

BSc Geography and Environmental Science

- [University of Pretoria](#)
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- BSc Geography and Environmental Science

Geography, as a bridging science, is the link between the natural and human components of our environment. Location and spatial distribution of settlements and other human activities, such as agriculture and tourism, as well as the processes, patterns, problems and potential answers associated with these activities, are also studied. Geography is a planning and management science aimed at improving the quality of life of all communities

The BSc (Geography and Environmental Sciences) programme comprises fundamental modules that develop general skills. Training in spatial analytical techniques include GIS and remote sensing, and enable graduates to analyse complex environmental issues. Students can also select modules from other disciplines.

Environmental Sciences is a study of the multitude of interaction between the living (including humans) and non-living components of the earth. As a result of an increase in the human population and technological advances, our impressions of the environment have become more widespread and create complex, multidisciplinary challenges, for example the impact on ecosystems, natural resources, human health and well-being.

For more information, please consult the Faculty webpage.

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Career Opportunities

There are three main career fields in geography: teaching, research and the practical application of geographical knowledge and skills. 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, architecture 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 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, geographic information systems (GIS), remote sensing, environmental analysis and environmental auditing. Graduates can also pursue academic careers.

Graduates could also be employed as environmental consultants, air quality managers, environmental impact analysts, environmental protection agents, hazardous materials specialists, public health educators, researchers, water quality specialists, natural resource managers, risk managers, environmental educators, wetlands scientists, wildlife conservationists, environmental planners and analysts, wastewater treatment experts, programme and project managers, natural resources experts and researchers.

Programme Code

02133363

Closing Dates

- **SA** - 30/11/2020
 - **Non-SA** - 31/08/2020
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Admission Requirements

- The closing date is an administrative admission guideline for non-selection programmes. Once a non-selection programme is full and has reached the institutional targets, then that programme will be closed for further admissions, irrespective of the closing date. However, if the institutional targets have not been met by the closing date, then that programme will remain open for admissions until the institutional targets are met.
 - The following persons will be considered for admission: candidates who are in possession of a
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certificate that is deemed by the University to be equivalent to the required National Senior Certificate 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.

- Life Orientation is excluded from the calculation of the Admission Point Score (APS).
- Grade 11 results are used for the conditional admission of prospective students. Final admission is based on Grade 12 results.
- Please note that the Faculty does not accept GED and School of Tomorrow qualifications for entry into our programmes.

Transferring students

Candidates previously registered at UP or at another university

The faculty's Admissions Committee considers applications of candidates who have already completed the final NSC or equivalent qualification examination and/or were previously registered at UP or another university, on grounds of their final NSC or equivalent qualification results as well as academic merit.

Candidates previously registered at a FET college or a university of technology

The faculty's Admissions Committee considers the application of these candidates on the grounds of their final NSC or equivalent qualification results as well as academic merit.

Qualifications from countries other than South Africa

- Citizens from countries other than South Africa and South African citizens with foreign qualifications must comply with all the other admission requirements and the prerequisites for subjects/modules.
- In addition to meeting the admission requirements, admission is based on the performance in the **TOEFL, IELTS or SAT**, if required.
- Candidates must have completed the National Senior Certificate with admission to degree studies or a certificate of conditional exemption on the basis of a candidate's foreign qualifications, the so-called "Immigrant" or "Foreign Conditional Exemption". The only condition for the "Foreign Conditional Exemption" that is accepted is: 'completion of the degree course'. The exemption certificate is obtainable from Universities South Africa (USAf). Detailed information is available on the website at [click here](#).

University of Pretoria website: [click here](#)

Minimum requirements Achievement level



**English Home
Language or
English First
Additional
Language**

Mathematics

Physical Sciences

APS

NSC/IEB	AS Level	NSC/IEB	AS Level	NSC/IEB	AS Level
5	C	5	C	5	C

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* Cambridge A level candidates who obtained at least a D in the required subjects, will be considered for admission. Students in the Cambridge system must offer both Physics AND Chemistry with performance at the level specified for NSC Physical Sciences in the table above.

* International Baccalaureate (IB) HL candidates who obtained at least a 4 in the required subjects, will be considered for admission. Students in the IB system must offer both Physics AND Chemistry with performance at the level specified for NSC Physical Sciences in the table above.

Candidates who do not comply with the minimum admission requirements for BSc (Geography and Environmental Sciences), may be considered for admission to the BSc – Extended programme – Physical Sciences. This programme takes a year longer than the normal programmes to complete.

BSc - Extended Programme - Physical Sciences

Minimum requirements

Achievement level

**English Home
Language or
English First
Additional
Language**

Mathematics

Physical Sciences

APS

NSC/IEB	AS Level	NSC/IEB	AS Level	NSC/IEB	AS Level
4	D	4	D	4	D

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Duration of study

3 years, full-time.

Faculty Notes

The Faculty of Natural and Agricultural Sciences is a diverse faculty with 13 departments that is



supported by more than 20 centres and institutes. More than 5 000 students register in this faculty annually of which 70% are undergraduate and 30% postgraduate students.

All degree programmes are designed to develop problem-solving individuals who can easily adapt to changing circumstances and take the lead in their chosen fields of specialisation. The qualifications awarded are of world-class and provide access to a multitude of career opportunities for dynamic and creative people.

In the Faculty of Natural and Agricultural Sciences, we strive to continuously improve our high impact research and significantly address the national shortage of PhD graduates that respond to global and local challenges.

Enquiries about the programme

[Click Here](#)



How to apply



Online Application





Note: Also consult General Rules and Information on the Yearbook website for additional information.

Disclaimer: Due to the continuous restructuring of the Faculty and this website, some of the information displayed here may not fully reflect the most recent developments in the Faculty. Any discrepancies that are experienced may be taken up with Student Administration of the Faculty.