



CAREER INFORMATION 2022

HIGHER CERTIFICATE IN APPLIED SCIENCES



01 JAN - 31 DEC 2022



Higher Certificate in Applied Sciences

NQF Level: 5

SAQA ID: 117922

Qualification Code: HCIASI

Location: Steve Biko Campus (S 3 LI, S Blocks)

Description of the Programme

The Higher Certificate Applied Sciences is a 128 credit, NQF Level 5 qualification designed to address shortcomings in performance in Mathematics and Physical Science at high school. Applicants to the Faculties of Engineering and the Built Environment, and Applied Sciences, who meet all of the admission requirements except Mathematics and Physical Science will be considered for admission to the HC. The programme offers modules in Mathematics, Physics and Statistics designed to address a lack of proficiency in Mathematics and Physical Science while simultaneously exploring elective modules in Engineering and the Built Environment and in Applied Sciences.

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 |

Entry Requirements (Higher Certificate in Applied Sciences)

| NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009) | | SENIOR CERTIFICATE (SC) (PRE 2009) | | | NATIONAL CERTIFICATE VOCATIONAL (NCV) (NCV) LEVEL 4 | |
|---|-----------------|--|----|----|--|------|
| NSC HIGHER CERTIFICATE ENTRY with 24 points or more (excluding Life Orientation) will be considered | | SENIOR CERTIFICATE (SC) with 24 or more points will be considered. | | | | |
| Compulsory Subjects | NSC Rating Code | Compulsory Subjects | HG | SG | NCV level 4 with statutory requirements for a diploma entrance with the following subjects: | Mark |
| English | 4 | English | E | D | English | 50% |
| Mathematics | 3 | Mathematics | E | D | Mathematics | 50% |
| Physical Science | 3 | Physical Science | E | D | Physical Science | 50% |

Areas of Specialization

Science, Technology, Engineering & Mathematics

Duration

This programme is offered on a one-year full time basis.

Tuition Fees

To assist you with your planning, the **2021** fees have been indicated.

Please Note: DUT cannot be held liable for the fees in this brochure as the **2022** fees are not yet final.

NB: For this Programme there will be a single registration for semester 1 and semester 2 at the beginning of each academic year.

| First Year Curriculum | | | | |
|---|--------------|-------------|--------------|------------------|
| Name of the Module | Subject Code | HEQSF Level | SAQA Credits | 2021 Fees |
| Semester One | | | | |
| Mathematics A | MTTA101 | 5 | 16 | R4010.00 |
| Physics A | PSSA101 | 5 | 16 | R4010.00 |
| Introduction to Statistics | ISTS101 | 5 | 12 | R3260.00 |
| Elementary Didactics for Tutoring | EDDT101 | 5 | 8 | R2500.00 |
| Cornerstone 101 | CSTN102 | | 12 | R3260.00 |
| Total Credits | | | 64 | |
| TOTAL | | | | R17040.00 |
| Semester Two | | | | |
| Mathematics B | MTTB102 | 5 | 16 | R3350.00 |
| Physics B | PSSB102 | 5 | 16 | R3350.00 |
| Communications for Science | COSC101 | 5 | 8 | R2500.00 |
| Total Credits | | | 40 | |
| TOTAL | | | | R9200.00 |
| Option 1: | | | | |
| Statistics for Applied Science | STAS102 | 5 | 12 | R3180.00 |
| Chemistry | CHEM102 | 5 | 12 | R5120.00 |
| Total Credits | | | 24 | |
| TOTAL | | | | R8300.0 |
| Or Option 2: | | | | |
| Introduction to Engineering and the Built Environment | IEBE102 | 5 | 12 | R3000.00 |
| Computer Aided Drawing and Design | CADD102 | 5 | 12 | R2990.00 |
| Total Credits | | | 24 | |
| TOTAL | | | | R5990.00 |
| Or Option 3: | | | | |
| Introduction to Shipboard Operations | ISOP102 | 5 | 12 | R3000.00 |
| Navigation – Electronic Navigation Systems | NENS102 | 5 | 12 | R2000.00 |
| Total Credits | | | 24 | |
| TOTAL | | | | R5000.00 |

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.

Applications Forms

Contact the Central Applications Office (CAO)

Address letters to:

Central Applications Office
Private Bag X06
Dalbridge
4014

Tel: (031) 268 4444

Fax: (031)268 4422

OR

Apply online: <http://www.cao.ac.za>

CAO codes: DUDHAS

Closing Date for Application: 30 September 2021

For Further Information

Department of Mathematics

Steve Biko Campus (S 3 LI, S Blocks)

Steve Biko Road

Contacts:

Darren Lortan (HoD) 031 373 2297

Diana Day (Secretary) 031 373 2075

Email address: – HCApSci@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 to www.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.

This leaflet is for information purposes only and is not binding on the Durban University of Technology.