CAREER INFORMATION 2026

DIPLOMA IN ANALYTICAL CHEMISTRY

DUT DURBAN UNIVERSITY OF TECHNOLOGY INYUVESI YASETHEKWINI YEZOBUCHWEPHESHE

FACULTY OF APPLIED SCIENCES

DEPARTMENT OF CHEMISTRY

01 JAN - 31DEC 2026

Diploma in Analytical Chemistry

NQF Level: 6
SAQA ID: 98010

Qualification Code: DIACH1

Location: Steve Biko Campus (S10, Level 3)

Description of the Programme

The Diploma in Analytical Chemistry represents a level of qualification that recognizes specialized knowledge, skills and understanding designed to meet the needs of various chemical industries. Graduates of the diploma would be able to display competence in the application of knowledge in a broad range of varied work activities associated with a career in the Chemical and Allied Industries involving detergents, petroleum, plastics, food, pharmaceuticals, mining, water treatment, metallurgy and, in addition, educational institutions may employ graduates from this course.

Graduates are required for specific practical applications such as quality control and testing or theoretical fields such as research and development. Quality control and assurance is an especially important field where industries need to verify their standards of operation and quality of manufactured materials.

This course is designed to meet the human resource needs of the chemical and allied industries and tertiary educational institutions, by providing nationally and internationally recognized tertiary education and training to students. Students who are successful in the programme may progress to the Advanced Diploma in Analytical Chemistry followed by the Postgraduate Diploma in Analytical Chemistry/Honours in order to gain access to postgraduate study towards a Masters or Doctoral qualification.

Apart from the formal course and practical work at DUT's Chemistry laboratories, the course also includes a nine month Work Integrated Learning (WIL) component in an industrial setting where skills and knowledge acquired at the university are integrated and applied under real-life working conditions.

Career opportunities

There is therefore a growing demand for graduates in this field. Industries are supportive of the furthering education of graduates and hence opportunities exist for graduates to pursue further educational qualifications. Graduates may also apply for associate membership of South African Chemical Institute (SACI). SACI is associated with the South African Council for Natural Scientific Professions (SACNASP). The following link refers: http://www.sacnasp.org.za/about-us/voluntary-associations.html

Explanation of Points scale:

SENIOR CERTIFICATE (SC)		
SYMBOL	HIGHER GRADE	STANDARD GRADE
A	8	6
B	7	5
C	6	4
D	5	3
E	4	2
F	3	1

NATIONAL SENIOR CERTIFICATE (NSC)		
%	LEVEL	POINTS
90-100	7	8
80-89%	7	7
70-79%	6	6
60-69%	5	5
50-59%	4	4
40-49%	3	3
30-39%	2	2
20-29%	1	1

MINIMUM ADMISSION REQUIREMENTS

GENERAL ADMISSION REQUIREMENTS

A person will only be considered for registration for an instructional programme approved by the Institution's Senate if the person complies with:

(a) The minimum admission requirements stated in DUT general handbook (refer to DUT website for general handbook).

(b) Institutional faculty, departmental and/or instructional programme specific rules; and

MINIMUM ADMISSION REQUIREMENTS IN TERMS OF THE HIGHER EDUCATION QUALIFICATIONS SUB-FRAMEWORK (HEQSF)

G7 rule: For Diploma:
"a National Senior Certificate (NSC) as certified by the Council for General and Further Education and Training (Umalusi), with a minimum of achievement rating of 3 for English and a minimum achievement rating of 3 in four recognised NSC 20-credit subjects."

Entry Requirements (Diploma in Analytical Chemistry)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009)		SENIOR CERTIFICATE (SC) (PRE 2009)			NATIONAL CERTIFICATE VOCATIONAL (NCV)	
NSC DIPLOMA ENTRY		SENIOR CERTIFICATE (SC)			(NCV) LEVEL 4	
Compulsory Subjects	**NSC Rating Code**	**Compulsory Subjects**	**HG**	**SG**	**Compulsory Subjects** (With statutory requirements for a diploma)	**Mark**
English	4	English	D	B	English	50%
Mathematics	4	Mathematics	D	B	Mathematics	60%
Physical Science	3	Physical Science	E	C	Physical Science	50%
In addition: **TWO** recognized NSC 20 credit subject as per G7 rule (As stated above)	3					

Please Note:
If there are more applications than there are vacancies, then applicants will be ranked and selected based on their academic achievement in Physical Science, Mathematics.

OR

Admission Requirement based upon Work Experience, Age and Maturity

For admission to entry level diploma and certificate studies:
A person may, subject to such requirements as the Senate may determine, be admitted to the Institution even if such a person is not in a possession of a National Senior Certificate, Senior Certificate, or an equivalent certificate, provided that:

(a) The person shall have reached the age of 23 in the first year of registration and shall have atleast:

- three years' appropriate work experience; and/or
- capacity for the proposed instructional programme, which shall be assessed at the discretion of the respective Head of Department by a Senate approved admission assessment comprising of a DUT Standardised Assessment Test for Access and Placement (SATAP), Academic Literacies (AI) & English for Academic Purposes (EAP) and/or an appropriate subject or programme specific written assessment designed and marked by the relevant Department; and

(b) The relevant Faculty Board shall be satisfied that the person's standard of communication skills, ability to study successfully and/or work experience are such that the person, in the opinion of the relevant Faculty Board, should be able to complete the proposed instructional programme successfully. If required, the communication skills and study skills should be tested; and

(c) The person's application for admission in terms of work experience, age and maturity is approved prior to registration. **Applicants intending to gain admission through work experience, age and maturity must submit their applications at least four months before commencement of the academic year inclusive of the date of scheduling writing a requisite eligibility assessment.**

Tuition Fees

To assist you with your planning, the **2025** fees have been indicated. An increase for next year to accommodate the inflation rate can be expected.

Please Note: DUT cannot be held liable for the fees in this brochure as the **2026** fees are not yet final.

First Year Curriculum				
Name of the Module	**Subject Code**	**HEQSF Level**	**SAQA Credits**	**2025 Fees**
Semester One				
General and Inorganic Chemistry	GINC101	5	16	R8270.00
Mathematics I	MTHC101	5	16	R5260.00
Physics I	PHIC101	5	16	R5260.00
Cornerstone 101	CSTN101	5	12	R3910.00
Computer Skills1	CPUS101	5	8	R3760.00
Total				**R26460.00**
Semester Two				
Organic and Physical Chemistry	OPCH101	5	16	R8270.00
Analytical Chemistry I	ANCH101	6	20	R9760.00
Communication Skills	CCNS101	5	8	R3760.00
Select Two of the Module (Electives (IGE) from the List Below:				
Introduction to Technopreneurship **OR**	ITCH101	5	8	R2270.00
Cultural Diversity **OR**	CLDV101			R2430.00
Values in the Workplace **OR**	VWKP101			R2600.00
Sustainable Earth Studies	SERS101			R2450.00
Total				**R31540.00**
TOTAL CREDITS SEMESTER 1&2			**128**	
Second Year Curriculum				
Semester One				
Analytical Chemistry II	ANCH201	6	24	R3070.00
Applied Inorganic Chemistry	APIC101	6	12	R6010.00
Applied Organic Chemistry	APOC101	6	12	R6010.00
Applied Physical Chemistry	APPC101	6	12	R6010.00
Select One of the Module (Electives (IGE) from the List Below:				
Leadership **OR**	LDSH101	5	8	R2430.00
Constitutional Law & Human Rights	CLHR101			
Total				**R23530.00**
Semester Two				
Analytical Chemistry III: Chromatography	ACCH301	6	12	R6010.00
Analytical Chemistry III: Atomic Spectroscopy	ACAS301	6	12	R6010.00
Analytical Chemistry III: Molecular Spectroscopy	ACMS301	6	12	R6010.00
Analytical Chemistry III: Electroanalytical Chemistry	ACEC301	6	12	R6010.00
Chemical Quality Assurance	CQLA101	6	16	R5260.00
Total				**R29300.00**
TOTAL CREDITS SEMESTER 1&2			**132**	
Third Year Curriculum				
Semester One				
Experiential Learning, I	EXLN101	6	12	R3010.00
Chemistry Project I	CHPJ101	6	36	R4500.00
Community Engagement and Development	ASCE101	6	12	R3900.00
Total				**R11410.00**
Semester Two				
Experiential Learning II	EXLN201	6	48	R3760.00
Chemistry Project II	CHPJ201	6	12	R3010.00
Total				**R6770.00**
TOTAL CREDITS SEMESTER 1&2			**120**	

Application

Applicants who wish to enrol for the programme must apply through the CAO system by no later than 30 September of the previous year.

For CAO Application visit: http://www.cao.ac.za

CAO Contact Details

Private Bag X06
Dalbridge
4014
Tel: (031) 2684444
Fax: (031) 2684422

CAO Code: **DU-D-CH3**

Closing Date for applications: 30 September 2025

For Further Information

Contact the Department of Chemistry:
Steve Biko Campus (S10, Level 3)
Durban University of Technology
P O Box 1334
DURBAN 4000

Tel: (031) 373 2300
Fax: 086 674 0605/8

Email: karenf@dut.ac.za

Financial Aid

For Financial Aid application for a DUT programme please apply online at www.nsfas.org.za or call the NSFAS call centre on 0860 067 327.

For an explanation on how to fill out the application form, please go towww.nsfas.org.za or contact the call centre on the number above.

Please note that completing a form does not guarantee Financial Aid. For further assistance, please consult the Department of Financial Aid and Scholarships on (031)373 2931/2557/2054.