

Universiteit van Pretoria Jaarboek 2018

MIT Big Data Science (12254017)

Minimum duur van studie 2 jaar

Totale krediete 180

Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This degree programme is presented in English only.

Also consult G Regulations G.30 to G.54

The curriculum is determined in consultation with the programme organiser.

A student will have to apply to the Dean of the Faculty of Engineering, Built Environment and Information Technology if he/she requires more than three years to complete the degree.

Toelatingsvereistes

- i. Subject to the stipulations of Gen. Reg. G.1.3, G.30 and G.62, an appropriate honours or bachelor's degree is a requirement for admission.
- ii. Selection of candidates will take place.
- iii. The result of the selection is final and no correspondence will be entered into.
- iv. A minimum pass mark of 65% for the previous degree AND
- v. Successful completion of higher education modules, or other modules with similar content, as part of the previous degree in:
 - Statistics,
 - Calculus I,
 - Linear Algebra I,
 - Programming,
 - Database systems, and
 - Research methods; AND
- i. Success in the selection process based on:
 - previous education;
 - passing an English test; and
 - passing a proficiency test in Databases, Programming, Mathematics and Statistics.

Ander programspesifieke inligting

Discontinuation of studies

The Dean may, on the recommendation of the admissions committee, cancel the studies of a student who fails more than one module. A module may only be repeated once.



Deregistration of modules

Deregistration of modules is only allowed before the early deadline.

Eksamens en slaagvereistes

A minimum semester mark of 40% is required in order to be admitted to the final examinations in all the prescribed modules of the degree. A final mark of 50% is required to pass all coursework modules and the mini-dissertation.

Slaag met lof

The degree is conferred with distinction on students who have obtained at least 75% for the mini-dissertation and a minimum of 75% weighted average final mark for the coursework modules.

Kurrikulum: Jaar 1

Kernmodules

Inleiding tot grootdatawetenskap 800 (MIT 800) - Krediete: 5.00
Inleiding tot masjien- en statistiese leer 801 (MIT 801) - Krediete: 15.00
Inleiding tot dataplatforms en -bronne 802 (MIT 802) - Krediete: 5.00
Inleiding tot inligtingetiek vir grootdatawetenskap 803 (MIT 803) - Krediete: 5.00
Inleiding tot wiskundige optimalisering vir grootdatawetenskap 804 (MIT 804) - Krediete: 5.00
Grootdata 805 (MIT 805) - Krediete: 10.00
Grootdatabestuur 806 (MIT 806) - Krediete: 10.00
Navorsingsmetodes vir grootdatawetenskap 809 (MIT 809) - Krediete: 5.00

Keusemodules

Grootdatawetenskap-keusemodule 801 (COS 801) - Krediete: 5.00
Grootdatawetenskap-keusemodule 802 (COS 802) - Krediete: 5.00
Grootdatawetenskap-keusemodule 801 (ERZ 801) - Krediete: 5.00
Grootdatawetenskap-keusemodule 802 (ERZ 802) - Krediete: 5.00
Grootdatawetenskap-keusemodule 801 (INF 801) - Krediete: 5.00
Grootdatawetenskap-keusemodule 802 (INF 802) - Krediete: 5.00
Grootdatawetenskap-keusemodule 820 (INL 820) - Krediete: 5.00
Statistiek keusemodule 801 (STK 801) - Krediete: 5.00
Statistiek Keusemodule 802 (STK 802) - Krediete: 5.00
Grootdatawetenskap-keusemodule 801 (WTW 801) - Krediete: 5.00
Grootdatawetenskap-keusemodule 802 (WTW 802) - Krediete: 5.00



Kurrikulum: Finale jaar

Kernmodules

[Miniverhandeling in grootdatawetenskap 807 \(MIT 807\)](#) - Krediete: 90.00

[Grootdatawetenskap 808 \(MIT 808\)](#) - Krediete: 20.00

Die inligting wat hier verskyn, is onderhewig aan verandering en kan na die publikasie van hierdie inligting gewysig word.. Die [Algemene Regulasies \(G Regulasies\)](#) is op alle fakulteite van die Universiteit van Pretoria van toepassing. Dit word vereis dat elke student volkome vertrouwd met hierdie regulasies sowel as met die inligting vervat in die [Algemene Reëls](#) sal wees. Onkunde betreffende hierdie regulasies en reëls sal nie as 'n verskoning by oortreding daarvan aangebied kan word nie.