
MIT specialising in Big Data Science (Coursework)

- [University of Pretoria](#)
- [Study at UP](#)
- MIT specialising in Big Data Science (Coursework)

Programme Code

12254017

Closing Dates

- **SA** - 30/11/2025
 - **Non-SA** - 30/11/2025
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Admission Requirements

General Admission Regulations:

Refer to the UP Institutional Admissions Policy as well as the General Academic Regulations and Student Rules (Go to www.up.ac.za/yearbooks/home and click on General Rules and Regulations, then on General Academic Regulations and Student Rules)

1. All applications must be accompanied by the following documents:
 - a. Certified full academic transcripts from undergraduate to current level;
 - b. Certified copy of ID or passport;
 - c. A research concept note (not applicable to honours or coursework master's degrees): A description of the proposed research field indicating a research topic and the broad scope of the proposed study, not exceeding 500 words.
 2. All applicants with international qualifications must submit the following documents, subject to provision number 9:
 - a. A SAQA evaluation of the completed qualification or a comprehensive Foreign Qualification Report
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- b. *TOEFL or IELTS or Pearson Test of English or Oxford Test of English test results (if applicable)
- c. Certified copy of passport.
- 3. All postgraduate applications are subject to departmental admissions processes.
- 4. Admissions is based on the content of and performance in the prior degree, bridging arrangements (where required), academic merit and prior work experience (if applicable).
- 5. Admission to all qualifications is subject to supervisory capacity and/or research projects in the field of specialisation in a department, therefore the relevant department has the right to limit the number of students per year.
- 6. Complying with the minimum admissions requirements, does not automatically guarantee admission to the degree.
- 7. Proposed research studies for masters and doctoral applicants should align with the research focus of the relevant department.
- 8. *If a qualifying candidate has expressed an interest in a field of study that the relevant department cannot accommodate, the applicant may be considered for an alternative project.*
- 9. All postgraduate applicants must be proficient in English as English is the official language of tuition, communication and correspondence at the University of Pretoria. Candidates who cannot provide evidence that previous studies were completed in English, must submit TOEFL or IELTS or Pearson Test of English or Oxford Test of English test results with their application.
- 10. All applicants must be computer literate.
- 11. All students need to have access to an internet enabled device, as well as consistent email and internet access.
- 12. Allowance will be made for the diversity profile of students in accordance with the University strategy.

Minimum admissions requirements:

- 1. Relevant honours degree, with a weighted average of at least 65% for the honours degree
or
relevant four-year bachelor's degree, with a weighted average of at least 65% at final-year level
and
- 2. The following modules passed at first-year level:
 - a. Mathematical Statistics or Statistics
and
 - b. Mathematics (preferably Calculus and Linear Algebra)
and
 - c. Programming
- 3. A recommendation letter from the employer/line manager, indicating a commitment that they will make time available for the employee to devote to the studies
- 4. Essay/motivation letter motivating the interest in this degree
- 5. Comprehensive intellectual CV

Minimum duration of study

2 years, full-time

Faculty Notes

The Faculty of Engineering, Built Environment and Information Technology at the University of Pretoria is a leading source of graduates in the engineering, built environment and information technology professions. We achieve this by a focus on research to drive innovative and enquiry-led teaching for educating and positioning our students to be leaders in their professions. The Faculty has extensive and cutting-edge teaching, learning and laboratory facilities integrated with the excellent suite of facilities and services offered by the University. We facilitate access to our qualifications through our extended programmes but expect our students to excel and develop as future professionals through our programme offering. We invite you to consider enrolling in one of our programmes if you share our vision of excellence and want to position yourself as a leader in the professions that we support.

The Faculty is organised in four schools: the School of Engineering, the School for the Built Environment, the School of Information Technology and the Graduate School of Technology Management. The School of Engineering is the largest of its kind in the country in terms of student numbers, graduates and research contributions and offers programmes in all the major engineering disciplines with many specialisations also offered at undergraduate and graduate level.

The University of Pretoria aims to be internationally competitive while also locally relevant. Advisory boards at both faculty and departmental level promote alignment and excellence in our teaching and research activities. Where applicable and available our programmes are accredited by statutory and professional bodies at both national and international level.

Enquiries about the programme

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How to apply



Online Application





Note: Also consult General Rules and Information on the Yearbook website for additional information.

Disclaimer: Due to the continuous restructuring of the Faculty and this website, some of the information displayed here may not fully reflect the most recent developments in the Faculty. Any discrepancies that are experienced may be taken up with Student Administration of the Faculty.