University of Pretoria Yearbook 2018

BEngHons Electronic Engineering (12240092)

Minimum duration of study	1 year
Total credits	128

Programme information

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

Subject to the stipulations of the General Regulations, Reg. G.1.3 and G.54, a BEng degree or equivalent qualification is required for admission.

Other programme-specific information

Students may take modules to the value of 32 credits from other fields of specialisation or from other departments, with approval of the Coordinator: Postgraduate Studies.

Examinations and pass requirements

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. A student registered for the honours degree must complete his or her studies within two years (full-time), or within three years (part-time) after first registration for the degree: Provided that the Dean, on recommendation 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% 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).

Curriculum: Final year

Minimum credits: 128

EIN 732 is a compulsory module. With permission from the department it may be substituted with:

EPT 732 OR

EPT 733

EIN 732 is 'n verpligte module. Met toestemming van die departement mag dit vervang word met:

EPT 732 OF

EPT 733

Core modules

Intelligent systems 732 (EAI 732) - Credits: 32.00
Advanced topics in intelligent systems 733 (EAI 733) - Credits: 32.00
Optimal control 780 (EBO 780) - Credits: 32.00
Renewable energy 732 (EGH 732) - Credits: 32.00
Introduction to research 732 (EIN 732) - Credits: 32.00
Electronic defence - electronic countermeasures 780 (ELB 780) - Credits: 32.00
Electronic defence - electronic support 781 (ELB 781) - Credits: 32.00
Antenna theory 780 (EMA 780) - Credits: 32.00
Multivariable control systems 732 (EMB 732) - Credits: 32.00
Microwave theory 780 (EMM 780) - Credits: 32.00
Research project: Theory 732 (EPT 732) - Credits: 32.00
Research project: Design and laboratory 733 (EPT 733) - Credits: 32.00
Digital communications 732 (ETD 732) - Credits: 32.00
Telecommunication systems engineering 732 (ETT 732) - Credits: 32.00