



Mangosuthu
University of Technology

PROSPECTUS





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Who are We?

We are uniquely located in a semi-urban setting at the heart of Umlazi Township, Durban, KwaZulu-Natal. Mangosuthu University of Technology (MUT) has distinguished itself as a diverse institution offering internationally recognised and fully accredited qualifications across the Faculties of Engineering, Management Sciences, and Natural Sciences. Opening its doors to only 15 students in 1979, MUT to date has more than 10 000 registered students and accommodates about 60% of its student population in its on- and off-campus residences. Our two campuses are on the public transport access route that can be reached through buses, taxis and trains.

MUT strives to offer students an unforgettable campus life by providing valuable academic programming, academic support services to enhance students' progress, leadership and entrepreneurial development programmes, an active sports culture, and a sense of community service. In 2014, the MUT campus was declared an alcohol-free zone.

Our students represent all nine South African provinces and beyond the South African borders.

MUT identifies teaching and learning as its core business and therefore seeks to excel in academic learning and achievement.



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Contacting MUT

Admission Enquiries – 031 907 7181

Email: info@mut.ac.za

Application and Admissions Call Centre – 031 819 9280/9282/9284/9286/9287

Faculty of Engineering – 031 907 7172

Email: sidudzo@mut.ac.za

Faculty of Management Sciences – 031 907 7452

Email: quilie@mut.ac.za

Faculty of Natural Sciences – 031 907 7678

Email: israel@mut.ac.za

Financial Aid Bureau – 031 907 7106

Email: andrew@mut.ac.a

Schools Liaison Office – 031 907 7194

Email: sarda@mut.ac.za/innocent@mut.ac.za

General Switchboard – 031 907 7111

www.mut.ac.za





How to Apply to MUT

All first-year applications are submitted through the Central Applications Office (CAO). This is a simplified way of applying for more than one programme, using one application form, and paying a single application fee. Use your unique CAO number as a reference when paying the application fee.

We advise prospective students to choose MUT as a first choice. Application forms can be downloaded from the CAO website, www.cao.ac.za.

You may also apply online by going to www.cao.ac.za, click on the apply tab, then click on apply now, and follow the easy application process. The CAO number appears in tear-off slip on the CAO application form.



Checking the Progress of your Application

You can track the progress of your application by going to www.cao.ac.za and enter your CAO number, or email enqgeneralcao@cao.ac.za or call 031 268 4444.

Important Closing Dates:

Faculty of Engineering – first semester applications	-	30 September
Faculty of Engineering – second semester applications	-	31 May
Faculty of Natural Sciences	-	30 September
Analytical Chemistry – second semester applications	-	31 May
Faculty of Management Sciences	-	30 September

Applications submitted after 30 September accumulate a late application fee, determined by the CAO.

Important Application Documents (for South African Applicants)

- National Senior Certificate or Statement of Results;
- Senior Certificate;
- Identity Document; and
- Students transferring from other universities should submit an original academic record and a certificate of good conduct.

Non-South African Applicants

- A valid passport and study permit;
- A valid medical aid/health insurance cover;
- Police clearance certificate – part of the requirements as from January 2015;
- SGCE, GCE, GCSE, IGCSE or Cambridge School Certificate;
- Five subjects at O Levels including Maths A/B/C, Physical Science A/B/C, English A/B/C, and Technical Drawing A/B/C; and
- Three of the five subjects must have been passed in the same exam sitting.





General Admission Requirements

Each faculty stipulates admission requirements based on a points aggregate calculated from the best six subjects presented by the prospective student. Over and above the points system, some departments administer a compulsory

entrance test. Not all applicants who meet the minimum requirements can be accepted due to limited space. The selection process prioritises the best qualified applicants and those who selected MUT as their first or second choice.

Minimum Entrance Requirements

- National Senior Certificate with a diploma pass or N3 with 50% pass in Mathematics and English;
- A minimum of six subjects with level 4 pass for Diploma study and level 3 for Access Courses;
- English Home Language or First Additional language, level 4 pass;
- Specific subject combination and pass level relevant to the qualification; and
- Minimum points as per faculty requirement and as listed in the CAO handbook.



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Point Calculation Matrix

National Senior Certificate:		
NSC-LEVEL RATING	NSC PERCENTAGE	POINTS
	90-100	8
7	80-89	7
6	70-79	6
5	60-69	5
4	50-59	4
3	40-49	3

Senior Certificate:		
Symbol	Higher Grade	Standard Grade
A	8	6
B	7	5
C	6	4
D	5	3
E	4	2





A Snapshot of MUT Qualifications

FACULTY OF ENGINEERING

Engineering programmes are about the design and production of useful products and services. Engineers convert scientific knowledge into technology and then technology into successful advancement. At MUT, we offer National Diplomas in Chemical, Civil, Surveying, Electrical, Building (Construction

Management & Quantity Surveying), and Mechanical Engineering. We also offer a Bachelor of Technology in Chemical Engineering. The Faculty of Engineering also offers bridging programmes designed to prepare students who could not fulfill all the diploma entrance requirements.

List of Engineering qualifications and CAO codes

Qualification	Minimum Requirements	CAO Code	Duration
Chemical Engineering	Mathematics 4 Physical Science 4 English 1st Additional 4	MN-M-CE3	3 yrs
Civil Engineering	Mathematics 4 Physical Science 4 English 1st Additional 4	MN-M-CV3	3 yrs
Surveying	Mathematics 4 Physical Science 4 English 1st Additional 4	MN-M-SV3	3 yrs
Building (Construction Management & Quantity Surveying)	Mathematics 4 Physical Science 4 English 1st Additional 4	MN-M-BU3	3 yrs
Electrical Engineering	Mathematics 4 Physical Science 4 English 1st Additional 4	MN-M-EE5	3 yrs
Mechanical Engineering	Mathematics 4 Physical Science 4 English 1st Additional 4	MN-M-ME3	3 yrs

Engineering Access (bridging) programmes and CAO codes

Qualification	Minimum Requirements	CAO Code	Duration
Chemical Engineering	English HL4/FAL 3 Mathematics 3 Physical Science 3	MN-M-CEB	6 months
Civil Engineering	English HL4/FAL 3 Mathematics 3 Physical Science 3	MN-M-CVB	6 months
Electrical Engineering	English HL 4/FAL 3 Mathematics 3 Physical Science 3	MN-M-EEB	6 months
Mechanical Engineering	English HL4/FAL 3 Mathematics 3 Physical Science 3	MN-M-MEB	6 months
Building	English HL4/FAL 3 Mathematics 3 Physical Science 3	MN-M-BUB	6 months
Surveying	English HL4/FAL 3 Mathematics 3 Physical Science 3	MN-M-SVB	6 months



Career Opportunities

National Diploma: Chemical Engineering

The course trains students to be technicians qualified to assist a chemical engineer or plant operator in the control, maintenance and functioning of processes involved in the production of chemicals. The technician's duties include research, economic evaluation and unit operations.

National Diploma: Civil Engineering

The course qualifies the technician for employment with civil engineering contractors, consultants, Government departments or municipalities, where he/she would form part of a team that is usually managed by a professional engineer or technologist. The technician could be involved in the design and construction of



civil engineering structures such as roads, bridges, dams, railways, harbours, buildings and airports.

National Diploma: Surveying

Scaled-base maps are essential to any construction planning or development of land. The course qualifies the student as a surveyor who has the ability to prepare maps of various scales set out for the required structures, transportation routes, industrial and residential properties.

National Diploma: Construction Management & Quantity Surveying (Building)

After completing the course, students specialise in either construction management or quantity surveying. The course provides essential skills and knowledge needed in the construction of housing, schools, community facilities and other building projects.

National Diploma: Electrical Engineering

The course equips the students with the knowledge and skills needed for working in electrical power generation and distribution environments, process control environments, and electronic communication environments. The course may include design, development and work on computer-based systems.

National Diploma: Mechanical Engineering

The diploma qualifies students for a wide range of occupations. There are employment opportunities in the manufacturing industry, motor industry, ship building industry, aircraft industry, at power stations and on the mines.

FACULTY OF MANAGEMENT SCIENCES

Management Sciences is concerned with developing and applying models and concepts that help to illuminate management issues and solve managerial problems. The Faculty offers

National Diplomas in Accounting, Cost and Management Accounting, Public Finance & Accounting, Human Resource Management, Marketing, Office Management & Technology, and Public Administration.

Qualifications and CAO codes for the Faculty of Management Sciences

Qualification	Minimum Requirements	CAO Code	Duration
Accounting	English Home Language 4 English First Additional Language 5, Accounting 4 Mathematics 3 OR Mathematics Literacy 6	MN-M-AC3	3/4 yrs
Finance & Accounting: Public	English Home Language 4 English First Additional Language 5 Accounting 4 Mathematics 3 OR Mathematics Literacy 6	MN-M-PF3	4 yrs
Human Resource Management	English Home Language 3 English First Additional Language 4 Accounting Mathematics 3 OR Mathematics Literacy 4	MN-M-HR3	3 yrs
Marketing	English Home Language 4 English First Additional Language 5 Mathematics 3 OR Mathematics Literacy 4 Accounting 3	MN-M-MM3	3 yrs
Office Management & Technology	English Home Language 3 English First Additional Language 4 Any other five accredited subjects 25 points A pass in Typing or Computer Studies will be an added advantage	MN-M-OT3	3 yrs
Public Administration	English Home Language English First Additional Language 4 Any other five accredited subjects 25 points	MN-M-PU3	3 yrs



