference</th>
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<tr>
<td>University of Pretoria</td>
<td>ABSA</td>
<td>Hatfield (Branch code: 632005)</td>
<td>ABSAZAJCPT</td>
<td>214 000 0038</td>
<td>Initials and surname</td>
</tr>
<tr>
<td>University of Pretoria</td>
<td>Standard Bank</td>
<td>Hatfield (Branch code: 011545)</td>
<td>SBZAZAj</td>
<td>012 602 604</td>
<td>Initials and surname</td>
</tr>
</tbody>
</table>

Minimum admission requirements

To be able to register, candidates must comply with the minimum requirements for degree studies, as well as with the minimum requirements for the relevant programme. The calculation of an Admission Point Score (APS) is based on a candidate’s achievement in SIX recognised NSC 20-credit subjects by using the NSC seven-point rating scale. Life Orientation is a 10-credit subject and may not be used for calculating the APS. Life Orientation is also not a faculty-specific subject requirement.

National Senior Certificate (NSC) seven-point rating scale

<table>
<thead>
<tr>
<th>Achievement level</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Outstanding achievement</td>
<td>80–100%</td>
</tr>
<tr>
<td>6</td>
<td>Meritorious achievement</td>
<td>70–79%</td>
</tr>
<tr>
<td>5</td>
<td>Substantial achievement</td>
<td>60–69%</td>
</tr>
<tr>
<td>4</td>
<td>Adequate achievement</td>
<td>50–59%</td>
</tr>
<tr>
<td>3</td>
<td>Moderate achievement</td>
<td>40–49%</td>
</tr>
<tr>
<td>2</td>
<td>Elementary achievement</td>
<td>30–39%</td>
</tr>
<tr>
<td>1</td>
<td>Not achieved</td>
<td>0–29%</td>
</tr>
</tbody>
</table>

Published by the Department of Enrolment and Student Administration in December 2021. Comments and queries can be directed to ssc@up.ac.za or Tel +27 (0)12 420 3111.

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 affected 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.
Special package offer to academic achievers (new first-year students in 2023)

Note: Amounts indicated in the table below are for 2022 and may be adjusted for 2023.

<table>
<thead>
<tr>
<th>ADMISSION (based on the examination results with which you apply)</th>
<th>RESIDENCE Placement (based on the examination results with which you apply)</th>
<th>FLY@UP ASSIST FIRST-YEAR STUDENTS (Achievement awards are based on the final school year examination results)</th>
<th>FACULTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualifying academic average percentage</td>
<td>Admission to study</td>
<td>Qualifying academic average percentage</td>
<td>Residence placement</td>
</tr>
<tr>
<td>85%–100% Guaranteed admission to your first or second choice non-selection programme (not applicable to selection programmes) if your application is received not later than 1 May of the year preceding commencement of studies.</td>
<td>85%–100% Guaranteed placement in a UP residence if your application is received not later than 1 May of the year preceding commencement of studies and once you are conditionally admitted to a programme.</td>
<td>75%–79,99% R6 500</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80%–84,99% R16 000</td>
<td>R6 500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>85%–89,99% R25 000</td>
<td>R16 000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>90%–100% R40 000</td>
<td>R25 000</td>
</tr>
</tbody>
</table>

Note: The University of Pretoria reserves the right to amend award values without prior notice.

Conditions

- Fly@UP Assist First-Year awards are based on the average percentage obtained (not on the number of distinctions).
- Undergraduate achievement awards are made automatically to newly registered undergraduate students who meet the award conditions. Students do not apply for these awards.
- First-year students who register for studies at UP directly after Grade 12 (final school year) or who took a gap year(s) after their final school year, who meet the award conditions, will be considered.
- Students who have previously registered at a tertiary educational institution before registration at UP will not be considered for Fly@UP Assist First-Year award. Students who registered at UP in previous years are also not considered.
- Qualifying students must be South African citizens or permanent residents in South Africa or be citizens of a SADC country.
- The average percentage for award purposes is the average of the actual percentages obtained for the six (6) best NSC/IEB/Cambridge subjects taken, excluding Life Orientation. This is for subjects taken in the final school year exams, based on the calculations done by the University of Pretoria.
- The average percentage is not rounded off.
- Certain subjects are EXCLUDED in the calculation of average percentages:
  - Life Orientation
  - Additional or Alpha Mathematics
  - Practical Music Grades 4 and 5 (Note: Practical Music Grades 6, 7 and 8 are considered for inclusion in the calculation of the average percentage—if your music report for this subject is not part of your NSC/IEB or equivalent report, please submit your official music report to your faculty/student administration offices, before 28 January for consideration.)
- The awards are finalised based on the final marks that the University receives from the Department of Basic Education for the final school year. Results obtained for papers that have been re-marked are not taken into account for award purposes.
- Awards are fully repayable if students discontinue or terminate their studies in the relevant study programme for whatever reason during the year in which the award is made.
- Awards are finalised after the close (end) of the official registration period and in accordance with the enrolled study programme at the date when the awards are processed. Any changes after this period will not be taken into consideration. If the recipient changes the study programme prior to closure of the registration period and within the year in which the award is made, the award value is determined in accordance with the enrolled study programme as at the date of the processing of the award.

Note: Be sure to read about all the various funding opportunities at www.up.ac.za/article/2749200/fees-and-funding.

Closing dates

The closing date for all selection programmes is 30 June 2022. The University of Pretoria has decided not to set a specific closing date for applications to non-selection programmes for 2023. Applications will close when the available study spaces are filled (close on availability of space). Once the available number of study places for a specific programme are filled, no further applications for that particular programme will be considered. All applicants are therefore strongly advised and encouraged to submit their applications as soon as possible after 1 April 2022 and to check the application site (UP Student Portal) regularly.

Helpful websites/links

- www.up.ac.za/programmes > Undergraduate
- www.up.ac.za/fees-and-funding
- www.up.ac.za/accommodation
- www.gostudy.mobi
- www.up.ac.za/sport
- www.nofas.org.za
- www.gostudy.net/up
- juniortukkie.online
- juniortukkieapp.co.za
- www.up.ac.za/juniortukkie
- Download the ‘UP mobile app’ from the Google Play Store or Apple Store
- UP Virtual campus – www.virtualcampus.up.ac.za

2. Apply at UP

Apply at www.up.ac.za/apply from 1 April in the year preceding your studies. Before you start with your online application process, ensure that you have the following on hand as you will be required to upload these documents with your online application.

Note: Certification of these documents is NOT required. The documents should be scanned separately. Ensure that you label these documents correctly and have no special characters in the file names and that the files are not password-protected.
- A scanned (PDF) copy of your final Grade 11 examination report indicating your promotion mark;
- A scanned (PDF) copy of your ID or your birth certificate; and
- A scanned (PDF) copy of your proof of payment of the application fee, if you paid at a bank.
3. Online application process for studies in 2023

Please read through all the steps below to determine which actions are relevant for your application to study at the University of Pretoria in 2023. Citizens from countries other than South Africa* should also take note of the steps below. All prospective students must read the important information on page 5 of this brochure as well and take note of the portions of text above each Faculty table.

Choose a programme
Read about all undergraduate programmes offered at UP from page 5 in this brochure.

- It is important to indicate a first- as well as a second-choice programme on your Online Application. The Online Application Form only makes provision for two study choices. If you want to add a third choice, or if you want to change your study choice after you have already submitted your online application, please forward your request to ssc@up.ac.za.
- Your second-choice programme will automatically be considered should your application for your first-choice programme be unsuccessful or if your first choice is a selection programme.
- Ensure that your first- and second-choice programmes meet the minimum admission requirements as well as the faculty's selection guidelines.
- Please note that certain programmes will not be considered if indicated as your second choice. Refer to the faculty tables from page 5.
- For study advice, make an appointment with a Student Advisor via Ms Carol Bosch at carol.bosch@up.ac.za.

More information is available at www.up.ac.za/programmes > Undergraduate > Admission information.

Tuition and residence fees
For more information on tuition and residence fees, go to www.up.ac.za/article/2749200/fees-and-funding.

- Fee quotation: Please go to www.up.ac.za/student-fees to get an estimation of the study fees for the programme/s that you are interested in.
- Family discount: When two or more dependent children of the same family are registered simultaneously at the University of Pretoria, they may apply for a rebate on tuition fees.
- The 2.5% discount: If the student account is paid in full (ie 100%) by 30 April, a 2.5% discount is applicable.
- Initial payment: This payment is not an additional amount payable, but the first payment towards the tuition fees.
- Residence reservation fee: This fee will be payable within 30 days after placement in a UP residence. For residence room fees, go to www.up.ac.za/accommodation.
- Fees paid by bursaries: Students must submit written proof from the sponsor of the bursary awarded to them prior to registration, otherwise they are responsible for the initial payment. The final decision regarding the acceptance of a bursary offer rests with the University.
- How and where to pay: We encourage you to make EFT or Credit card payments. Please allow at least 5 working days for the payment to reflect on your student account.
- UP banking details: See page 1.

More information is available at www.up.ac.za/student-fees.

Apply to study at UP in 2023
Apply ONLINE at www.up.ac.za/apply from 1 April in the year preceding studies.

- The closing date for all selection programmes is 30 June 2022. The University of Pretoria has decided not to set a specific closing date for applications to non-selection programmes for 2023. Applications will close when the available study spaces are filled (close on availability of space). Once the available number of study places for a specific programme are filled, no further applications for that particular programme will be considered. All applicants are therefore strongly advised and encouraged to submit their applications as soon as possible after 1 April 2022 and to check the application site (UP Student Portal) regularly.
- Before you start to complete the Online Application, please watch an online application demonstration at www.up.ac.za/juniortukkie > Study at UP > UP application process.
- Ensure that the email address that you indicate on your Online Application is correct as your temporary password and Application ID (T number) will be sent to this email address.
- Ensure that you apply before the closing dates of both your first- and second-choice programmes. The closing dates are indicated in the faculty tables—see page 5 in this brochure or go to www.up.ac.za/online-application > Closing dates.
- You will receive your student number within 10 working days after you have submitted your Online Application.
- On receipt of your student number, you will be able to track your application status on the UP Student Portal. Refer to Step 7 for instructions on how to gain access to your UP Student Portal.

More information is available at www.up.ac.za/programmes > Undergraduate > Admission information.

Apply for residence placement
The Online Application has a section to be completed if you are interested in residence placement.

- Residence placement is based on academic merit and date of application.
- The demand for accommodation by far exceeds the available spaces. Applications open on 1 April 2022. The earlier you apply the better your chances.
- Preference is given to students with an academic average of 70% and above.

More information is available at www.up.ac.za/accommodation.

- Academic achievers will receive guaranteed residence placement if they meet the following criteria:
  - applied before 1 May in the year preceding studies;
  - obtained a minimum average of 85% in the examination with which the student applies to study at UP; and
  - received conditional admission to a study programme.

Apply for bursaries and loans
Visit the relevant website for closing dates.

UP bursaries and loans
- Applications must be submitted via the UP Student Portal or www.up.ac.za/fees-and-funding. No late applications will be accepted.
- UP sports bursaries: www.up.ac.za/sport

National Student Financial Aid Scheme (NSFAS)
- For applications and comprehensive information, visit www.nsfas.org.za.

Fundi (previously known as Eduloan)
As a registered credit provider, Fundi covers a wide range of student-related necessities such as books, accessories, laptops, university and private accommodation, as well as study tuition with a fixed monthly instalment. Anyone can apply for a loan (students, parents or guardians), provided that the applicant is in full-time employment or has a registered business. For more information, visit www.fundi.co.za.

Other bursary options
- Bursaries according to field of study: www.gostudy.mobi
- The Bursary Register: Contact rlevin@mweb.co.za or +27 (0)11 672 6559

*Applicants who are not South African citizens.
3. Online application process for studies in 2023

How to access the UP Student Portal

Go to www.up.ac.za and click on My UP Login.

**Note:** A T-number is a temporary number and NOT a student number. This T-number is issued to the applicant at the beginning of the Online Application process. An applicant will receive a UP student number within 10 working days after his/her application has been submitted successfully. Applicants will only be able to access the UP Student Portal once they have received a UP student number, eg u23123456.

Please watch a video demonstration on: 'How to access the UP Student Portal' at www.up.ac.za/juniortukkie > Study at UP > UP application process.

Go to www1.up.ac.za and click on the "New user" link.

- Type in your Username (u followed by your student number) and your National ID or Passport number. Click the "Proceed" button.
- Set up your new password and confirm the password in the second block. Click the "Proceed" button.
- A message is displayed to inform the user that the password was set successfully. Click the "OK" button.
- A list of challenge questions appears. Select any three of these challenge questions and then click on the "Submit" button. Enter your answer on the three challenge questions you chose and click on the "Save" button.
- A message will be displayed to inform you that your challenge questions have been set up. Click the "OK" button.
- You are now ready to access the UP Student Portal.
- Sign in again with your username and password.

UP Student Contract

Before a student will be able to register, a contract needs to be concluded between the student and the University of Pretoria.

- Students must access the contract online on the UP Student Portal at www.up.ac.za > My UP Login.
- The contract should be completed online, and then printed and signed.
- Due to COVID-19 restrictions, the following arrangements for the submission of the contracts have been made:
  - We have a contract drop-off box at Security at the following entrances to the Hatfield Campus: Prospect Street, Roper Street and University Road, where your completed and signed original contract can be dropped off.
  - You can also post your contract to the Student Service Centre, University of Pretoria, Private Bag X20, Hatfield, 0028.
  - Or you can courier your contract to University of Pretoria (Contracts), University Road entrance, Hatfield, Pretoria, 0083.
  - The University of Pretoria does not accept faxed, scanned or emailed contracts.
- Before you start to complete the UP Student Contract, please watch a video demonstration on ‘How to complete the UP Student Contract’ at www.up.ac.za/juniortukkie > Study at UP > UP application process.

Orientation and Registration for new first-year students

- The Orientation Programme will be available on www.up.ac.za/orientation by the end of December 2022.
- Online Registration information will be available on www.up.ac.za/on-line-registration by the end of December 2022.

Special package offer to academic achievers

The special package offer to new first-year students is based on the academic average percentage obtained in the final school year end examination. (See page 2 for further information).

The special package offer includes:
- Guaranteed achievement awards (FLY@UP Assist First-year awards) to students who qualify.
- Guaranteed admission to first- or second-choice non-selection programmes for prospective students with an academic average percentage of between 85% and 100% if the application is received no later than 1 May of the year preceding commencement of studies.

**Note:** A T-number is a temporary number and NOT a student number. This T-number is issued to the applicant at the beginning of the Online Application process. An applicant will receive a UP student number within 10 working days after his/her application has been submitted successfully.

The National Benchmark Test (NBT)

The National Benchmark Test (NBT) is not required for any undergraduate programme in 2023.

Veterinary Science Value-added Form (VSVAF) and Veterinary Nurse Value-added Form (VNVAF)

- These documents will be made available on the UP Student Portal, only for prospective students in the Faculty of Veterinary Science, who meet the minimum admission requirements. Visit the UP Student Portal regularly for notices in this regard.
- For detailed information about the VSVAF and VNVAF, please refer to the Faculty of Veterinary Science undergraduate brochure at www.up.ac.za/programmes > Undergraduate > Faculty brochures.
- Be sure to complete and submit the relevant document before the due date. The Faculty will communicate the due date to applicants on the UP Student Portal under “Communications”.
- Enquiries may be directed to ssc@up.ac.za.

**Note:** A T-number is a temporary number and NOT a student number. This T-number is issued to the applicant at the beginning of the Online Application process. An applicant will receive a UP student number within 10 working days after his/her application has been submitted successfully.

The special package offer includes:
- Guaranteed achievement awards (FLY@UP Assist First-year awards) to students who qualify.
- Guaranteed admission to first- or second-choice non-selection programmes for prospective students with an academic average percentage of between 85% and 100% if
  - your application is received no later than 1 May of the year preceding commencement of studies; and
  - you have been conditionally admitted to a programme.

More information is available at www.up.ac.za/student-funding > Fly@UP Assist 1st Year Awards.
4. Undergraduate programmes

4.1 Important information for prospective students for 2023

- The admission requirements and general information in this brochure apply to students who apply for admission to the University of Pretoria with a National Senior Certificate (NSC) and Independent Examination Board (IEB) qualifications.
- The following persons will be considered for admission: Candidates who have a certificate that is deemed by the University to be equivalent to the required National Senior Certificate (NSC) with university endorsement; candidates who are graduates from another tertiary institution or have been granted the status of a graduate of such an institution, and candidates who are graduates of another faculty at the University of Pretoria.
- Applicants with qualifications other than the abovementioned should refer to: Brochure: Undergraduate Programme Information 2022: Qualifications other than the NSC and IEB, available at www.up.ac.za/programmes > Undergraduate > Admission information.
- Website: www.up.ac.za/international-cooperation-division.
- School of Tomorrow (SOT) and Accelerated Christian Education (ACE): The University of Pretoria no longer accepts qualifications awarded by these institutions.
- General Education Development (GED): South African GED graduates who graduated up to 2019 may be considered for admission provided they qualify for an exemption certificate issued by USAF and comply with university admission requirements, as well as faculty subject requirements. South African GED graduates who graduated after 2019 cannot be considered for admission to UP as the diploma is not accredited by USAF and will not be considered for exemption. Applicants from the USA who completed the GED may apply for a Foreign Conditional Exemption Certificate issued by USAF accompanied by their SATTOEFL/IELTS results.
- National Certificate (Vocational) (NCV) Level 4: The University of Pretoria may consider NCV candidates, provided they meet the exemption for bachelor's status criteria and the programme requirements.
- Online application: Apply from 1 April at www.up.ac.za/apply. The Online Application makes provision for two study choices. The demand for admission into programmes at the University of Pretoria by far exceeds the availability of study spaces. It is therefore sensible to add a second-choice programme on the Online Application.

University of Pretoria website: www.up.ac.za/education
- Refer to the important information for prospective students in par 4.1.

National Benchmark Test (NBT): The NBT is not an admission requirement for any study programme at the University of Pretoria in 2023.

First- and second study choices: Prospective students' preferred programme should be indicated as their first study choice. Applicants whose applications for their first study choice are unsuccessful, will automatically be considered for admission into their second study choice programme. For suggested second-choice programmes that may provide a chance for reconsideration for the applicant's first study choice during the first year of study, refer to the faculty tables. The second choices are merely suggestions and must not be seen as compulsory second choices. Remember that admission to your second-choice programme does not guarantee later admission to your first choice of programme.

Life Orientation is excluded when calculating the APS.

Grade 11 results are used for the conditional admission of prospective students.

All modules will only be presented in English, as English is the language of tuition, communication, and correspondence.

Closing date information is indicated by means of a red font number beside the programme name that refers to the footnote at the bottom of the page.

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**Faculty of Education**

- It is in the interest of prospective students, in particular those who need financial support and/or placement in a residence, to apply as soon as possible.
- As soon as candidates are admitted to the Bachelor of Education (BED) degree, they will be informed that they must register online.
- A valid police clearance certificate is required to register for a BED or a Postgraduate Certificate in Education (PGCE) programme in the Faculty of Education. In addition, all registered students will be required to complete Form 30 of part B of the National Child Protection Register in accordance with the Children’s Act 38 of 2005.
- English will be the only language of teaching and learning (in lectures, tutorials, and assessments) for all academic modules in the undergraduate programmes, except in cases where the modules or programmes require a language other than English. Any modules providing professional preparation that requires separate English and Afrikaans classes will be identified and will be explicitly listed as such. Modules for the BED (Foundation Phase Teaching) that are language context specific, namely English, Afrikaans and indigenous African languages, will continue to be offered in current language contexts due to the University’s recognition of the need for home-language teaching in the foundation environment, as specified in the Policy on Minimum Requirements for Teacher Education Qualifications (Gazette 38487, 19 Feb 2015). The teaching practice modules will allow English and Afrikaans assessments according to the language of tuition of the schools in which the teaching practice was performed.

University of Pretoria website: www.up.ac.za/education
- Refer to the important information for prospective students in par 4.1.

**Programmes**

**Minimum requirements for NSC and IEB for 2023**

**Achievement level**

<table>
<thead>
<tr>
<th>Programme</th>
<th>English Home Language or English First Additional Language</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BED (Foundation Phase Teaching) 2</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>[Grades R to Grade 3]</td>
<td></td>
<td>28</td>
</tr>
<tr>
<td>[4 years]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The suggested second-choice programmes for BED (Foundation Phase Teaching) (Grades R to Grade 3) are any other BED programme.

**Careers:** Teachers and training officials in pre-primary or primary schools.

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**Closing date:** 30 June  
**Close on availability of space:** As soon as the number of places available for this programme are filled, it will be closed for further applications.
Faculty of Economic and Management Sciences

University of Pretoria website www.up.ac.za/ems

Refer to the important information for prospective students on page 2.

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Minimum requirements for NSC and IEB for 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCom (Accounting Sciences)</td>
<td>[3 years]</td>
</tr>
<tr>
<td>BCom (Investment Management)</td>
<td>[3 years]</td>
</tr>
<tr>
<td>BCom (Financial Sciences)</td>
<td>[3 years]</td>
</tr>
<tr>
<td>BCom (Economics)</td>
<td>[3 years]</td>
</tr>
<tr>
<td>BCom (Agribusiness Management)</td>
<td>[3 years]</td>
</tr>
<tr>
<td>BCom (Marketing Management)</td>
<td>[3 years]</td>
</tr>
<tr>
<td>BCom (Human Resource Management)</td>
<td>[3 years]</td>
</tr>
<tr>
<td>BCom (Supply Chain Management)</td>
<td>[3 years]</td>
</tr>
</tbody>
</table>

CAREERS:

- **Business accounting:** Financial accountants, credit controllers, SARS (South African Institute of Professional Accountants) and ACCA (Association of Chartered Certified Accountants)
- **Financial management:** Management accountants, management consultants, financial advisors, cost accountants and financial managers
- **Taxation:** Tax advisors, tax auditors in public practice, tax policy designers, tax professionals, tax compliance managers, SARS auditors and tax risk managers
- **Internal auditing:** Internal auditors, risk officers, forensic auditors, IT auditors, performance auditors, environmental auditors, compliance officers, government auditors and governance auditors

**Note:** Accounting at school is not a subject requirement for any of the BCom and BAdmin programmes.
University of Pretoria website www.up.ac.za/ebit

• Refer to the important information for prospective students on page 2.

Faculty of Engineering, Built Environment and Information Technology

• A valid qualification with admission to degree studies is required.
• Minimum subject and achievement requirements, as set out in the table below, are required.
• Conditional admission to the four-year programmes in the School of Engineering is guaranteed only if a prospective student complies with all the requirements as indicated in the undergraduate minimum admission requirements table.
• Admission to ENGAGE in the School of Engineering will be determined by the NSC results, achievement levels of 5 for Mathematics, Physical Sciences and English, and an APS of 30.
• Students may apply directly to be considered for the ENGAGE programme.

Second-choice programme: Should your Admission Point Score (APS) adhere to our entrance requirements for our engineering programmes, and you are not accepted for your first-choice programme, then please consider an alternative engineering programme as your second-choice programme. If your APS does not meet the entrance requirements, then consider the second-choice programme indicated in the tables.

Accreditation: The various programmes in the School of Engineering are accredited by the Engineering Council of South Africa (ECSA), and our degrees meet the requirements for professional engineers in South Africa. All our programmes, in the School for the Built Environment are internationally recognised and accredited by their respective statutory councils, allowing students to register as members of their chosen professions. All the degree offerings in the School of Information Technology (SIT) are highly sought after in the IT industry with a focus on industry-related trends. The curriculum conforms to the highest international standards. We are very proud to be a member of the Schools Organisation. We are the only IT School in South Africa with Accreditation Board for Engineering & Technology (ABET) rating.

Minimum requirements for NSC and IEB for 2023

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Minimum requirements for NSC and IEB for 2023</th>
<th>Achievement level</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td>English Home Language or English First Additional Language</td>
<td>Mathematics</td>
<td>Physical Sciences</td>
</tr>
<tr>
<td>BEng (Civil Engineering)</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>BEng (Civil Engineering)</td>
<td>2</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>BEng (Mechanical Engineering)</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>BEng (Metallurgical Engineering)</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>BEng (Mining Engineering)</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>BEng (Computer Engineering)</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

For advice on a second-choice programme, please consult a Student Advisor. To make an appointment, send an email to canitbosh@up.ac.za
Faculty of Law

- Candidates must comply with the particular subject and level requirement as well as with the minimum Admission Point Score (APS) for the relevant programme.
- The APS calculation is based on a candidate's achievement in six 20-credit NSC-recognised subjects with bands 1 to 7, indicating the scale of achievement. Thus, the highest APS that can be achieved is 42.
- The final NSC/IEB results will be the determining factor with regard to final admission.
- Minimum requirements for admission to the relevant programme are set out below.

University of Pretoria website: [www.up.ac.za/law](http://www.up.ac.za/law)

Refer to the important information for prospective students on page 2.
Faculty of Humanities

- All modules (excluding foreign language modules) will only be presented in English, as English is the language of tuition, communication and correspondence at the University of Pretoria.
- You will be considered for conditional admission if space allows, and if you:
  - are a Grade 11 applicant and meet all the specific programme and APS requirements;
  - submit your final Grade 11 examination results, and
  - have a National Senior Certificate (NSC) with university endorsement or an equivalent qualification.
- You will be considered for final admission to degree studies if space allows, and if you:
  - have a National Senior Certificate (NSC) or equivalent qualification with admission to a bachelor’s degree studies; and
  - comply with the minimum subject requirements as well as the APS requirements of your chosen programme.

University of Pretoria website: www.up.ac.za/faculty-of-humanities

Refer to the important information for prospective students on page 2.

### SELECTION PROGRAMMES

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Minimum requirements for NSC and IEB for 2023</th>
<th>Achievement level</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA (Speech-Language Pathology)</td>
<td>4</td>
<td>5</td>
<td>32</td>
</tr>
<tr>
<td>For advice on a second-choice programme, please consult a Student Advisor. To make an appointment, send an email to <a href="mailto:carol.bosch@up.ac.za">carol.bosch@up.ac.za</a>.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Selection is based on academic achievement and only 50 students are admitted. The conditional selection process starts in August each year. For more information, please contact the programme coordinator. The first year of study is the same for both the Audiology and Speech Language Pathology programmes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Careers: Work in private, public or non-governmental organizations, charity organisations, not-for-profit organisations, and in hospitals; teaching; research and industry.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA (Audiology)</td>
<td>4</td>
<td>5</td>
<td>32</td>
</tr>
<tr>
<td>For advice on a second-choice programme, please consult a Student Advisor. To make an appointment, send an email to <a href="mailto:carol.bosch@up.ac.za">carol.bosch@up.ac.za</a>.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Selection is based on academic achievement and only 50 students are admitted. The conditional selection process starts in August each year. For more information, please contact the programme coordinator. For Audiology and Speech Language Pathology programmes, the first study year is the same.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Careers: Diagnostic and rehabilitative audiology, audiometry and hearing therapy, work in education, special education, hospitals, clinics, private practice or government, military and academic institutions (teaching and research).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA (Information Design)</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>For advice on a second-choice programme, please consult a Student Advisor. To make an appointment, send an email to <a href="mailto:carol.bosch@up.ac.za">carol.bosch@up.ac.za</a>.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>To retain admission, you must obtain an APS of at least 28 in the NSC. In addition to the UP application, it is compulsory for applicants to submit an online portfolio to the Information Design division by 30 June. Those who fail to do this will end up with an incomplete application and will therefore not be considered for the selection process.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Careers: Animators, graphic designers, illustrators, interaction designers, communication designers, art directors, media production managers, design managers, directors of animation and motion graphics, design educators, media designers or freelance designers; typographers for advertising and branding agencies; publishers industries; web design companies; broadcasting and animation studies; in-house design for large companies; state and parastatal organisations; research and educational institutions; public relations and marketing companies; design consultants; printers and production houses or owners of private studios.</td>
<td></td>
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</tr>
</tbody>
</table>

### NON-SELECTION PROGRAMMES

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Minimum requirements for NSC and IEB for 2023</th>
<th>Achievement level</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA (Law)</td>
<td>5</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>For advice on a second-choice programme, please consult a Student Advisor. To make an appointment, send an email to <a href="mailto:carol.bosch@up.ac.za">carol.bosch@up.ac.za</a>.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To retain admission, you must obtain an APS of at least 28 in the NSC.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Careers: There is a range of career options for students who complete the BA programme. Since the BA programme is relatively flexible, students can choose the same majors and elective modules as students studying in more structured programmes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note: Students who wish to become psychologists must complete a BA majoring in Psychology, the BSc(Psych) (Psychology), and the MA (Clinical, Counselling or Research Psychology).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Careers: Clinical, counseling (sports and community) and research psychologist, registered counsellor or registered psychologist (South African Health Professions Council of South Africa [HPCSA]—www.hpcsa.co.za) for information on the requirements.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of Social Work (BSW)</td>
<td>5</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>The suggested second-choice programme for Bachelor of Social Work (BSW) is BA.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To retain admission, you must obtain an APS of at least 28 in the NSC.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Departmental selection takes place at the end of the first year and is based on academic merit, an aptitude test and an interview. A police clearance certificate (PCC) is required to study social work. In terms of the Children’s Act (2005), all registered student social workers have to complete Form 30 in Part B of the National Child Protection Register (NCP).</td>
<td></td>
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</tr>
<tr>
<td>Careers: Social worker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA (Languages)</td>
<td>5</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>The suggested second-choice programme for BA (Languages) is BA.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To retain admission, you must obtain an APS of at least 28 in the NSC.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Careers: There is a range of career options for students who complete the BA programme. Since the BA programme is relatively flexible, students can choose the same majors and elective modules as students studying in more structured programmes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note: Students who wish to become psychologists must complete a BA majoring in Psychology, the BSc(Psych) (Psychology), and the MA (Clinical, Counselling or Research Psychology).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Careers: Clinical, counseling (sports and community) and research psychologist, registered counsellor or registered psychologist (South African Health Professions Council of South Africa [HPCSA]—www.hpcsa.co.za) for information on the requirements.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of Education (BEd)</td>
<td>5</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>The suggested second-choice programme for BEd is BA.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To retain admission, you must obtain an APS of at least 28 in the NSC.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Careers: Teaching (at university level) and teaching (at school level); work in education and special education, hospitals, clinics or rural communities, or private practices, government, military and academic institutions (teaching and research).</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Closing date: 30 June
1. Close on availability of space: As soon as the number of places available for this programme are filled, it will be closed for further applications.
Faculty of Veterinary Science

- The Faculty offers the following undergraduate programmes:
  - Bachelor of Veterinary Science (BVSc)
  - Bachelor of Veterinary Nursing (BVetNurs)
- Both undergraduate programmes in this Faculty include selection procedures, which are based on merit within different categories.
- The following personnel may be considered for admission:
  - applicants who are currently in their final school year and have applied with their final results of the preceding year of schooling (Grade 11 or equivalent);
  - applicants who have completed their final school year, but have not yet commenced further studies;
  - applicants who have a certificate that is deemed by the University to be equivalent to the required National Senior Certificate (NSC) with university endorsement. This certificate must be certified by Universities South Africa (USAf);
  - applicants who are currently enrolled for tertiary education;
  - applicants who are graduates from another tertiary institution, or have been granted the status of graduate of such an institution and;
  - applicants who are graduates of another Faculty at the University of Pretoria.
- BVSc applicants, please refer to Annexure C in the Faculty brochure at www.up.ac.za/vet, for the categories of students we admit based on the Merit Point Score.
- BVetNurs applicants, please refer to Annexure D in the Faculty brochure at www.up.ac.za/vet, for the categories of students we admit based on the Merit Point Score.
- The Faculty, being the only one of its kind in South Africa, strives to select students from diverse backgrounds and ethnic representation.
- Designated ethnic groups (see Annexure C and Annexure D in the Faculty brochure at www.up.ac.za/vet) are interpreted in terms of the Employment Equity Act 55 of 1998 and include black Africans, Coloureds and Indians.
- The highest-ranking applicants are selected until the capacity is reached within each category.
- The Admissions Committee of the Faculty of Veterinary Science may assign spaces to another category when there are insufficient applicants who meet the minimum criteria in a particular category.
- The final number of places offered to applicants is determined by the Admissions Committee, taking into account the teaching facilities and available resources.
- School-leaving and university applicants who are conditionally admitted will forfeit their placement if they fail to meet the conditions as set in Annexure G in the Faculty brochure at www.up.ac.za/vet.
- To retain conditional admission, applicants need to comply with the minimum subject requirements based on their final school year results.
- South African school-leaving applicants enrolled for the NSC or IEB who have forfeited their placement and who still comply with the minimum requirements will automatically be considered in the second round of selection in January.

University of Pretoria website www.up.ac.za/vet
Enquiries vetug@up.ac.za
- Refer to the important information for prospective students on page 2.

Faculty of Veterinary Science

- Bachelor of Veterinary Science (BVSc)  
  - Applicants must complete and pass an audition process. To retain admission, you must obtain an APS of at least 26 in the NSC.
  - Careers: Veterinarians in private practice, research, academia or state veterinary services. Veterinarians can also work in the following fields: 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 and pig production and animal welfare.

The Admissions Committee of the Faculty of Veterinary Science may assign spaces to another category when there are insufficient applicants who meet the minimum criteria in a particular category.
- The final number of places offered to applicants is determined by the Admissions Committee, taking into account the teaching facilities and available resources.
- School-leaving and university applicants who are conditionally admitted will forfeit their placement if they fail to meet the conditions as set in Annexure G in the Faculty brochure at www.up.ac.za/vet.
- To retain conditional admission, applicants need to comply with the minimum subject requirements based on their final school year results.
- South African school-leaving applicants enrolled for the NSC or IEB who have forfeited their placement and who still comply with the minimum requirements will automatically be considered in the second round of selection in January.

University of Pretoria website www.up.ac.za/vet
Enquiries vetug@up.ac.za
- Refer to the important information for prospective students on page 2.
Programmes Minimum requirements for NSC and IEB for 2023

<table>
<thead>
<tr>
<th>Programmes</th>
<th>BIOLOGICAL SCIENCES</th>
<th>English Home Language or English First Additional Language</th>
<th>Mathematics</th>
<th>Physical Sciences</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Genetics)</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>32</td>
</tr>
<tr>
<td>BSc (Human Genetics)</td>
<td>3 (years)</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>32</td>
</tr>
</tbody>
</table>

The suggested second-choice programmes for BSc (Genetics) and BSc (Human Genetics) are any of the programmes listed in the biological sciences programmes.

Careers: Graduates generally choose to work as molecular biologists, medical or clinical geneticists, cytogeneticists, biotechnologists, agricultural scientists, molecular ecologists, forensic scientists, genetic counselors, 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 successful careers in, for example, patent law, pharmaceutical sales and marketing, project management, computer programming (natural computation) and science journalism. Note that the level of transfer and qualification plays an important role in determining the type of work in which a qualified geneticist can become involved.

<table>
<thead>
<tr>
<th>Programmes</th>
<th>BIOLOGICAL SCIENCES</th>
<th>English Home Language or English First Additional Language</th>
<th>Mathematics</th>
<th>Physical Sciences</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Human Physiology)</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>32</td>
</tr>
<tr>
<td>BSc (Human Physiology, Genetics and Psychology)</td>
<td>7 (years)</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>32</td>
</tr>
</tbody>
</table>

The suggested second-choice programmes for BSc (Human Physiology) and BSc (Human Physiology, Genetics and Psychology) are any of the programmes listed in the biological sciences programmes.

Careers: Postgraduate studies are highly recommended. Honours, master’s and doctoral degrees can be obtained in any of the subdisciplines of anatomy, human anatomy, clinical anatomy, cell biology, physical and forensic anthropology, histology and embryology. Students who obtain this degree can also continue with their studies to obtain postgraduate degrees in physiology, genetics and pharmacology. Career opportunities include research in any of the subdisciplines of anatomy, in academia, in forensic science and in the health sciences industry. Other careers that can be considered are in the sports sciences, veterinary, clinical pathology, immunology, health administration or economics. Technical careers are also possible, for example, in the Anatomy or Physiology departments at universities.

Limited places are available in the first year of BSc (Medical Sciences). Students who apply for BSc (Medical Sciences) as their first choice and who meet the minimum admission requirements, will be admitted until the places have been filled. Transfers from the extended programme are allowed after three semestres in the extended programme only if students comply with all of the prerequisites for ANA 121, 122 and ANA 125. MBChB 117 and MEB 115, or their equivalent, passed.

<table>
<thead>
<tr>
<th>Programmes</th>
<th>BIOLOGICAL SCIENCES</th>
<th>English Home Language or English First Additional Language</th>
<th>Mathematics</th>
<th>Physical Sciences</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Medical Sciences)</td>
<td>3 (years)</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>32</td>
</tr>
</tbody>
</table>

The suggested second-choice programmes for BSc (Medical Sciences) are any of the programmes listed in the biological or agricultural and food sciences programmes.

Careers: Graduates mostly find work 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 and qualification plays a vital role in determining the type of work a qualified biotechnologist can pursue.

<table>
<thead>
<tr>
<th>Programmes</th>
<th>BIOLOGICAL SCIENCES</th>
<th>English Home Language or English First Additional Language</th>
<th>Mathematics</th>
<th>Physical Sciences</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Ecology)</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>32</td>
</tr>
</tbody>
</table>

The suggested second-choice programmes for BSc (Ecology) are any of the programmes listed in the biological or agricultural and food sciences programmes.

Careers: Graduates will be at the forefront of conserving natural ecosystems in a changing world. They will find work in environmentally-based government and private conservation organisations, companies involved in the direct or indirect use of natural resources, environmental consultants, environmental education initiatives, and academic and training institutions.

<table>
<thead>
<tr>
<th>Programmes</th>
<th>BIOLOGICAL SCIENCES</th>
<th>English Home Language or English First Additional Language</th>
<th>Mathematics</th>
<th>Physical Sciences</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Zoology)</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>32</td>
</tr>
</tbody>
</table>

The suggested second-choice programmes for BSc (Zoology) are any of the programmes listed in the biological or agricultural and food sciences programmes.

Careers: Graduates can look forward to working on game and other wildlife in a range of exciting career pathways. They could be employed by public and private nature conservation organisations, environmental consultants and conservation planning agencies, medical and veterinary research institutions, in biocultural and biocultural sciences, industries, research institutions, agricultural and food sciences programmes, and in relevant fields of the corporate sector. These jobs usually involve a stimulating combination of problem-solving, analytical work, and fieldwork.

<table>
<thead>
<tr>
<th>Programmes</th>
<th>BIOLOGICAL SCIENCES</th>
<th>English Home Language or English First Additional Language</th>
<th>Mathematics</th>
<th>Physical Sciences</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Entomology)</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>32</td>
</tr>
</tbody>
</table>

The suggested second-choice programmes for BSc (Entomology) are any of the programmes listed in the biological or agricultural and food sciences programmes.

Careers: Graduates with expertise in entomology are highly sought after in the agricultural sector as insect management specialists or researchers. They are also employed at nature reserves, environmental consultant firms, conservation organisations, wildlife management agencies, and in various industries, including environmental and agricultural sciences programmes, and in the corporate sector.

University of Pretoria website: www.up.ac.za/has

Refer to the important information for prospective students on page 2.
Programmes Minimum requirements for NSC and IEB for 2023

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Minimum requirements for NSC and IEB for 2023</th>
<th>Achievement level</th>
<th>AP5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AGRICULTURAL AND FOOD SCIENCES</strong></td>
<td><strong>English Home Language or English First Additional Language</strong></td>
<td><strong>Mathematics</strong></td>
<td><strong>Physical Sciences</strong></td>
</tr>
<tr>
<td>BSc (Culinary Science)</td>
<td>4 years</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>BSc (Food Science)</td>
<td>4 years</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>BSc (Nutrition)</td>
<td>4 years</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>BScAgric (Plant Pathology)</td>
<td>4 years</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>BScAgric (Applied Plant and Soil Sciences)</td>
<td>4 years</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

Counseling careers: Graduates can be employed as researchers or consultants on animal nutrition or breeding, technical representatives, managers of the livestock and feed industry. Animal scientists can work on different levels in these sectors, starting from research and development up to management positions. They may work for government agencies, research institutes, or private companies involved in animal health, nutrition, or breeding.

Careers: Graduates could be employed in:
- Education and training: Graduates can work in universities, colleges and schools.
- Plant pathologists: Graduates are in demand in various industries. Careers range from researchers to practitioners who work in laboratories, on commercial farms (which includes fieldwork) or in the food trade industry.
- Research and management: Graduates are also hired at research institutes, government departments, seed, fertilizer and agrochemical companies, municipalities and in the mining industry.

Extension services for technology transfer: Employers of graduates include growers associations, national and provincial Departments of Agriculture, Land Reform and Rural Development (DALRRD), Environment, Forestry and Fisheries (DEFF), Tourism (DT), Mineral Resources and Energy (DMRE) and Water and Sanitation (DWS).

Entrepreneurial: Graduates can work as consultants or in production.

Programmes Minimum requirements for NSC and IEB for 2023

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Minimum requirements for NSC and IEB for 2023</th>
<th>Achievement level</th>
<th>AP5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONSUMER SCIENCE</strong></td>
<td><strong>English Home Language or English First Additional Language</strong></td>
<td><strong>Mathematics</strong></td>
<td><strong>APS</strong></td>
</tr>
<tr>
<td>BCorSci (Clothing: Retail Management)</td>
<td>4 years</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>BCorSci (Food: Retail Management)</td>
<td>4 years</td>
<td>5</td>
<td>4</td>
</tr>
</tbody>
</table>

Counseling careers: Graduates can be employed as brand managers, sales managers or store managers, food and beverage buyers and planners, food stylists, food journalists, food product marketers, visual merchandisers and computer consultants, or can become entrepreneurs.

Careers: Graduates can be employed as brand managers, food service managers, culinary specialists, events coordinators, entrepreneurs, food product and menu developers, food journalists, food safety and quality assurance managers, and food stylists.

Programmes Minimum requirements for NSC and IEB for 2023

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Minimum requirements for NSC and IEB for 2023</th>
<th>Achievement level</th>
<th>AP5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BScAgric (Animal Science)</strong></td>
<td>4 years</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>BScAgric (Animal Science)**</td>
<td>4 years</td>
<td>5</td>
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</tbody>
</table>

Counseling careers: Animal science is focused on the application of the scientific aspects of animal production and the quality control of products to ensure consumer satisfaction. Careers in this field make an essential contribution to food (where production in South Africa is highly) and the needs of both animals and humans, animal science focuses on the entire livestock production value chain, from conception to consumption.

There are numerous career opportunities for animal scientists in research, commercial farming and the public sector, and for in the livestock and food industry. Animal scientists can work on different levels in these sectors, eg as researchers or consultants on animal nutrition or breeding, technical representatives, managers of intensive and extensive animal production systems and policymakers.

The BScAgric (Animal Science) degree is acknowledged as a professional qualification by SACNASP in terms of the SACNASP’s Act No. 93 of 1993. It is internationally recognised, which means that graduates can register as professional animal scientists.
The suggested second-choice programme for BSc (Chemistry) is BSc (Biochemistry) and the suggested second-choice programme for BSc (Phase and Training Teaching) is BSc (Chemistry) (Grades 7 to 12) with elective modules in Physical Sciences or Life Sciences.

**Careers:** Graduates are employed by medical laboratories, hospitals, forensic laboratories, the food and cosmetics industry, the agriculture sector, the pharmaceutical industry, the chemical industry, the oil industry, the mining industry, man-made fibre producers, environmental protection departments and by firms working in the environmental field. They may also work for municipalities, and with public utilities. Graduates with appropriate qualifications may also be employed by government departments, for example the Department of Agriculture, Forestry and Fisheries (DAFF) and the Department of Water and Sanitation (DWS), the Department of Energy (DoE), the Department of Environmental Affairs (DEA), and the South African Environment Management Industries (SANEMI) on projects related to water, soil, and air pollution monitoring. They may also work in the field of environmental protection and in the conservation and management of natural resources.

**Further education and training:** Graduates may enter into the Actuarial programme after successfully completing the BSc (Actuarial and Financial Mathematics). They may also enter into the BSc (Mathematical Statistics) after successfully completing the BSc (Mathematical Statistics). They may also enter into the BSc (Applied Mathematics) after successfully completing the BSc (Applied Mathematics).

**BSc (Meteorology)**

The suggested second-choice programme for BSc (Meteorology) is BSc (Geography and Environmental Sciences). BSc (Meteorology) graduates may be employed by meteorological services, in research and development. They may also work in the field of environmental protection.

**Careers:** Graduates in meteorology are employed in the private sector as meteorologists. They are employed by weather services, engineering firms, and research and development firms. They are also employed by government departments, for example the Department of Environmental Affairs (DEA), the Department of Energy (DoE), the Department of Agriculture, Forestry and Fisheries (DAFF), the Department of Water and Sanitation (DWS), and the Department of Environmental Affairs (DEA). Graduates in meteorology may also be employed by research institutions, for example the South African Bureau of Standards (SABS) and the South African Institute of Meteorology (SAIM). They may also work in the field of environmental protection.

**Further education and training:** Graduates may enter into the BSc (Meteorology) programme after successfully completing the BSc (Meteorology) programme. They may also enter into the BSc (Geography and Environmental Sciences) programme after successfully completing the BSc (Geography and Environmental Sciences) programme. They may also enter into the BSc (Mathematical Sciences) programme after successfully completing the BSc (Mathematical Sciences) programme.

**BSc (Geography and Environmental Sciences)**

The suggested second-choice programme for BSc (Geography and Environmental Sciences) is BSc (Geology). Graduates in geography and environmental sciences are employed by research and development firms, in the private sector, in government departments, and in the public sector.

**Careers:** Graduates in geography and environmental sciences are employed by research and development firms, in the private sector, in government departments, and in the public sector. They may also work in the field of environmental protection.

**Further education and training:** Graduates may enter into the BSc (Geography and Environmental Sciences) programme after successfully completing the BSc (Geography and Environmental Sciences) programme. They may also enter into the BSc (Geology) programme after successfully completing the BSc (Geology) programme. They may also enter into the BSc (Environmental Geology) programme after successfully completing the BSc (Environmental Geology) programme.

**BSc (Environmental Geology)**

The suggested second-choice programme for BSc (Environmental Geology) is BSc (Geology). Graduates in environmental geology are employed by research and development firms, in the private sector, in government departments, and in the public sector.

**Careers:** Graduates in environmental geology are employed by research and development firms, in the private sector, in government departments, and in the public sector. They may also work in the field of environmental protection.

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**BSc (Actuarial and Financial Mathematics)**

The suggested second-choice programme for BSc (Actuarial and Financial Mathematics) is BSc (Actuarial and Financial Mathematics) and BSc (Mathematical Statistics). Graduates in actuarial and financial mathematics are employed by research institutions, in the private sector, in government departments, and in the public sector.

**Careers:** Graduates in actuarial and financial mathematics are employed by research institutions, in the private sector, in government departments, and in the public sector. They may also work in the field of environmental protection.

**Further education and training:** Graduates may enter into the BSc (Actuarial and Financial Mathematics) programme after successfully completing the BSc (Actuarial and Financial Mathematics) programme. They may also enter into the BSc (Mathematical Statistics) programme after successfully completing the BSc (Mathematical Statistics) programme.
Faculty of Health Sciences

- Admission to Health Sciences programmes is subject to a selection process.
- Grade 11 final examination results will be used for the conditional selection of applicants.
- For selection purposes, the sum of the results in six subjects, including English, Mathematics and Physical Sciences or Life Sciences if it is a requirement, is calculated.
- In the Faculty of Health Sciences places are reserved in specific categories to promote diversity by ensuring an equitable representation of demographically defined designated groups.
- For purposes of selection, school leavers and candidates with university experience compete in two categories, namely the Open category and the Designated Group category.
- The Designated Group category includes Black and Coloured South African applicants.
- The Open category refers to all applicants, including those from the Designated Group who compete first in the Open category and then in the Designated Group category if unsuccessful in the Open category.
- Citizens from countries other than South Africa* who come from countries that have medical schools will not be considered for placement in the MBChD programme, except where intergovernmental agreements are in place.
- Candidates should note that their conditional admission will be revoked if their APS drops by more than two points in their final school examination results.
- PLEASE NOTE that compliance with the minimum admission requirements does not guarantee admission to any programme in this Faculty.
- Selection queries may be directed to healthapplications@up.ac.za.
- A student who is made an offer but does not accept it cannot defer the offer and must reapply to be considered in the following year.
- MBChD or BChD selection: Students who intend to apply for admission to MBChD or BChD in the second semester, when places become available in these programmes, may register for any BSc biological sciences modules in the first semester, replacing Mathematics (WTW 134) with Science and World Views (FL 155), People and their Environment (MGM 112) and Medical Terminology (MTL 180), with the proviso that they should not be selected and should they wish to continue with one of the biological sciences programmes, they must complete Mathematics (WTW 165) in the second semester of their first year. Students who wish to add these three modules (FL 155, MGM 112 and MTL 180) are required to have an APS of at least 35 and a minimum of 70% for Mathematics in the final NSC or equivalent qualification. Students should contact the Faculty of Health Sciences for their added criteria.

University of Pretoria website www.up.ac.za/health

- Refer to the important information for prospective students on page 2.

Minimum requirements for NSC and IEB for 2023

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<tr>
<td>Bachelor of Radiography (Diagnosics)</td>
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<tr>
<td>Bachelor of Medicine and Surgery (MBChD)</td>
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<tr>
<td>Bachelor of Dental Surgery (BCDh)</td>
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<tr>
<td>Bachelor of Oral Hygiene (BOH)</td>
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<tr>
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Faculty of Theology and Religion

University of Pretoria website www.up.ac.za/faculty-of-theology-and-religion

- Refer to the important information for prospective students on page 2.

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<td>Bachelor of Theology (BTh)</td>
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*Applicants who are not South African citizens.

Closing date: 30 June
Close on availability of space: As soon as the number of places available for this programme are filled, it will be closed for further applications.
JuniorTukkie helps you to STEP UP.

Take the stairs to SUCCESS.

1. Register for the web-based JT App where you will find the link to register to become a JT member.
   - In your web browser, type: juniortukkieapp.co.za
   - Click on ‘Sign up’
   - Complete the JT App registration form.
   - Add the JT App to the home screen of your mobile device.
   - On the JT App, you will receive important notifications for prospective students.

2. Become a JT member (for Grade 9-12 learners)
   - Complete the JuniorTukkie membership form that is available on the JT App.
     - On the JT App, click on the 'JuniorTukkie' tile.
     - Then, select 'Become a JuniorTukkie'.
   OR
   - Complete the JT membership form at www.up.ac.za/juniortukkie > Become a JuniorTukkie > Register for JT membership

3. Join jTOnline to improve your marks in Mathematics, Physical Sciences, Accounting, Life Sciences and English. jTOnline will prepare you to connect with a world of opportunities.
   - On the JT App, select the 'jTOnline' tile.
   OR
   - Go to juniortukkie.online
   - Complete the jTOnline registration form.

4. Consult a Student Advisor to:
   - decide on Grade 10 subject choices;
   - discuss study and career options; and
   - assist with your UP application.
   - Email: carol.bosch@up.ac.za
   - Complete the JuniorTukkie membership form that is available on the JT App.
     - On the JT App, click on the 'JuniorTukkie' tile.
     - Then, select 'Become a JuniorTukkie'.
   OR
   - Complete the JT membership form at www.up.ac.za/juniortukkie > Become a JuniorTukkie > Register for JT membership

5. Join the JT Student Ambassadors Society (JTSAS) and JT Alumni for students, graduates and postgraduates. We will:
   - equip you with the skills to succeed at university;
   - develop your leadership skills, among others; and
   - provide you with opportunities to give back to society.
   - Register at www.up.ac.za/juniortukkie > Become a JuniorTukkie

WELL-INFORMED TUUKS STUDENT

Register for the JT App (for learners, parents, teachers)