

2023-2024 PROSPECTUS



Define tomorrow.

UNISA


college of
science, engineering
and technology

UNISA STUDENTS ARE WIDELY RECOGNISED IN THE WORKPLACE

Recognition of our students is not only based on their qualifications, but also on their work ethic and ability to function independently, with perseverance and self-discipline. Unisa students tend to be more mature, can plan their studies around their work and still have time for family and other commitments. Self-discipline and time management are two of the skills required to study at Unisa – distance education may not be for everyone, but it may just be for you! Imagine a flexible classroom that can be adjusted around your schedule – your classroom will be wherever you are: a room at home, a desk at work, a hotel room while you are on a business trip.

As a modern distance-learning institution, Unisa uses the latest IT technology, integrated in the learning process. However, if you do not have a computer or internet access, you are not excluded! You may use any of our telecentres to access computer resources. Wherever you are in the world, as a Unisa student you are never alone. We have provided a number of support services for our students, such as an online learning portal, called myUnisa. We also offer online discussion forums, where you can chat to other students and your lecturers and content-specialist e-tutors; and you will also have access to career and study counsellors.

HOW READY ARE YOU FOR CODEL?

Comprehensive, open, distance and eLearning (CODEL+) is a different way of learning compared to your previous learning experiences. Most importantly: you will have to take responsibility for your studies. Your contact with the University, your lecturers or your fellow students will be mostly via the internet or other mass-media forms.

**THIS MAY BE YOUR
OPPORTUNITY. ARE
YOU READY FOR THE
CHALLENGE?**

OUR VISION

The vision of the College of Science, Engineering and Technology (CSET) is to *“develop world class, futuristic, African science, engineering and technology leaders, who aspire to extend the frontiers of innovation”*.

OUR MISSION

CSET provides graduates with an enabling environment for advancing science, engineering and technology knowledge that is nationally responsive and globally relevant.

OUR VALUES

- Academic excellence
- Quality service
- Responsibility and accountability
- Adaptability
- Equity and respect
- Integrity

The College of Science, Engineering and Technology believes in providing affordable, accessible, high-quality, relevant Science, Engineering and Technology programmes. Therefore, we offer innovative delivery approaches and mechanisms that support our extensive student base through excellent research, community engagement, academic and administrative staff, and systems.



MODERN FACILITIES

The Unisa Science Campus offers state-of-the-art laboratories and high-end equipment, thereby advancing science education and research at an international level. It features 12 buildings, a library, two auditoriums and a large study area. The new laboratories are for teaching and learning, and research purposes. The modern facilities and equipment not only enable the training of both undergraduate and postgraduate students, but also attract international scholars and researchers to collaborative research. The Science Campus creates an environment that stimulates research and innovation, supports researchers and meets the educational and training needs of Unisa's Comprehensive, open, distance and e-Learning students, at both undergraduate and postgraduate levels.

RECOGNITION OF PRIOR LEARNING (RPL)

During your lifetime, you might have acquired various skills, competencies and experiences. This learning – which may have taken place outside formal education and training – is valuable, regardless of where or when it was obtained. You may have acquired skills or knowledge from a combination of training conducted while at work, experience gained at work, short courses, or from community work in a relevant field. RPL permits you to gain credits towards formal certificate, diploma and degree qualifications offered by Unisa, based on the level and extent of your knowledge. Your prior learning will be measured against specified prescribed learning outcomes.

For more information on recognition of prior learning, please email rpl@unisa.ac.za or visit www.unisa.ac.za/rpl.



CHOOSE YOUR QUALIFICATION

UNDERGRADUATE QUALIFICATIONS

HIGHER CERTIFICATES

- Higher Certificate in Physical Sciences (90101)
- Higher Certificate in Mathematics and Statistics (90129)

DIPLOMAS

- Diploma in Chemical Engineering (90130)
- Diploma in Civil Engineering (90137)
- Diploma in Electrical Engineering (90138)
- Diploma in Industrial Engineering (90136)
- Diploma in Information Technology (98806 - ITE)
- Diploma in Mechanical Engineering (90132)
- Diploma in Mining Engineering (90140)
- Diploma in Pulp and Paper Technology (90141)

Additional qualifications will be added once the legal registration process of the new qualifications with the relevant authorities has been completed.

ADVANCED DIPLOMAS

- Advanced Diploma in Chemical Engineering (90128)
- Advanced Diploma in Electrical Engineering in Power Engineering (90126)

- Advanced Diploma in Electrical Engineering in Telecommunications (90127)
- Advanced Diploma in Engineering Technology in Civil Engineering (90142)
- Advanced Diploma in Industrial Engineering (90134)
- Advanced Diploma in Information Resource Management (90007)
- Advanced Diploma in Mechanical Engineering (90133)
- Advanced Diploma in Mining Engineering (90131)

Additional qualifications will be added once the legal registration process of the new qualifications with the relevant authorities has been completed.

BACHELOR DEGREES

- Bachelor of Science Applied Mathematics and Computer Science (98801 - AMC)
- Bachelor of Science Applied Mathematics and Physics (98801 - AMP)
- Bachelor of Science Applied Mathematics and Statistics (98801 - AMS)
- Bachelor of Science Chemistry and Applied Mathematics (98801 - CAM)
- Bachelor of Science Chemistry and Computer Science (98801 - CCS)
- Bachelor of Science Chemistry and Information Systems

- (98801 - CIS)
- Bachelor of Science Chemistry and Physics (98801 - CAP)
- Bachelor of Science Chemistry and Statistics (98801 - CAS)
- Bachelor of Science General (98801 - GEN)
- Bachelor of Science Mathematics and Applied Mathematics (98801 - MAM)
- Bachelor of Science Mathematics and Chemistry (98801 - MAC)
- Bachelor of Science Mathematics and Computer Science (98801 - MCS)
- Bachelor of Science Mathematics and Information Systems (98801 - MIS)
- Bachelor of Science Mathematics and Physics (98801 - MAP)
- Bachelor of Science Mathematics and Statistics (98801 - MAS)
- Bachelor of Science Statistics and Physics (98801 - STP)
- Bachelor of Science in Computing (98906 - COM)
- Bachelor of Science in Informatics (98907 - INF)

POSTGRADUATE QUALIFICATIONS

POSTGRADUATE DIPLOMAS

- Postgraduate Diploma in Information Resource Management (90069)

HONOURS DEGREES

- Bachelor of Commerce Honours in Business Informatics (98450)
- Bachelor of Engineering Technology Honours in Chemical Engineering (90155)
- Bachelor of Engineering Technology Honours in Electronic Engineering (90156)
- Bachelor of Engineering Technology Honours in Industrial Engineering (90154)
- Bachelor of Engineering Technology Honours in Mechanical Engineering (90151)
- Bachelor of Engineering Technology Honours in Power Engineering (90153)
- Bachelor of Engineering Technology Honours in Structural Engineering (90152)
- Bachelor of Engineering Technology Honours in Water Engineering (90150)
- Bachelor of Science Honours in Applied Mathematics (98921)
- Bachelor of Science Honours in Astronomy (98920)
- Bachelor of Science Honours in Chemistry (98919)
- Bachelor of Science Honours in Computing (98908)
- Bachelor of Science Honours in Mathematics (98923)
- Bachelor of Science Honours in Physics (98918)
- Bachelor of Science Honours in Statistics New Curriculum (98922 - NEW)
-

MASTER'S DEGREES

- Master of Engineering (90121)
- Master of Science in Applied Mathematics (98971)
- Master of Science in Astronomy (98973)
- Master of Science in Chemistry (98975)
- Master of Science in Computing (98961)
- Master of Science in Information Technology Management (90157)
- Master of Science in Mathematics (98977)
- Master of Science in Physics (98980)
- Master of Science in Statistics (98982)
- Master of Science in Chemistry Education (98963)
- Master of Science in Computing Education (98964)
- Master of Science in Life Science Education (98965)
- Master of Science in Mathematics Education (98966)
- Master of Science in Physics Education (98967)
- Master of Science in Science Education (98968)
- Master of Science in Statistics Education (98969)
- Master of Science in Technology Education (98970)

DOCTORAL DEGREES

- Doctor of Philosophy in Applied Mathematics (98972)
- Doctor of Philosophy in Astronomy (98974)
- Doctor of Philosophy in Chemistry (98976)
- Doctor of Philosophy in Computer Science (98803)
- Doctor of Philosophy in Engineering (90179)
- Doctor of Philosophy in Information Systems (98804)
- Doctor of Philosophy in Mathematics (98979)
- Doctor of Philosophy in Physics (98981)
- Doctor of Philosophy in Statistics (98984)
- Doctor of Philosophy Science, Engineering and Technology (90040 - SET)
- Doctor of Philosophy Statistics Education (90040 - STA)
- Doctor of Philosophy Technology Education (90040 - TEC)
- Doctor of Philosophy Astronomy Education (90040 - AST)
- Doctor of Philosophy Chemistry Education (90040 - CHE)
- Doctor of Philosophy Computing Education (90040 - COM)
- Doctor of Philosophy Life Sciences Education (90040 - LIF)
- Doctor of Philosophy Mathematics Education (90040 - MAT)
- Doctor of Philosophy Physics Education (90040 - PHY)
- Doctor of Philosophy Science Education (90040 - SCE)

You may apply for the CSET Master's and PhD qualifications outside the prescribed application dates (excluding Computing students.) Please contact the Master's and Doctoral Administration Section for assistance

(011 471 3296; mandd@unisa.ac.za).

ADMISSION REQUIREMENTS

Your admission to Unisa is dependent on you meeting the specific admission requirements for your chosen qualification.

HIGHER CERTIFICATE QUALIFICATIONS

A National Senior Certificate (NSC), with at least 30% in the language of teaching and learning and 40% in Mathematics

OR

A Senior Certificate, with at least 30% in the language of teaching and learning and 40% in Mathematics in terms of the NSC

OR

A National Certificate (Vocational) Level 4, with at least 30% in the language of teaching and learning and 40% in Mathematics in terms of the NSC

DIPLOMA QUALIFICATIONS IN ENGINEERING

The learners accepted to enrol for the qualification must meet one of the following requirements:

A National Senior Certificate (NSC) (Diploma endorsement) with a rating of 4 in Mathematics or Technical Mathematics not (Mathematical Literacy), English, Physical Science or Technical Science, or N4 Mathematics and Engineering Science with minimum mark of 50%,

OR

a Senior Certificate (prior to 2008) with Mathematics, Physical Science and English with at least a D symbol on the Higher Grade or C symbol on the Standard Grade or N4 Mathematics and Engineering Science with minimum mark of 50%.

OR

NC(V) National Certificate (Vocational) (Diploma endorsement) with English, Mathematics and Engineering Science with a minimum mark of 50%.

OR

Higher Certificate in relevant field.

- Applicants who do not comply with the above requirements should consider applying for a lower level qualification for which they meet the statutory and additional requirements.

DIPLOMA IN INFORMATION TECHNOLOGY

A National Senior Certificate (NSC) (Diploma endorsement) or equivalent with at least 50% in the language of teaching and learning, 50% in Mathematics or at least N4 Mathematics passed with a minimum of 50% and N4 English, or N4 Communication, or N4 Communication Technology passed with at least 50%

OR

a Senior Certificate (SC) with at least a D symbol on HG or a C symbol on SG in the language of teaching and learning, and with at least a D symbol on HG or a C symbol on SG in Mathematics, and a D symbol on HG or a C symbol on SG in Physical Science, if any Physics or Chemistry modules form part of the curriculum of a selected qualification, or at least N4 Mathematics passed with a minimum of 50% and N4 English, or N4 Communication, or N4 Communication Technology passed with at least 50%.

To qualify for diploma qualifications, students have to comply with all admission requirements, inclusive of the minimum APS of 18, and must be eligible for admission into diploma studies. Applicants who do not comply with the above requirements should consider applying for a lower level qualification for which they meet the statutory and additional requirements

ADVANCED DIPLOMA IN ENGINEERING

To be accepted for an Advanced Diploma, you must have completed:

A National Diploma in Engineering, at NQF level 6, in the relevant field

OR

A 360 credit Diploma in Engineering at NQF Level 6, in the relevant field

OR

Advanced Certificate in Engineering Practice in a relevant field at NQF Level 6, from an accredited provider of higher education

OR

A national or international equivalent qualification at NQF level 6 in the appropriate field

ADVANCED DIPLOMA IN INFORMATION RESOURCE MANAGEMENT

An appropriate Diploma or National Diploma or Bachelor's Degree in IT or an ICT related qualification field on NQF level 6 from an accredited provider of higher education or a minimum of 60% of the completed coursework qualification that satisfies the vocational requirement of the Advanced Diploma qualification

HONOURS DEGREES

An appropriate NQF 7 qualification from an accredited provider of higher education. A minimum of 60% for the major(s), or for a selected number of NQF 7 modules in the qualification.

ADMISSION REQUIREMENTS FOR BACHELOR OF SCIENCE DEGREES

Your admission to Unisa is dependent on you meeting the specific admission requirements for your chosen qualification:

A National Senior Certificate (NSC) (Degree endorsement) or equivalent with at least 50% in the language of teaching and learning, 50% in Mathematics or Technical Mathematics and 50% in Physical Science or Technical Science, if any Physics or Chemistry modules form part of the curriculum of a selected qualification, or at least N4 Mathematics passed with a minimum of 50% and N4 English, or N4 Communication, or N4 Communication Technology passed with at least 50%, and at least N4 Engineering Science passed with a minimum of 50%, if any Physics or Chemistry modules form part of the qualification,

OR

a Senior Certificate (SC) with matriculation exemption or qualify for the exemption from the Matriculation Board with at least a D symbol on HG or a C symbol on SG in the language of teaching and learning, and with at least a D symbol on HG or a C symbol on SG in Mathematics, and a D symbol on HG or a C symbol on SG in Physical Science, if any Physics or Chemistry modules form part of the curriculum of a selected qualification, or at least N4 Mathematics passed with a minimum of 50% and N4 English, or N4 Communication, or N4 Communication Technology passed with at least 50%, or and at least N4 Engineering Science passed with a minimum of 50%, if any Physics or Chemistry modules form part of the qualification,

OR

a Higher Certificate that satisfies the Mathematics, Physical Science and Language requirements. Applicants who do not comply with the above requirements should consider applying for a lower level qualification for which they meet the statutory and additional requirements.

MASTER'S DEGREES

An Honours degree, postgraduate diploma, or 4-year bachelor of science degree in the related field, with an average of at least 60%. Applicants must first contact the relevant academic department to confirm the availability of a supervisor, before applying for admission. Students who have not completed a module in research methodology may be required to complete such a module before the proposal for a Master's degree will be considered.

DOCTORAL DEGREES

An appropriate Master's degree. Applicants must first contact the relevant academic department to confirm the availability of a supervisor, before applying for admission.

Disclaimer: Meeting the minimum requirements for the postgraduate qualifications will not guarantee a place at Unisa, as the University can only enrol a limited number of students per qualification.

1 Choosing your qualification

Once you have decided on the qualification you want, you are ready to apply. You are encouraged to select two (2) possible qualifications and rank them in order of preference – remember that Unisa has limited space per qualification, so you may not be admitted to your first choice. Make sure that you meet the admission requirements of all the qualifications you list.

2 Make sure your application is complete

If your application for admission to study through Unisa is incomplete, it cannot be considered.

3 Upload supporting documents

Everyone applying for a new qualification (first-time applicants or existing students starting a new qualification) must submit the required documents. Unisa does not provide scanners or electronic devices at the regional offices, so please ensure that your documents are scanned and uploaded to an electronic device before starting the application process. Documents must have been certified within the last 3 months before uploading – uncertified copies that are uploaded will be rejected. Required documents generally consists of the following:

- Copy of your school qualifications (eg Senior Certificate)
- Copy of your marriage certificate (if applicable) or divorce decree (if applicable)
- Copy of your official tertiary academic record(s) (if applicable) (internet copies will not be accepted)
- Sworn translations of documents if they are not in English or Afrikaans
- Copy of your ID document (RSA students) or ID / passport (international students)

HOW TO APPLY

4 Pay the application fee once you've received a student number from Unisa

Pay the application fee once you have received a student number, and use this number as payment reference. Visit www.unisa.ac.za/paymentinfo for banking and payment information. It is often more convenient and quicker to pay by credit card on the secure Unisa website.

5 Accreditation

CSET offers Engineering programmes that are aligned with the Higher Education Qualifications Sub-Framework (HEQSF), endorsed by the Department of Higher Education and Training (DHET), accredited by the Council on Higher Education (CHE) and registered with the South African Qualifications Authority (SAQA).

All Engineering qualifications offered by Unisa are fully accredited by the Engineering Council of South Africa (ECSA), in compliance with the International Engineering Alliance requirements for international comparability. The last ECSA accreditation was done in March 2019.

STUDENT SUPPORT AT THE COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

CSET prides itself on its learner support, which includes the following:

OUR STAFF

Studying at an CODEL+ institution does not mean you are completely on your own. Our College is well staffed with top-notch National Research Foundation (NRF)-rated researchers and committed lecturers. Their research interests range from astronomy and mathematics, to physics, chemistry and various engineering disciplines. CSET is also known to be a national leader in the field of nanotechnology.

MYUNISA

Unisa's online student portal, known as myUnisa, is the university's most important study tool. It is how you will communicate with Unisa and how Unisa will communicate with you.

MYLIFE EMAIL ACCOUNT

Registered Unisa students will get a free email account, known as a myLife email account. Important information, notices and updates are sent to this account.

E-TUTORS

Unisa has introduced online e-tutoring in all undergraduate learning programmes, thus providing support to students, irrespective of their geographic location. A group of about 200 students is linked to each tutor. In this group, students are also able to interact and learn from each other.

Should you experience challenges with the e-tutoring system, you can contact

Nomsa Ndlovu
(School of Engineering)
Tel: 011 471 3135
ndlovup@unisa.ac.za

Mr Mpho Boysa
(School of Science)
Tel: 011 670 9089
boysamg@unisa.ac.za

Moshe Mathews Seoka
(School of Computing)
Tel: 011 471 2418
seokamm1@unisa.ac.za

Ms Mitchellleen Mohlala
(School of Computing)
Tel: 011 670 9137
nkwanmd@unisa.ac.za

REGIONAL CENTRES

Unisa's distance-education character is also reflected in its regional structure, which includes seven regions, namely Gauteng, Kwazulu-Natal, Limpopo, Midlands, Mpumalanga, Eastern Cape and Western Cape. Together, these regions have 28 hubs, service centres and agencies that serve many thousands of students. At most of the regional offices we have learning centres, where distance learners can go in order to get various forms of support for their studies.

LIBRARY

The library is one of the University's indispensable resources. Knowing how to use it is central to the successful Unisa student experience. The Unisa Library is the largest academic library in Africa, containing more than 2.7 million items, including books, reference resources, e-books, e-newspapers and e-journals.

THE “TEACH-OUT” PROCESS (FOR ENGINEERING STUDENTS ONLY)

1. 2019 was the last year that new students could enrol for National Diplomas and BTech qualifications.
2. These registered undergraduate Engineering students are required to finish their studies according to a “teach-out” plan, in line with Unisa’s rules. This plan stipulates the following:

A. National Diplomas

- Students have to complete all National Diploma qualifications within five years. This means that they must complete the qualifications no later than 2023, when the offering ends.
- The students who do not manage to obtain the National Diploma in this time

frame will be transferred to an equivalent National Qualification Framework (NQF)-level qualification after 2023. Unisa’s credit exemption rules will apply to such transfers.

- **In 2022, no new students will be allowed to register for the phased out qualifications.**

B. BTech Qualifications

- Students have to complete all BTech qualifications within three years. This means that they must complete the qualifications no later than 2021, when the offering ends.
- The students who do not manage to obtain their

BTech degree in this time frame will be transferred to an equivalent National Qualification Framework (NQF)-level qualification after 2021. Unisa’s credit exemption rules will apply to such transfers.

- **In 2022, no new students will be allowed to register for the phased out qualifications.**

3. The introduction of the new HEQSF aligned qualifications will enable engineering students to further their studies up to doctoral and post-doctoral levels, nationally or internationally.

SHORT LEARNING PROGRAMMES (SLPS)

The purpose of the SLPs is to enhance learning opportunities in the non-formal curriculum, thereby enhancing people’s competencies, without them having to enrol for comprehensive degree qualifications.

SHORT LEARNING PROGRAMMES OFFERED AT CSET:

ADVANCED COURSE

Advanced Short Course in System Engineering: A Hard Systems Perspective (77078)
Advanced Short Course in Systems Engineering: A Soft Systems Perspective (77080)
Advanced Short Learning Course in Sustainability Management (77085)
Advanced Short Learning Course in System Engineering Management (77081)
Advanced Short Learning Course in Value Engineering (77084)

COURSE

Course in C++ Programming (70181)
Course in Computer Networks

(70025)
Course in the Introduction to Java Programming (70602)

PROGRAMME

Programme in Industrial Engineering (76837)

SHORT COURSE

Short Course in Advanced Information Security (76808)
Short Course in Applied Information Security (76809)
Short Course in Applied Project Management in an Information Technology Environment (70467)
Short Course in Database Design (70041)
Short Course in Database Implementation (7554X)
Short Course in Designing and Implementing Telecommunication Networks (70157)
Short Course in Developing Web

Applications with PHP (72095)
Short Course in I-SET Robotics Problem-solving, Data and Debugging (76984)
Short Course in ISET Robotics Components and Pedagogy (76820)
Short Course in Introduction to Information Security (70610)
Short Course in Introduction to Internet and Web Design (70076)
Short Course in Introduction to Visual Basic.Net Programming (70122)
Short Course in Introduction to Visual C#.Net (76804)
Short Course in Strategic Information Systems Planning in Practice (75566)

NB: It is important to note that Short Learning Programmes are by nature curtailed/concise. They are not formal qualifications. No application fee is required when applying for a Short Learning Programme.

NOTICE

TO ALL ENGINEERING STUDENTS

DEAR STUDENTS

In order to assist its students to succeed in their studies, the School of Engineering is moving most of its qualifications to a year module system.

The move to the year system will happen as follows:

- **From year 2024, Engineering modules will be offered as year modules only.** The only modules staying as semester modules are the two modules EUP1501 and ENG1503, as well as some Pulp and Paper modules.
- **Transitional arrangements for continuous assessment modules:** For any one of the modules which are changing to a year module from 2024 where assessment is through continuous assessments, students registered for the module in 2023 Semester 2 will be provided with additional assessment opportunities to assist them to pass the module in Semester 2.
- **Transitional arrangements for modules with written examinations:** For any one of the modules which are changing to a year module from 2024, all students who are due to write an examination in October/November 2023 and do not pass the module will be allowed to write a supplementary examination in January/February 2024. Students who still do not succeed in passing the module will have to reregister for the module as a year module in 2024.

WHICH QUALIFICATIONS ARE AFFECTED?

The following qualifications will be moved to the year module system in 2021 and 2022:

- **Diploma qualifications:** Chemical Engineering, Civil Engineering, Electrical Engineering, Industrial Engineering, Mechanical Engineering, Mining Engineering, Pulp and Paper Technology.
- **Advance diploma qualifications:** Mechanical Engineering, Mining Engineering, Electrical Engineering in Power Engineering, Engineering Technology in Civil Engineering, Electrical Engineering in Telecommunications, Chemical Engineering, Industrial Engineering.
- **Bachelor of Engineering Technology Honours qualifications:** Chemical Engineering, Structural Engineering, Water Engineering, Power Engineering, Electronic Engineering, Industrial Engineering, Mechanical Engineering.

ARE ALL MODULES IN THESE QUALIFICATION GOING TO BE CHANGED TO YEAR MODULES?

All modules will be offered as year modules from 2024, with the exception of the following:

- The modules EUP1501 and ENG1503
- The following modules, offered as part of the Diploma in Pulp and Paper technology: PPS1501, PPT2601, PPT2602, PPT2603, PPT3601.

WHAT IS THE DIFFERENCE BETWEEN SEMESTER MODULES AND YEAR MODULES?

Year modules are offered over a longer time, with the study period from March to October. The content of the modules stays the same but offering them as year modules gives students more time to master the content.

WHY DOES THE SCHOOL OF ENGINEERING WISH TO MOVE TO YEAR MODULES?

Engineering and Science subjects differ from many other disciplines in that mastering content takes time, and full understanding of previous concepts is required before continuing to new topics. Offering the modules as year modules will ensure sufficient time for deep learning and understanding of the necessary abstract concepts, as learning process will be spread over a longer period of time.

WILL IT TAKE LONGER FOR ME TO FINISH MY QUALIFICATION?

No, it is still possible to complete the qualification within the same number of years. The pre- and co-requisites of most modules have been revised in order to ensure that the move to year modules does not disadvantage the students concerned or extend the duration of the qualification.

For more information about the move to year modules and the affected qualifications, please send an email to cset@unisa.ac.za or visit www.unisa.ac.za/cset

Sincerely yours,
**School of Engineering, College of Science, Engineering
and Technology**



ANNOUNCEMENT

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY, SCHOOL OF
ENGINEERING

NOTICE TO ALL NATIONAL DIPLOMA IN ENGINEERING STUDENTS

DEAR STUDENTS,

As previously announced, the National Diplomas qualifications offered by UNISA's School of Engineering (NDEID, NDEMC, NDMIN, NDMSR, NDECI, NDEEN, NDENG and NDPPT) have now been phased out, and the modules which formed part of the qualification were offered for the last time in the academic year of 2023. No students can register for these qualifications in 2024.

Students who did not manage to complete their National Diploma qualification by 2023 are automatically transferred to the corresponding Diploma qualifications. UNISA's credit exemption rules will apply to such transfers. Students should note that although the National Diploma and Diploma qualifications are at the same NQF level, the two qualifications are essentially different and therefore only a limited number of modules can be credited in the Diploma based on completed National Diploma modules.

ADDITIONAL ASSESSMENT OPPORTUNITIES FOR ND STUDENTS

In order to assist students who are close to completion of the National Diplomas, the School of Engineering has put in place the following two additional concessional assessment opportunities.

1. Automatic second/third examination opportunities for 2023 registered students

The following automatic additional assessment opportunities will be made available for 2023 (year, semester 1 or semester 2) registered students.

- For all modules with timetabled examinations where the student wrote an examination in May/June 2023 or Oct/Nov 2023 and did not pass, the student will be automatically given an additional examination opportunity in Jan/Feb 2024. This excludes the





module EUP1501, and the following modules offered by other colleges: FAC1501, ENG1503, BSM1501, BSM1602, MAC1501,

- MAC2602, FMA401V, HRM2605 and MGP437U. The students will be automatically identified for the examinations and notified about the examinations, which will be taking place at the CSET Examinations platform according to the usual examination rules.
- For WIL modules as well as for practical and portfolio modules for which the student was registered in 2023, there will be additional opportunities to submit the work; details will be provided by the module lecturer.

2. Additional final concession opportunities.

In addition to the additional examination opportunities listed in Section 1 above, given to 2023 registered students, students may be eligible for additional assessment opportunities for at most two modules remaining from the National Diploma qualification (not counting the modules in Section 1 above) with which they would be able to complete their National Diploma.

These must be modules for which they have been previously registered. The modules can be modules assessed through examinations or by continuous assessment, or WIL modules. The opportunity excludes practical and project modules not registered for in 2023, and it also excludes the module EUP1501 and the following modules offered by other colleges: FAC1501, ENG1503, BSM1501, BSM1602, MAC1501, MAC2602, FMA401V, HRM2605 and MGP437U.

This additional assessment opportunity will be in the form of a once-off 3 hours invigilated online examination during February/March 2024, or through activities during 2024 for WIL modules.

The following rules apply to the additional concession opportunities:

- The additional opportunity will only be for modules which the student has been previously registered for since 2013. Students cannot be assisted to complete any modules which they have not previously registered for at UNISA.
- This additional opportunity only applies to students registered for one of the National Diplomas (NDEID, NDEMC, NDMIN, NDMSR, NDECI, NDEEN, NDENG, NDPPT) offered by the School of Engineering at UNISA. Students registered for the National Diplomas at other institutions and doing non- degree purpose studies at UNISA are not eligible for the concessions.
- The one or two modules identified for the additional final concession assessment, together with any modules that the student may also be allowed to rewrite as listed in Section 1 above, must be modules outstanding to complete the qualification.

- Students are only offered an opportunity to be assessed for the module. No additional tuition will be made available to the students. The assessment will be based on the 2023 content and outcomes of the modules which will be made available for the identified students.

IMPLEMENTATION OF THE ADDITIONAL ASSESSMENT OPPORTUNITIES FOR ND STUDENTS

The qualifying students will be automatically identified and notified about the additional assessment opportunities, and therefore no action is required from the part of the students.

The criteria for the additional final concession opportunities in Section 2 above will be applied strictly as stated in this document. Beyond these additional assessments, no further assessment opportunities will be offered. Students who fail an automatic second/third examinations opportunity as in section 1 above will not be allowed any other additional assessment opportunity for that module. Please note that this additional assessment process is expected to conclude by April 2024 and after that no further correspondence regarding the National Diplomas in Engineering will be accommodated.

FREQUENTLY ASKED QUESTIONS

● WHY WERE THE NATIONAL DIPLOMAS PHASED OUT?

The phasing out of the old National Diploma qualifications was in accordance with the new Higher Education Qualifications Framework. The NDs are not aligned to the new framework, and accordingly were phased out, not just at UNISA but all across South Africa. According to the teach-out plans of the National Diplomas, as agreed to with the Department of Higher Education, the last time that the registrations were allowed for modules which form part of the qualification was in 2023.

● WHY CAN UNISA NOT ALLOW STUDENTS TO COMPLETE THE NATIONAL DIPLOMAS?

UNISA is no longer allowed to offer the National Diplomas as they will no longer be accredited.

● HOW MUCH TIME WERE STUDENTS GIVEN TO COMPLETE THE NATIONAL DIPLOMA?

The last time that students were allowed to register for these qualifications was in 2019. The National Diplomas are 3-year qualifications. Department of Higher Education gave Unisa permission to offer its Engineering National Diplomas until end of 2023. Therefore, the last cohort of students were given 5 years.

- **WHY CAN I NOT GET CREDIT FOR ALL MY ND MODULES IN THE NEW DIPLOMA?**

It is vital to emphasise that even though these qualifications are on the same NQF level, their outcomes are different and, as such, they are assessed differently. Although the content of some modules may be similar, the module assessment and outcomes are different.

- **I HAVE ONE MODULE LEFT IN MY ND WHICH I HAVE NOT REGISTERED FOR, CAN I BE ASSISTED?**

The National Diploma modules no longer exist, and therefore no student can be registered for ND modules anymore; and according to UNISA rules students can only be assess modules they have been registered for. So unfortunately, nothing can be done for students for modules not previously registered for.

- **WHY IS THE ADDITIONAL CONCESSION OPPORTUNITY LIMITED TO TWO MODULES ONLY?**

This is in line with the UNISA final year concession policy which limits concessions to two modules. However, the concession here goes beyond the UNISA FI concessions since School of Engineering extends the opportunity to modules from previous years.



If you have any queries about the additional assessment opportunities for the National Diplomas, please submit your query on the following web form. The web form will be open until 12th February 2024 <https://bit.ly/3luq4PF>

FOR MORE INFORMATION ABOUT SHORT LEARNING PROGRAMMES

You can direct your enquiries to:

✉ ucl@unisa.ac.za

For SLPs in Computer Science, Information Systems and Information Technology, you can contact:

Centre for Software Engineering (CENSE)

📞 (011) 670 9139 / 9189

✉ cense@unisa.ac.za | cense1@unisa.ac.za

🌐 <http://cs-cert.unisa.ac.za>

For SLPs in Advance Courses, you can contact:

👤 Ms N Nkambule. Department of Mechanical and Industrial GJ Gerwel Building

📞 0618541210

✉ nkambule@unisa.ac.za

YOU CAN CONTACT THE COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY (CSET) AT:

✉ cset@unisa.ac.za

🌐 www.unisa.ac.za/cset

📞 (011) 670 9228/9063

PHYSICAL ADDRESS

📍 NB Pitsoana Building, 1st Floor, Office A01-029
Cnr Christiaan de Wet and Pioneer Avenue
UNISA Science Campus
Florida

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