



University of Pretoria Yearbook 2016

BScHons Technology Management (12241072)

Duration of study 1 year

Total credits 128

Programme information

The BScHons (Technology Management) degree is conferred by the following academic department:

Engineering and Technology Management

The stipulations of Faculty Regulations for honours degrees apply mutatis mutandis.

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 is required for admission.



Curriculum: Final year

Minimum credits: 128

Core modules

Quality management 780 (IKK 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	22 other contact sessions per week, 14 lectures per week, 6 discussion classes per week
Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 1 or Semester 2

Module content

A research term paper will be prepared.

Engineering economics 780 (IKN 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	20 contact hours per semester
Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 1

Module content

A research term paper will be prepared.

Maintenance management 780 (IMC 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	20 contact hours per semester
Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 2

Module content

A research term paper will be prepared.



Organisation and innovation 780 (INV 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	16 lectures per week, 22 other contact sessions per week
Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 2

Module content

A research term paper will be prepared.

Project management 780 (IPK 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	20 contact hours per semester
Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 2

Module content

A research term paper will be prepared.

Systems engineering 780 (ISE 780)

Module credits	16.00
Service modules	Faculty of Natural and Agricultural Sciences
Prerequisites	No prerequisites.
Contact time	20 contact hours per semester
Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 1

Module content

A research term paper will be prepared.

Operations management 781 (IVV 781)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	20 contact hours per semester



Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 1 or Semester 2

Module content

A research term paper will be prepared.

Elective modules

Asset Management 780 (IBB 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	20 contact hours
Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 2

Module content

"Asset Management" may be defined as a life cycle process for creating, establishing, maintaining, operating, rehabilitating and divesting an asset in an optimal or balanced manner to satisfy the constraints imposed by economy, ergonomics, technical integrity and business performance. Within this definition, physical assets include equipment, infrastructure, and people. The 'holistic' view implied here recognises the wider range of disciplines required for strategic decisions and tactical management of physical assets. Strategy and tactics depend on the asset, whereas people processes underpin the effective management of an asset. The overall objective for the physical Asset Management module is to provide an integrated understanding of the complimentary disciplines applicable to the management of engineered assets. The module will emphasise the synergy between specialist and cross-disciplinary skills and their respective roles with respect to the management of physical assets. The overall outcome for the learner will be awareness of the collaboration required and application of cross-disciplinary skills in technical, engineering, finance logistics, human communication, and other functions to achieve effective management of physical assets.

Technological entrepreneurship 780 (IEE 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	20 contact hours per semester
Language of tuition	English
Academic organisation	Engineering and Tech Man
Period of presentation	Semester 2

Module content

A research term paper will be prepared.



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.