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# University of Pretoria Yearbook 2017

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## BEngHons Industrial Engineering (12240012)

**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

An appropriate bouquet of 8 modules must be selected in consultation with the Head of Department to comply with the requirements for one of the following domains of specialisation:

- Resource Optimisation (RO)
- Supply Chain Engineering (SCE)
- Business Process Management (BPM)

Industrial Engineers are not allowed more than 2 appropriate modules from other departments.

Non-Industrial Engineers are not allowed more than 1 appropriate module from other departments.

A maximum of 3 approved modules may be selected from other departments

### Examinations and pass requirements

- 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).
- 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.
- 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.
- In modules where semester or year marks are awarded, a minimum examination mark of 40% and a final mark of 50% is required.
- 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).



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## Curriculum: Final year

### Minimum credits: 128

BCS 780 is a compulsory module.

### Core modules

Quality management 780 (BGH 780) - Credits: 16.00

Operations research 780 (BOZ 780) - Credits: 32.00

Supply chain design 780 (BVK 780) - Credits: 16.00

Design and analysis of experiments 780 (BDE 780) - Credits: 16.00

Industrial and systems engineering research 780 (BCS 780) - Credits: 32.00

Supply chain processes 781 (BLK 781) - Credits: 16.00

Manufacturing planning systems 782 (BPZ 782) - Credits: 32.00

Solution algorithms in operations research 780 (BAR 780) - Credits: 32.00

Enterprise engineering and research methods 781 (BBA 781) - Credits: 32.00

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The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.