

University of Pretoria Yearbook 2025

MSc specialising in Science Education (02250445)

Department	Centre for Science, Mathematics and Technology Education
Minimum duration of study	1 year
Total credits	180
NQF level	09

Programme information

This programme is offered by the Centre for Science, Mathematics and Technology Education. Students are registered in a discipline department in the relevant faculty. The MSc (Science Education) is designed for educators who wish to pursue their postgraduate studies in both a scientific discipline and in science education. Science, in this context, is interpreted in its broadest sense, and includes the physical, biological and earth sciences, as well as engineering and technology.

At the end of this programme the student will be capable of doing research in both scientific and educational disciplines. Candidates achieve an adequate background to pursue further qualifications in either content disciplines or the discipline of Science Education.

Related master's degree: MSc in Mathematics Education.

Admission requirements

1. Relevant Bachelor of Science Honours degree
or
Relevant Bachelor of Engineering degree (on NQF-level 8)
or
Relevant Bachelor of Science in Engineering degree (on NQF-level 8)
2. A weighted average of at least 60% at honours or final-year level

Other programme-specific information

Postgraduate modules may be required by the head of the department concerned. The dissertation will be supervised jointly by the Centre for Science Education and a discipline department.

Promotion to next study year

The progress of all master's candidates is monitored biannually by the supervisor and the postgraduate coordinator. A candidate's study may be terminated if the progress is unsatisfactory or if the candidate is unable to finish his/her studies during the prescribed period.

Subject to exceptions approved by the Dean, on recommendation of the relevant head of department, and where applicable, a student may not enter for the master's examination in the same module more than twice.

Curriculum: Final year

Additional information

Students must choose between SCE 890 and REE 890.

Core modules

Dissertation: Chemistry 890 (CHM 890) - Credits: 180.00

Dissertation: Engineering Education 890 (REE 890) - Credits: 180.00

Dissertation: Science education 890 (SCE 890) - Credits: 180.00

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.