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# University of Pretoria Yearbook 2017

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## BScHons Applied Science Industrial Systems (12243002)

**Duration of study** 1 year

**Total credits** 128

### Programme information

The BScHons (Applied Science) degree is conferred by the following academic departments:

- Chemical Engineering
- Civil Engineering
- Industrial and Systems Engineering
- Materials Science and Metallurgical Engineering
- Mechanical and Aeronautical Engineering
- Mining Engineering

Any specific module is offered on the condition that a minimum number of students are registered for the module, as determined by the head of department and the Dean. Students must consult the relevant head of department in order to compile a meaningful programme, as well as on the syllabi of the modules. The relevant departmental postgraduate brochures must also be consulted.

### Admission requirements

An appropriate bachelor's degree, a BTech degree or equivalent qualification.

### Other programme-specific information

The modules CPB 410, CBI 410 and CSS 420 do not form part of the postgraduate block presentations. Individual arrangements have to be made with the relevant lecturer regarding attendance of lectures, study material, tests and assignments.



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## Curriculum: Final year

**Minimum credits: 128**

### Core modules

Industrial analysis 780 (BAN 780) - Credits: 16.00

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.