

University of Pretoria Yearbook 2021

BScHons Applied Science Chemical Technology (12243004)

Department Chemical Engineering

Minimum duration of study 1 year

Total credits 128

NQF level 08

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 relevant 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

1. Three-year BSc (or equivalent) degree (in Natural Sciences)
with a cumulative weighted average of at least 60% for the degree
and
a full year of Mathematics, Physics and Chemistry passed at least at first-year level (modules entitled "Introductory", "Elementary" or "Basic" will not be regarded as acceptable)
or
relevant BTech qualification excluding the National Diploma; i.e. one offered by a department of chemical engineering at a university of technology in South Africa
with a cumulative weighted average of at least 75% for the degree
and
no modules failed in the BTech degree
or
four-year engineering-based university degree not recognised by ECSA for registration as a professional engineer



and

a full year of Mathematics, Physics and Chemistry passed at least at first-year level (modules entitled “Introductory”, “Elementary” or “Basic” will not be regarded as acceptable)

or

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 and for eventual registration as a professional engineer

2. An entrance examination may be required

3. Comprehensive intellectual CV

Other programme-specific information

A limited number of appropriate postgraduate modules from other departments are allowed. Not all modules listed are presented each year. Please consult the departmental postgraduate brochure.

Specialisation in Process Technology is possible by registering for specific modules. (Please note that a candidate selecting this option will not be allowed to register for any modules at 700-level before the modules of the first semester at 400-level had been completed successfully.) Please consult the department.



Curriculum: Final year

Minimum credits: 128

Core modules

Bioprocessing 732 (CBP 732) - Credits: 32.00

Fluoro-materials science research and technology 732 (CFT 732) - Credits: 32.00

Chemical engineering 707 (CIR 707) - Credits: 32.00

Chemical engineering 787 (CIR 787) - Credits: 16.00

Carbon materials science research and technology 732 (CMS 732) - Credits: 32.00

Product design 732 (CPO 732) - Credits: 32.00

Polymer processing 732 (CPP 732) - Credits: 32.00

Polymer materials science and research 732 (CPW 732) - Credits: 32.00

Separation technology 732 (CSK 732) - Credits: 32.00

Additive technology 732 (CYM 732) - Credits: 32.00

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.