
University of Pretoria Yearbook 2025

PhD specialising in Electronic Engineering (12263082)

Department	Electrical, Electronic and Computer Engineering
Minimum duration of study	2 years
Total credits	360
NQF level	10

Admission requirements

General Admission Regulations:

Refer to the UP Institutional Admissions Policy as well as the General Academic Regulations and Student Rules (Go to www.up.ac.za/yearbooks/home and click on *General Rules and Regulations*, then on *General Academic Regulations and Student Rules*)

- All applications must be accompanied by the following documents:
 - Certified full academic transcripts from undergraduate to current level;
 - Certified copy of ID or passport;
 - A research concept note (not applicable to honours or coursework master's degrees): A description of the proposed research field indicating a research topic and the broad scope of the proposed study, not exceeding 500 words.
- All applicants with international qualifications must submit the following documents, subject to provision number 9:
 - A SAQA evaluation of the completed qualification or a comprehensive Foreign Qualification Report
 - *TOEFL or IELTS or Pearson Test of English or Oxford Test of English test results (if applicable)
 - Certified copy of passport.
- All postgraduate applications are subject to departmental admissions processes.
- Admissions is based on the content of and performance in the prior degree, bridging arrangements (where required), academic merit and prior work experience (if applicable).
- Admission to all qualifications is subject to supervisory capacity and/or research projects in the field of specialisation in a department, therefore the relevant department has the right to limit the number of students per year.
- Complying with the minimum admissions requirements, does not automatically guarantee admission to the degree.
- Proposed research studies for masters and doctoral applicants should align with the research focus of the relevant department.



8. *If a qualifying candidate has expressed an interest in a field of study that the relevant department cannot accommodate, the applicant may be considered for an alternative project.*
9. All postgraduate applicants must be proficient in English as English is the official language of tuition, communication and correspondence at the University of Pretoria. Candidates who cannot provide evidence that previous studies were completed in English, must submit TOEFL or IELTS or Pearson Test of English or Oxford Test of English test results with their application.
10. All applicants must be computer literate.
11. All students need to have access to an internet enabled device, as well as consistent email and internet access.
12. Allowance will be made for the diversity profile of students in accordance with the University strategy.

Minimum admissions requirements:

1. MEng degree awarded by the University of Pretoria
or
research-based master's degree in engineering awarded by another university
and
comply with the admission requirements for the BEngHons degree
2. Copy of the research master's dissertation
3. Comprehensive intellectual CV

Note:

1. Additional modules may be required in order to reach the desired level of competency
2. An entrance/admission examination may be required

Other programme-specific information

- a. Subject to the stipulations of General Academic Regulation G42, a master's degree is required for admission to studies for a PhD.
- b. Unless otherwise decided by the Dean, on the recommendation of the supervisor, the PhD degree is awarded on the basis of a thesis and an examination on the thesis. Conferment of the degree may be made subject to compliance with the stipulations of this regulation.
- c. The number of articles that have to be submitted to an accredited journal(s) on submission of a doctoral thesis should be a minimum of two. Departments may, however, require a higher number, as specified in their postgraduate brochures or departmental websites. At the latest, just before the department submits the final result of a thesis to the Dean, a student should submit proof of submission of articles issued by an accredited journal(s), to the head of the department, for his/her recommendation to the Dean. The submitted articles should be based on the research that the student has conducted for the thesis and should have been approved by the supervisor. The affiliations of both the student and supervisor should be listed as the University of Pretoria.
- d. The student must provide proof by means of his or her work, thesis and examination of advanced original research and/or creative work which makes a real and substantial contribution to the knowledge of Engineering Science and/or Practice.



Curriculum: Year 1

Core modules

Thesis: [Electronic engineering 990](#) (EIN 990) - Credits: 360.00



Curriculum: Final year

Core modules

Thesis: [Electronic engineering 990](#) (EIN 990) - Credits: 360.00

General Academic Regulations and Student Rules

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations. The G Regulations are updated annually and may be amended after the publication of this information.

Regulations, degree requirements and information

The faculty regulations, information on and requirements for the degrees published here are subject to change and may be amended after the publication of this information.

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQSF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.