

University of Pretoria Yearbook 2025

BEdHons in Science and Mathematics Education option Physical Sciences Education (09240018)

Department Science, Mathematics and Technology Education

Minimum duration of study 1 year

Total credits 128

NQF level 08

Admission requirements

1. A relevant bachelor's degree, and a relevant Teacher's Diploma (e.g. BA + HED)
or
A relevant bachelor's degree, and a Postgraduate Certificate in Education
or
A relevant four-year bachelor's degree in Education (e.g. BEd)
or
A relevant M+4 Teacher's Diploma, and a relevant Advanced Diploma in Education

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

Chancellor's examination

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a Chancellor's examination/s in these modules during

January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module (no rounding).

Curriculum: Final year

Minimum credits: 128

When the full-time option is chosen, all "Fundamental" and "Core" modules must be selected. When the part-time option is chosen, NMQ 745, EDS 711, CDD 710 and API 711 must be selected in the 1st year and NMQ 755, PHN 730, SMP 780 and SCU 731 must be selected in the final year.

Fundamental modules

Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00

Part 2: Research report 780 (SMP 780) - Credits: 16.00

Core modules

Assessment approaches and instruments 711 (API 711) - Credits: 16.00

Curriculum development 710 (CDD 710) - Credits: 16.00

Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00

Educational research methodology 745 (NMQ 745) - Credits: 16.00

Physical sciences education 730 (PHN 730) - Credits: 16.00

Sciences curriculum 731 (SCU 731) - Credits: 16.00

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.