



Department of Pharmaceutical Sciences and the BPharm Degree

The Department of Pharmaceutical Sciences of the Tshwane University of Technology and the University of Limpopo jointly offer a Bachelor of Pharmacy degree. Students enter University of Limpopo and Tshwane University of Technology as full-time learners. They spend half of each academic year at each of the two campuses, where they have full access to all academic and recreational facilities. Students are eligible to apply for accommodation at either facility and transport between campuses is provided.

Admission requirements

- (i) Applications from prospective students will be considered who are in possession of or are about to receive –
 - A Matriculation Exemption Certificate of the Matriculation Board, OR
 - A Certificate of Exemption from the Matriculation Examination granted by the Matriculation Board, OR
 - A Senior Certificate with University Exemption.
- (ii) Candidates will be required to have passed Mathematics and two of the following subjects in the Higher Grade at matric level: Biology, Botany, Physical Science and Physiology. (Candidates with Mathematics in the Standard Grade who have achieved an A or B rating may be considered.
- (iii) Applications will also be considered from candidates who have completed appropriate training within the requirement of the National qualification Framework.
- (iv) Because of the nature of the programme and the teaching/learning and assessment methods, admission to the BPharm programme is at first year level only

Admission Points Score:

Subjects	Points
Life Sciences	4
Mathematics	4
Physical Science	4
Language of Learning	4
Language of Learning	4
Life Orientation	3
2 Additional subjects Accounting + Economics	3x2
Total points	25

- The BPharm Selection committee will screen all candidates who comply with (i) above and provide a list for potential testing and interview.
- After the potential testing and interview, a list of conditional acceptances will be developed, as well as a reserve list, for replacement of non-acceptances

Selection

Student selection will be based on an evaluation of the matriculation results, a potential test and an interview.

Costs, Funding and Residences

University fees: Details regarding fees and their payment may be obtained from University of Limpopo (see contact details at the end of this brochure)

Residences: Details regarding residences and the fees involved may be obtained from Tshwane University of Technology or University of Limpopo, depending on the residence chosen.

Additional costs: In addition to tuition and residence fees, students should budget for transport, books and practical equipment.

Bursaries and funding: Information may be obtained from Department of Pharmaceutical Sciences at Tshwane University of Technology or University of Limpopo (MEDUNSA Campus).

The programme

This B Pharm programme is at present the only one of its kind in the RSA. It is a problem based learning (PBL) course. PBL is a learning strategy which is in line with the national policy of Outcomes Based Education, since it is aimed at producing professional pharmacists equipped to practice effectively, immediately on completion of the degree.

Duration

The course extends over 4 years, with an additional internship year and community service year to be completed before registration as a pharmacist.

Modules

Each year students complete five or six study modules and at the end of the year, a 4 to 8 week experiential learning block in a sector of pharmacy.

First year modules:

SUBJECT

English Language

FIRST YEAR SEMESTER (ARCADIA CAMPUS)

Orientation and Induction, From Atom Molecules to Medicines, From Atoms to molecules, Task and Challenges in health Care

SECOND SEMESTER

Biopharmaceutics, Pharmacokinetics and pharmacodynamics (Arcadia Campus), Experiential Learning: Research Methodology and Primary Health Care (Medunsa Campus), Micro-Organisms, Man and Medicines (Arcadia Campus)

SECOND YEAR

FIRST SEMESTER (MEDUNSA CAMPUS)

Cardiovascular Pharmacy, Nutrition and Gastro-Enterology Respiratory System (Ear and Eye)

SECOND SEMESTER (ARCADIA CAMPUS)

Experiential Learning: Industrial Pharmacy Practice, Industrial Pharmacy Practice, Principles and Practice of Pharmaceutical Manufacturing

THIRD YEAR

FIRST SEMESTER ARCADIA CAMPUS)

Modern Technology in Health Care, Community-Based Pharmaceutical Care, Sterile Pharmaceutical Products

SECOND SEMESTER (ARCADIA CAMPUS)

Experiential Learning: Community Pharmacy Practice (Arcadia Campus), Endocrine and Reproductive Pharmacy (Medunsa Campus), Musculoskeletal and Skin Conditions and Pain Management (Medunsa Campus)

FOURTH YEAR

FIRST SEMESTER (MEDUNSA CAMPUS)

Health System: Pharmacy, Neurological and Psychiatric Pharmacy

SECOND SEMESTER (ARCADIA AND MEDUNSA CAMPUS)

Experiential Learning: Hospital Pharmacy Practice (Medunsa Campus), Hospital-Based Pharmaceutical Care (Medunsa Campus), Research Methodology (Advanced) and Research project (Arcadia Campus)

Internship, Registration as a Pharmacist and Community Service

After successful completion of the study modules and receipt of the B Pharm degree, the graduate is required to complete a 12-month internship. During the internship year the graduate writes a pre-registration examination set by the South African Pharmacy Council for all new pharmacy graduates throughout the country. On

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successful completion of the internship and this examination, the graduate is entitled to register with the S A Pharmacy Council as a pharmacist. Before starting to practice, a pharmacist is required to offer a year of remunerated service to the community.

Job Opportunities

The registered pharmacist will be able to pursue a rewarding career in one of the several interesting sectors of pharmacy. These are:

- Community Pharmacy
- Primary Health Care
- Hospital Pharmacy
- Public Service Practice
- Industrial Pharmacy
- Academic Pharmacy
- Wholesale Pharmacy
- Managed Care Pharmacy
- Statutory Pharmacy
- Pharmaceutical Research

Post Graduate Study

Graduates are eligible to apply for related post graduate degrees at Tshwane University of Technology and University of Limpopo or elsewhere.

The Pharmacist's Role and Philosophy

- The pharmacist is the custodian of medicines
- The pharmacist makes an active contribution to good patient care by offering counselling and education about the safe, effective use of medicines
- The pharmacist helps ensure that all medicines are of high and consistent quality
- The pharmacist is a dedicated professional member of health care team, who puts the interests of the patient first
- The pharmacist is responsible for formulating medicines and overseeing their manufacture and distribution
- The pharmacist is a manager and a leader in all fields of pharmacy
- The pharmacist is a life long learner
- The pharmacist promotes public health
- The pharmacist is involved in research

Application for the BPharm Degree

Application forms are available from Tshwane University of Technology and University of Limpopo. All application forms should be returned to University of Limpopo for processing. Applications should be returned by the end of October prior to the study year. A non refundable application fee is applicable.

PROBLEM BASED LEARNING - A UNIQUE APPROACH

Problem based learning (PBL) is a learning strategy that makes use of problems or scenarios based on practical situations encountered in workplace. Students work together in small groups under the guidance of facilitators (tutors). They follow seven clearly defined steps to unravel each scenario and solve the problem. In the process, they learn a great deal about the principles on which the scenario is based and about working as individuals and as a team to deal with all kinds of realistic situations. The information they gather is not divided up into traditional disciplines (subjects). Instead, it is integrated and applicable, just as it would be in real-life situations. Solving problems and using many different sources of information becomes second nature to the student. He sees his tutor as a supportive mentor who guides him without stifling his initiative or taking away his self-reliance. The PBL student is said to be a self-motivated, lifelong learner. His activities are all designed with the final outcome in mind, in this case, the outcome is to be a competent, ethical, professional PHARMACIST who serves his community to the best of his ability.

Contact us

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University of Limpopo

School of Pharmacy
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Fax: (012) 521 4751
e-mail: lindiz@ul.ac.za

Application forms: University of Limpopo

Tel: (012) 521 4135
Fax: (012) 521 5732

Postal address:

The Registrar
P.O. Box 143
University of Limpopo
0204

e-mail: lindiz@ul.ac.za

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