BEngHons (Structural Engineering) (12240122)

Department	Civil Engineering
Minimum duration of study	1 year
Total credits	128
NQF level	08

Programme information

Refer also to G16-G29.

The curriculum is determined in consultation with the relevant heads of departments. A student is required to pass modules to the value of at least 128 credits.

The degree is awarded on the basis of examinations only.

Admission requirements

1. BEng degree awarded by the University of Pretoria **or** relevant four-year bachelor's degree in engineering that the Engineering Council of South Africa (ECSA) regards as acceptable for registration as a candidate engineer and for eventual registration as a professional engineer
2. An entrance examination may be required
3. Comprehensive intellectual CV

Examinations and pass requirements

Refer also to G18 and G26.

i. The examination in each module for which a student is registered, takes place during the normal examination period after the conclusion of lectures (i.e. October/November or May/June).
ii. G18(1) applies with the understanding that under exceptional circumstances an extension of a maximum of three years may be approved: provided that the Dean, on reccommendation of the relevant head of department, may approve a stipulated limited extension of this period.
iii. A student must obtain at least 50% in an examination for each module where no semester or year mark is required. A module may only be repeated once.
iv. In modules where semester or year marks are awarded, a minimum examination mark of 40% and a final mark of 50% is required.
v. No supplementary or special examinations are granted at postgraduate level.

Pass with distinction

A student passes with distinction if he or she obtains a weighted average of at least 75% (not rounded) in the first 128 credits for which he or she has registered (excluding modules which were discontinued timeously). The degree is not awarded with distinction if a student fails any one module (excluding modules which were discontinued timeously). The degree must be completed within the prescribed study period.

Curriculum: Final year

Minimum credits: 128

Additional information
Not all elective modules are presented every year. Please confirm with the department which modules are presented in the current year before registering.

Core modules
All core modules are compulsory modules

Elective modules
Select the remainder of the credits from the Elective modules list.

Core modules

Numerical methods and finite element applications for Civil Engineers 790 (SIK 790) - Credits: 24.00
Civil research 780 (SSC 780) - Credits: 32.00

Elective modules

Concrete technology 794 (SGC 794) - Credits: 24.00
Steel design 776 (SIN 776) - Credits: 24.00
Structural mechanics 777 (SIN 777) - Credits: 24.00
Reinforced concrete design 778 (SIN 778) - Credits: 24.00
Timber design 779 (SIN 779) - Credits: 24.00
Structural analysis 790 (SIN 790) - Credits: 24.00
Pre-stressed concrete design 791 (SIN 791) - Credits: 24.00
Infrastructure management 790 (SSI 790) - Credits: 24.00

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

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.