

2026/2027

MOPANI TVET COLLEGE PROSPECTUS

GLOSSARY

APS	Admission Point Score
AST	Academic Support Technologies
BMS	Business Management System
Cos	Centre of Specialisation
DHET	Department of Higher Education and Training
NQF	National Qualification Framework
NC	National Certificate
NC(V)	National Certificate (Vocational)
NSC	National Senior Certificate
NSFAS	National Student Financial Aid Scheme
PLP	Pre-Vocational Learning Programme
QCTO	Quality Council for Trades and Occupational Programmes
SASSA	South African Social Security Agency
SAQA	South African Qualification Authority
SETA	Sector Education and Training Authority
SRC	Student Representative Council
SSS	Student Support Services
TVET	Technical Vocational Education and Training
Umalusi	Quality Assurance Body for the General and Further Education and Training Sectors in South Africa

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3. Occupational Certificate: Bookkeeper
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MOŠATE HOTEL SCHOOL

1. Occupational Certificate: Chef
2. Occupational Certificate: Cook

HOEDSPRUIT SATELLITE CENTRE

1. Occupational Certificate: Chef
2. Occupational Certificate: Cook

SIR VAL DUNCAN CAMPUS

A. Pre-vocational Learning Programme (PLP)

B. NC (V) Programmes

1. Civil Engineering and Construction
2. Electrical Infrastructure Construction
3. Engineering and Related Design
4. Information Technology and Computer Science
5. Information Technology and Computer Science (Programming and Robotics)

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1. Electrical Engineering
2. Mechanical Engineering
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D. Occupational Programmes

1. Occupational Certificate: Bricklayer
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3. Occupational Certificate: Fitter and Turner
4. Occupational Certificate: Pipe Fitter
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9. Occupational Certificate: Solar Photovoltaic Standalone Installer
10. Occupational Certificate: Carpenter

WELCOME TO MOPANI TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING COLLEGE

INTRODUCTION

Mopani TVET College encompasses two main campuses—Sir Val Duncan Campus and Phalaborwa Campus—alongside two satellite sites: Mošate Hotel School and the Hoedspruit Centre. The Phalaborwa Campus and Mošate Hotel School are located in Phalaborwa Town, whereas the Hoedspruit Satellite Centre is located in Hoedspruit Town within the jurisdiction of Maruleng Municipality. The Sir Val Duncan Campus is situated in Namakgale Township.

The College offers a comprehensive array of qualifications, including the National Certificate (Vocational) [NC(V)], NATED/Report 191, Occupational Programmes, and Centre of Specialisation (CoS) Programmes. These educational offerings are strategically designed to address the prevailing economic demands and critical skills shortages within the Ba-Phalaborwa Municipality, Maruleng Municipality, and the wider South African economy.

Mopani TVET College plays a pivotal role in skills development through its focus on engineering disciplines, thereby contributing substantively to workforce capacity in the mining, agriculture, and construction sectors. Furthermore, this college offers programmes in business and tourism, tailored to meet the specific requirements of the tourism, public, and commercial sectors.

To augment student employability and ensure preparedness for the labour market, the College actively collaborates with Sector Education and Training Authorities (SETAs) to facilitate experiential learning and in-service training for both NC(V) and NATED students. This strategic partnership underscores the institution's commitment to producing proficient, work-ready graduates equipped to satisfy industry standards and align with national development imperatives.

PHALABORWA CAMPUS

The campus is located at the intersection of Combretum and Haarlem Street in Phalaborwa Town. It offers National Certificate (Vocational) and NATED/Report 191 programmes specializing in Business Studies. Its satellite sites, namely Mošate Hotel School and Hoedspruit Satellite Centre, are located in Phalaborwa Town and Hoedspruit Town, respectively, providing occupational programmes within the hospitality sector.

SIR VAL DUNCAN CAMPUS

The campus is located at the corner of Tambo and Calvin Ngobeni Streets in Namakgale Township. It offers National Certificate (Vocational), NATED/Report 191, and occupational programmes across various engineering disciplines. In addition, the campus hosts a Centre of Specialisation in Diesel Mechanics and Pipe Fitting and serves as an accredited trade testing centre for multiple engineering trades.

Vision

To be a Technical and Vocational Education and Training institution of excellence and choice.

Mission

To provide quality education and training, producing competent individuals in response to the economic needs of the country.

Values

- Leadership
- Excellence
- Ubuntu
- Teamwork

- Discipline
- Commitment
- Passion
- Integrity
- Innovative

STUDENT SUPPORT SERVICES

The College prioritizes the well-being of its students and consequently provides a comprehensive range of services designed to support and assist students in their pursuit of academic and civic success. Additionally, the institution implements academic intervention programmes intended to enhance student throughput and certification rates. The services offered by the campuses are systematically organized into three phases: pre-entry, on-course, and exit support.

PRE-ENTRY SUPPORT

Financial Aid Bursaries

The Department of Higher Education and Training (DHET) provides funding to the college for bursary allocations with an intention of assisting qualifying students. Bursaries are offered to students enrolled at the College for National Certificate (Vocational), Report 191 Programmes and Ministerial funded Occupational Programmes. The College provides the following financial assistance:

- **National Students Financial Aid Scheme (NSFAS)** which is funded by DHET but administered by NSFAS. This bursary covers tuition fees and allowances which include (Personal care, living, travelling or accommodation).

- **Merit Bursary.** This bursary is offered by the college, and it is granted in accordance with set performance criteria designed for students who performed well in their studies. It covers tuition fees only. This bursary caters for students who are not funded by any bursary.

Please note: NSFAS beneficiaries do not qualify for a Merit Bursary.

- **SRC Allowance.** This bursary is for students who are elected to the students' leadership and covers tuition fees only.
- **Other Bursaries.** These are bursaries offered to qualifying students by SETAs, industries or other private institutions.

Note: All bursaries require 80% class attendance as stated in the DHET Students attendance and punctuality policy as amended.

Career Guidance

Both campuses provide career guidance services designed to assist students in making informed career decisions based on their personality, interests, aptitudes, and abilities. Prospective NC(V) students are required to complete an online career guidance and pre-enrolment assessment (Learner Profiler), prior to submitting their online applications.

Orientation and Induction

The college has a well-planned orientation and induction programme which aims to offer students an opportunity to explore the campuses, meet their lecturers and get all the information they need to start their academic year on the right foot. It also enables students to make a transition from their previous experience to TVET College.

ON-COURSE SUPPORT

The College offers the following academic support programmes:

- Personal Support (counselling and referrals, life skills)
- Peer Tutoring

- Extra Classes - Lecturer-based instruction
- Academic Support Technologies (AST) systems for fundamentals programmes.
- Moodle Learning Management System

Extra-Mural Activities

In an endeavour to ensure development of students holistically, the college provides students with opportunities to participate in various sporting codes and cultural activities. These include soccer, netball, volleyball, softball, rugby, chess, pool, table tennis, drama, choral music, athletics, pencil & brush painting, beauty pageant and other cultural activities. Facilities are available at Phalaborwa and Sir Val Duncan campuses.

Students Representative Council (SRC)

The Students Representative Council is the highest decision-making structure of the student governance, entrusted with specific matters by their constituency and college management. It represents students from both campuses and their overall interests and social well-being.

The student leadership is elected annually by the students and consists of 7 members per campus. Their duties, functions, privileges and term of office are set out in the SRC constitution approved by The College Council. The SRC is a very important stakeholder within the college.

Through SRC, students are represented in the following committees: Bursary, Academic Board and College Council. Students are encouraged to participate in the election processes. Nomination forms are available at the Student Support Service offices in both campuses.

Health and Wellness Support

The College has qualified social workers, health and safety officers, and professional nurses across both campuses to address a variety of student-related concerns, including interpersonal issues, HIV/AIDS, pregnancies, trauma counselling, substance abuse, and other health-related matters. The college actively participates in the Higher Health

Programme, which develops and supports HIV mitigation initiatives at public universities and TVET Colleges. Furthermore, a peer health programme has been established in collaboration with life orientation lecturers to effectively promote and encourage healthy lifestyles among students. Additionally, the College organizes various campaigns aimed at raising awareness of health and mental wellness issues.

Students with special education needs

Both campuses have disability support desks dedicated to assisting students with various disabilities. Comprehensive support is provided from pre-entry through to exit stages. Students experiencing challenges are encouraged to consult the student support services coordinator at their respective campus for appropriate support and intervention measures.

Note: College does not enrol blind or deaf students, instead referring them to alternative institutions better equipped to meet their needs.

ALUMNI SUPPORT

Mopani TVET College offers programmes that are aligned with industry and community needs, thereby enhancing the employability of its graduates. Upon successful completion of their studies, students receive support related to workplace exposure through the following initiatives:

- (1) Placement of students for experiential learning across various work environments.
- (2) An Entrepreneurship Programme, which includes seminars designed to assist students aspiring to pursue self-employment upon graduation.

The partnership and linkages office collaborates closely with the career guidance officer, lecturers, and academic officers to ensure that students are engaged in workplace learning opportunities during academic recess periods and are monitored through the Work-Based Exposure (WBE) programme. Students are also advised and encouraged to identify potential placement sites within their home communities for experiential learning during college holidays.

ADMISSION APPLICATION PROCESS

The College utilizes an online application and registration system for new student enrolment. Applicants are advised to use internet cafés or personal smartphones to submit their applications electronically. Applicants must visit the College's official website (www.mopanicollege.edu.za) and click on the application link to begin the process.

Applicants are required to complete the application forms in full and upload all necessary supporting documents, such as recent academic results and identity documents, in PDF format. After submission, applicants must confirm their registration within the specified registration period. Successful applicants will be informed via the Coltech Portal, email, and SMS. It is the student's responsibility to formally accept the provisional admission offer through the Coltech Portal once acceptance has been granted.

Note: Certified documents MUST be submitted during each registration cycle by successful applicants.

Application dates are available on the college's website for each registration cycle.

NATIONAL STUDENT FINANCIAL AID SCHEME BURSARY APPLICATION PROCESS

NSFAS provides financial assistance/aid to students who intend to enrol at the college. It is advisable for applicants to go to an internet café or use their smartphones to apply online. The College's computer labs can also be used to apply.

For application visit: www.nsfas.org.za.

ATTACHMENTS * Note that the following document will be required. Please attach certified copies of the following documents:

- (All certified copies must not be older than 3 months) your documents can be certified at South African Police Service or the South African Post Office. If you

are under the age of 18 or if you are 18 and older and are STILL DEPENDENT on the household income of your parent or legal guardian, then this also applies to you.

- Certified copy of your Identity Document. If you are younger than 16 years of age, and do not have a green bar-coded ID or smart ID card, you must submit a certified copy of your unabridged birth certificate.
- Certified copy of Identity Document of each household member including parents or legal guardian.
- Certified copy of your latest academic transcript or exam results. If you are currently in Grade 12, you do not need to submit this.
- If you have been exempted from paying school fees, please provide a letter from the school informing NSFAS that you have been exempted.
- Certified or official copy of recent payslip, letter of employment, not older than three months for each parent, or the person who supports you, or your guardian or yourself if you are employed. This is for all types of employment or all forms of income for all members of the household. This includes any income received from SASSA grants, Unemployment Insurance Fund (UIF), or any pension grant, disability or other benefits paid as a lump sum or in monthly payments.
- If your parents or the person who supports you or your legal guardians are retired, please provide a copy of an official pension slip or bank statement showing pension payment.
- If either of your parents is deceased, please provide a certified copy of the death certificate.
- If your parents are divorced, please provide a certified copy of the divorce decree.
- If either of your parents does not live at home, please provide an affidavit explaining the reasons.
- If you have indicated that a dependent in your household is a student, please provide proof of registration or acceptance at TVET College or University for each dependent.
- A certified copy of the applicant's Identity Document (ID) or birth certificate.

- Certified copies of the ID documents of parent(s), legal guardian, or spouse, where applicable.
- For applicants with a smart ID card, both the front and back sides of the card must be submitted.
- Proof of income for all relevant household members, where applicable.
- Applicants living with a disability must complete and submit the Disability Annexure A Form.
- Applicants recognized as vulnerable children by the Department of Social Development (DSD) must provide a completed Vulnerable Child Declaration Form, signed and stamped by a registered social worker.
- Applicants without family member details and/or in possession of an abridged birth certificate must complete the Declaration: Non-SASSA Form.

Note: The NSFAS online application system will automatically generate a list of required documents based on the applicant's declared circumstances. It is important to note that affidavits and driver's licences are not accepted as valid proof of identity. The criteria outlined in the aforementioned documents are subject to revision, therefore, it is advisable to consult the most recent version of the NSFAS Policy.

If you have a disability, please visit the Student Support Service Officer (Social Worker) for interventions and support.

REGISTRATION FEE

Registration requirements vary across Programmes. The registration fee is applicable exclusively to students enrolled in **Online** learning programmes, e.g., Edu-Distance.

Please note: NSFAS beneficiaries are exempted from paying registration fee.

TUITION FEES

The administration, registration, and examination fees are determined by the specific qualification for which a student intends to register. The tuition fee for full-time students includes the cost of prescribed e-books.

QUALIFICATIONS OFFERED BY THE COLLEGE

NATIONAL CERTIFICATE (VOCATIONAL) NC(V)

The National Certificate (Vocational) is a skills-focus qualification aimed at addressing high skills demand in the country. It is a three-year course designed to provide both theory and practice/skills to the student. It also provides students with the opportunity to experience workplace situations during study. The practical component of study is offered in a real place environment or in a simulated workplace environment. NC(V) programmes are offered in Engineering and Business Studies.

NATED/ REPORT 191

The College also offers Report 191 programmes both in Engineering and Business Studies. These programmes also offer workplace experience for students in both Engineering and Business studies.

Note: The Report 191 Business Studies N4 is being phased out and, consequently, will not be offered to new students in 2026. The N4 programme will be available exclusively to students who are repeating modules during this transition period. Below is the phase out schedule:

NATED REPORT 191: BUSINESS AND SERVICES STUDIES	First Opportunity	Repeating Opportunity	Last Date of National Examination
N4	-	Semester 1, 2026	Semester 1, 2027
N5	Semester 2, 2027	Semester 1, 2028	Semester 1, 2028
N6	Semester 2, 2028	Semester 1, 2029	Semester 1, 2029

NATED REPORT 191: ENGINEERING STUDIES	First Opportunity	Repeating Opportunity	Last Date of National Examination
N4	Trimester 1, 2026	Trimester 2, 2026	Trimester 3, 2026
N5	Trimester 1, 2027	Trimester 2, 2027	Trimester 2, 2027
N6	Trimester 3, 2027	Trimester 1, 2028	Trimester 1, 2028

OCCUPATIONAL PROGRAMMES

The occupational programmes are the new qualifications that are phased-in to replace Report 191 programmes. The Occupational programmes implement a dual approach of training in which the students are required to be trained in collaboration with both the training provider and the relevant industry partner. The students will alternate the training between the training provider and the industry partner. The core components of the occupational programmes are divided as follows: theory, practical components delivered at the college and the workplace modules which are conducted at prospective industry partners.

PHALABORWA CAMPUS

A. National Certificate Vocational Programmes

Admission Requirements

A Pre-Vocational Learning Programme (PLP) certificate with a 50% pass in English and Life Orientation. A 60% pass in Mathematics and Fundamental Science; or a Grade 9 statement with 50% pass in Mathematics/Mathematical Literacy and English/FAL; or a AET Grade 9 statement with 50% pass in English FAL or a AET L4 (GETC) with a 50% in English FAL; or an Equivalent Occupational Qualification or RPL Assessment Programme; or an APS score of 24. Using the best of the Grade 9 subjects plus English.

Enrolment Schedule

January

Duration

3 years (a full year programme on each of the NQF Level of study)

	LEVEL 2 SUBJECTS	LEVEL 3 SUBJECTS	LEVEL 4 SUBJECTS
Fundamental Subjects (Compulsory for all programmes)	English Life Orientation Mathematical Literacy	English Life Orientation Mathematical Literacy	English Life Orientation Mathematical Literacy
1. Finance, Economics and Accounting	Applied Accounting	Applied Accounting	Applied Accounting+ Pastel
	Financial Management	Financial Management	Financial Management
	Economic Environment	Economic Environment	Economic Environment
	New Venture Creation	New Venture Creation	New Venture Creation

2.Hospitality	Hospitality Generics	Hospitality Generics	Hospitality Generics
	Food Preparation	Food Preparation	Food Preparation
	Client Service and Human Relations	Client Service and Human Relations	Client Service and Human Relations
	Hospitality Services	Hospitality Services	Hospitality Services
3. Management	Management Practice	Management Practice	Management Practice
	Operations Management	Operations Management	Operations Management
	Financial Management	Financial Management	Financial Management
	Entrepreneurship	Project Management	Project Management
4. Office Administration	Business Practice	Business Practice	Business Practice
	Office Practice	Office Practice	Office Practice
	Office Data Processing	Office Data Processing	Office Data Processing
	New Venture Creation	New Venture Creation	New Venture Creation
5. Tourism	Science of Tourism	Science of Tourism	Science of Tourism
	Client Service and Human Relations	Client Service and Human Relations	Client Service and Human Relations
	Sustainable Tourism in SA/ Regional Travel/International Travel	Sustainable Tourism in SA/ Regional Travel/International Travel	Sustainable Tourism in SA/ Regional Travel/International Travel
	Tourism Operations	Tourism Operations	Tourism Operations

LEARNING OUTCOMES AND POSSIBLE EMPLOYMENT OPPORTUNITIES

1. FINANCE, ECONOMICS AND ACCOUNTING

Learning Outcomes

Upon completion of the programme, students in this field will possess the skills to perform bookkeeping functions, maintain records of wages, salaries, petty cash, and value-added tax (VAT), prepare financial statements, and effectively manage budgets.

Career Opportunities

This qualification will enable students to pursue career opportunities across various sectors, including positions such as bookkeeper, payroll administrator, and finance clerk, among others.

2. HOSPITALITY

Learning Outcomes

Upon completion of the programme, students in this field will be equipped to perform a range of functions within the hospitality and tourism industry, including housekeeping, food and beverage management, hotel management, accommodation services, function catering, and events management.

Career Opportunities

This qualification will equip students with the competencies to pursue career opportunities across various sectors, including positions such as housekeeper, food and beverage manager, hotel manager, and catering and events manager, among others.

3. MANAGEMENT

Learning outcomes

Upon completion of the programme, students in this field will be able to perform functions related to communication management, enhance productivity within institutions or organisations, and contribute to change management and organisational transformation initiatives.

Career Opportunities

This qualification will enable students to pursue career opportunities across diverse sectors in roles such as operations clerk, finance clerk, business administrator, and office administrator, among others.

4. OFFICE ADMINISTRATION

Learning Outcomes

Upon completion of the programme, students in this field will be equipped with the skills to coordinate office correspondence; prepare letters, reports, memoranda, agendas, and minutes; manage office equipment and stationery supplies; perform reception duties; organise meetings; and operate various office equipment effectively.

Career Opportunities

This qualification will equip students to pursue career opportunities across various sectors in roles such as administrator, receptionist, secretary, freight forwarder, and data capture, among others.

5. TOURISM

Learning Outcomes

Upon completion of the programme, students will be equipped to establish and manage a tourism business, work in hotels or other travel-related establishments, serve as tour guides, and perform front desk operations in guest houses or hotels.

Career Opportunities

This qualification will enable students to pursue career opportunities across various sectors as events planners, front office officers, receptionists, tourism officers, or through self-employment, including roles in hotels, casinos, tourism businesses, or office settings.

B. NATED PROGRAMMES (National Certificate) N5-N6

- Business Management
- Financial Management
- Human Resource Management
- Management Assistant
- Public Management
- Tourism

ADDED ADMISSION REQUIREMENTS

A National Certificate Vocational (NCV) Level 4 or National Senior Certificate (NSC / Grade 12).

PROGRAMME	ADMISSION SUBJECTS REQUIREMENT	APS	ADDED SUBJECTS ADVANTAGES	ADDED ADVANTAGE APS
Tourism Management	English 40%	24	40% English plus 55% in Tourism, plus three next subjects in National Senior Certificate.	32
Business Management	English 40%	25	40% in English and 41% in Accounting/Mathematics/Mathematical Literacy / Economics / Business Studies plus the two next subject National Senior Certificate	26
Human Resource Management	English 50%	24	57% in English, plus the four next best subjects in the National Senior Certificate.	34

Financial Management	English 50%	24	57% in English, 55% in Accounting / Mathematics / Business Studies / Economics, plus three next subjects in the National Senior Certificate.	34
Management Assistant	English 50%	24	57% in English, plus the four next best subjects in the National Senior Certificate.	29
Public Management	English 50%	24	57% in English and 55% in Computer Applications Technology, plus the three next subjects in the National Senior Certificate.	39

Enrolment Schedule

January and July

Duration

3 years which comprises of 18 months theory and 18 months In-service training (Practical).

NATIONAL CERTIFICATE: BUSINESS MANAGEMENT

Programme of Study

N4	N5	N6
Computer Practice	Computer Practice	Computer Practice
Entrepreneurship	Entrepreneurship	Entrepreneurship
Introduction to Financial Accounting	Sales Management	Sales Management
Management Communication	Financial Accounting N4	Financial Accounting N5

Learning Outcomes

Upon completion, students in this field will be able to perform duties in a business or sales environment, small business management, entrepreneurship, communication., etc.

Career Opportunities

This qualification will enable students to pursue career opportunities in diverse private, government, or business environments, including roles such as financial clerk, accounting clerk, administration officer, personal assistant, office assistant, credit clerk, small business manager, entrepreneur, and various managerial positions, among others.

NATIONAL CERTIFICATE: FINANCIAL MANAGEMENT

Programme of Study

N4	N5	N6
Financial Accounting	Financial Accounting	Financial Accounting
Management Communication	Entrepreneurship and Business Management	Entrepreneurship and Business Management
Entrepreneurship and Business Management	Computerised Financial System	Computerised Financial System
Computerised Financial System	Cost and Management	Cost and Management

Please Note: It is compulsory to pass Accounting N4 to be credited with Computerised Financial Accounting.

Learning Outcomes

Upon completion, students in this field will be able to analyse and compile financial statements, invoicing, general bookkeeping, capturing of data, etc.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of private, government or business environment as an asset controller, debtors clerk, creditors

clerk, bookkeeper, payroll administration, financial accountant, budget control officer, bursary officer, and state accountant etc.

NATIONAL CERTIFICATE: MANAGEMENT ASSISTANT

Programme of Study

N4	N5	N6
Information Processing	Information Processing	Information Processing
Computer Practice	Computer Practice	Computer Practice
Office Practice	Office Practice	Office Practice
Communication	Communication	Communication
Introductory Information Processing		

Learning Outcomes

Upon completion of the programme, students in this field will be equipped to support managers and carry out a range of administrative duties.

Career Opportunities

This qualification will enable students to pursue career opportunities in various private, government, or business environments, including roles such as asset controller, debtors' clerk, creditors clerk, bookkeeper, payroll administrator, financial accountant, budget control officer, bursary officer, and state accountant, among others.

NATIONAL CERTIFICATE: HUMAN RESOURCE MANAGEMENT

Programme of Study

N4	N5	N6
Entrepreneurship and Business Management	Computer Practice or Public Relations	Computer Practice or Public relations

Management Communication	Labour Relations	Labour Relations
Computer Practice	Personnel Training	Personnel Training
Personnel Management	Personnel Management	Personnel Management

Learning Outcomes

Upon completion, students will be able to perform duties such as human resource related responsibilities in business and public institutions.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of government or business environment as personnel officer, training officer, administrative officer, human resource clerk or labour relations officer.

NATIONAL CERTIFICATE: PUBLIC MANAGEMENT

Programme of Study

N4	N5	N6
Public Administration	Public Administration	Public Administration
Computer Practice	Public Finance	Public Law
Management Communication	Municipal Administration	Municipal Administration
Entrepreneurship and Business Management	Public Relations	Public Finance

Learning Outcomes

Upon completion of the programme, students will be equipped to perform a wide range of administrative responsibilities across local, provincial, and national government institutions. They will be capable of supporting management, coordinating office operations, maintaining records, preparing reports, managing correspondence, and ensuring the smooth functioning of administrative processes within government

departments and agencies. Additionally, students will gain the skills necessary to contribute to policy implementation, facilitate communication between various stakeholders, and uphold compliance with organisational and governmental procedures.

Career Opportunities

This qualification will equip students with the necessary skills and knowledge to pursue careers within the public sector, including positions such as Office Manager, Administrative Officer, General Office Clerk, Office Supervisor, and related administrative roles.

NATIONAL CERTIFICATE: TOURISM

Programme of Study

N4	N5	N6
Tourism Communication	Tourism Communication	Tourist Destination
Travel Services	Travel Services	Travel Services
Computer Practice	Travel Office procedure	Travel Office procedure
Travel Office procedures	Travel Destination	Travel Destination
Tourist Destination		Hotel Reception

Learning Outcomes

Upon completion, students will ensure customer satisfaction by providing tourism services in a professional manner, both individually and as part of a team. Promote tourism products and services proactively and efficiently assist guests/ travellers.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of private, government or business environment as tour guide, tourism officer, travel agent, tour operator, hotel receptionist, event organiser.

OCCUPATIONAL PROGRAMMES (FUNDED MINISTERIAL PROGRAMMES)

No	Programme and NQF Level	Admission Requirements
1.	Occupational Certificate: Hairdressing NQF Level 4	NQF Level 1 or passed Grade 9 with Mathematics Qualification or Recognition of Prior Learning (RPL).

A qualified students will be able to:

- Shampoo, condition and treat hair and scalp.
- Provide hairstyling services.
- Provide hair cutting services.
- Apply chemicals to hair

Compulsory knowledge and practical skill modules

Module Type	Module Title	Level	Credits
Knowledge Module	Introductory studies for Hairdressers	2	6
Knowledge Module	Hair and skin	3	10
Knowledge Module	Shampooing, conditioners and treatment	2	6
Knowledge Module	Communication and sales	3	6
Knowledge Module	Hairstyling	3	20
Knowledge Module	Hair Cutting	4	30
Knowledge Module	Chemical hair services	4	30
	Total credits for Knowledge Modules		108
Practical Skill Module	Shampoo, condition and treat scalp and hair	2	6
Practical Skill Module	Style hair	3	25
Practical Skill Module	Cut hair	4	25

Practical Skill Module	Colour hair	4	25
Practical Skill Module	Provide chemical hair treatments	4	25
Practical Skill Module	Maintain professional customer services	3	2
	Total credits for Practical Skill Modules		108
Work Experience Module	Provide shampooing, conditioning and treatment of hair and scalp services in a hair salon	2	25
Work Experience Module	Provide hairstyling services in a hair salon	4	91
Work Experience Module	Provide hair cutting services in a hair salon	4	100
Work Experience Module	Provide chemical hair treatment services in a hair salon	4	100
Work Experience Module	Maintain professional standards when interacting with clients	3	8
	Total credits for Work Experience Modules		324

ARTICULATION OPTIONS

Horizontal Articulation:

- Further Education and Training Certificate: Beauty and Nail Technology, SAQA ID 80646, Level 4.
- Further Education and Training Certificate: Generic Management, SAQA ID 57712, Level 4.

Vertical Articulation:

- National Diploma: Customer Management, SAQA ID 20908, Level 5.

No	Programme and NQF Level	Admission Requirements
2.	Occupational Certificate: Bookkeeper NQF Level 5	NQF Level 4 with Mathematics Literacy and Communication English or Recognition of Prior Learning (RPL)

A qualified students will be able to:

- Apply bookkeeping principles and practices to prepare, maintain, and interpret financial records in accordance with generally accepted accounting standards.
- Process and reconcile financial transactions using manual and computerized accounting systems.
- Prepare, analyze, and present financial statements and management reports for decision-making purposes.
- Comply with relevant legislation, ethical standards, and organizational financial policies and procedures.
- Demonstrate effective communication, problem-solving, and organizational skills within a financial or business environment.
- Support financial management functions by contributing to budgeting, cost control, and financial planning activities.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Accounting Information Systems	5	10
Knowledge Module	Bookkeeping practice	5	20
Knowledge Module	Financial Accounting	5	25
Knowledge Module	Basic Principles of Cost and Management Accounting	6	10
Knowledge Module	Basic Taxation	4	5

Knowledge Module	Principles of Taxation	5	10
Knowledge Module	End User Computing	3	6
Knowledge Module	Business communication and customer services	5	6
Knowledge Module	Ready for work standards	4	5
Knowledge Module	Basic business calculations	4	5
Knowledge Module	Introductory Project management	4	2
	Total credits for Knowledge Modules		104
Practical Skill Module	Use a recognised accounting system to record accounting and related calculations	5	20
Practical Skill Module	Maintain and update filing of financial records either manually or using electronic devices	5	20
Practical Skill Module	Apply fundamental financial techniques to perform bookkeeping duties with accuracy	5	8
Practical Skill Module	Communicate effectively using appropriate methods to maintain effective customer relationships	5	10
Practical Skill Module	Apply knowledge of bookkeeping principles and practices to identify and solve work-related problems	5	15
Practical Skill Module	Apply knowledge of accounting principles and practices to identify and solve problems ethically	5	7
	Total credits for Practical Skill Modules		80
Work Experience Module	Record and calculate financial transactions using an accounting information system	5	20
Work Experience Module	Reconcile records of sales and other financial transactions	4	20

Work Experience Module	Develop and use spreadsheets to perform financial calculations	4	10
Work Experience Module	Assist with the calculation of the cost of a product or service for purchasing/manufacturing	5	15
Work Experience Module	Assist with preparing operational budget	4	10
Work Experience Module	Preparation of financial reports	5	20
Work Experience Module	Prepare statutory returns for tax compliance purposes	5	20
Work Experience Module	Record inventory and assets	4	10
Work Experience Module	Process payroll transactions using computerized software	5	15
Work Experience Module	Support administrative processes within the financial unit	5	15
Work Experience Module	Handle customer and client queries related to financial matters	5	10
Work Experience Module	Apply correct and timely processes to all financial supportive tasks	5	10
Work Experience Module	Audit packs prepared under supervision according to internal control procedures	5	5
	Total credits for Work Experience Modules		180

ARTICULATION OPTIONS

This qualification allows possibilities for both horizontal and vertical articulation.

Horizontal Articulation:

- Certificate: Accounting, Level 5 (ID 80189).
- Higher Certificate in Accounting, Level 5 (ID 93811).

Vertical Articulation:

- Diploma in Accounting Sciences, Level 6 (ID 94703).
- Diploma in Accounting, Level 6. (ID 93597).
- Occupational Certificate: Tax Technician, Level 6 (ID 94098).

No	Programme and NQF Level	Admission Requirements
3.	Occupational Certificate: Office Administrator NQF Level 5	NQF Level 4 with Communication English or Recognition of Prior Learning (RPL)

A qualified students will be able to:

- Manage office operations and administrative systems efficiently.
- Coordinate meetings, communication, and documentation processes.
- Support management with planning, reporting, and record-keeping.
- Apply organizational, financial, and interpersonal skills in a professional office environment.

Compulsory knowledge and practical skill modules

Module Type	Module Title	Level	Credits
Knowledge Module	Effective office administration and management	5	10
Knowledge Module	Business communication and customer services	5	8
Knowledge Module	Office protocol, deportment and etiquette	5	8

Knowledge Module	Apply End User Computing	3	6
Knowledge Module	Social media and digital literacy	4	5
Knowledge Module	Introductory project management	4	2
Knowledge Module	Computerized Project Management	5	15
Knowledge Module	Basic business calculations	4	5
Knowledge Module	Resource and procurement management	5	15
Knowledge Module	Tender and procurement processes, and procedures	5	5
Knowledge Module	Document management and record keeping	5	15
Knowledge Module	Staffing, and people support	5	15
Knowledge Module	Principles of the National Qualifications Framework (NQF) in relation to Skills development and Workplace Skills Plan (WSP) administration	5	12
Knowledge Module	Public relations, marketing and advocacy	5	6
Knowledge Module	Ready for work standards	4	5
	Total credits for Knowledge Modules		132
Practical Skill Module	Communication and effective customer relationships	5	10
Practical Skill Module	Manage, coordinate and assist in the administration and clerical support of resources to facilitate smooth operational activities	5	15

Practical Skill Module	Assist in the administration and preparation of the process of tendering of contracts	5	15
Practical Skill Module	Manage meetings	5	15
Practical Skill Module	Payroll processing and pay administration	5	15
Practical Skill Module	Support the recruitment, selection, and induction of staff	5	15
Practical Skill Module	Classify, identify, register, track and dispose of records and information	5	15
Practical Skill Module	Assist in the administration and preparation of the Workplace Skills Plan (WSP)	5	15
Practical Skill Module	Provide administrative support to Marketing/Public Relations division	5	20
Practical Skill Module	Prepare, install and dismantle exhibition elements	5	10
Practical Skill Module	Manage a small project	5	10
	Total credits for Practical Skill Modules		155
Work Experience Module	Perform administrative and meeting support functions to support management	5	12
Work Experience Module	Handle customer and client's queries and liaison in an office	5	8
Work Experience Module	Marketing/Public Relations and administrative support	5	25
Work Experience Module	Assist in planning and coordinating at least two special events/conferences	5	20

Work Experience Module	Procure and allocate resources	5	15
Work Experience Module	Solicit tender offers in terms of a set of procedures	5	10
Work Experience Module	Manage a paperless office	5	20
Work Experience Module	Supervision, and training of administration staff	5	15
Work Experience Module	Assist in developing a Workplace Skills Plan according to employee training needs	5	8
Work Experience Module	Apply ready for work standards to everyday work activities	5	25
	Total credits for Work Experience Modules		158

ARTICULATION OPTIONS

Horizontal Articulation:

- Certificate: Office Administration, Level 5.
- Higher Certificate in Administration, Level 5.
- Higher Certificate in Business Administration, Level 5.
- Higher Certificate in Business Management, Level 5.
- Higher Certificate in Business Principles and Practice, Level 5.
- Higher Certificate in Entrepreneurship, Level 5.
- Higher Certificate in Export Management, Level 5.
- Higher Certificate in Facilities Management, Level 5.
- Higher Certificate in Human Resource Management, Level 5.
- Higher Certificate in Human Resource Practices, Level 5.
- Higher Certificate in Marketing, Level 5.
- Higher Certificate in Marketing Management, Level 5.
- Higher Certificate in Marketing Practice, Level 5.
- Higher Certificate in Office Administration, Level 5.
- Higher Certificate in Office Management, Level 5.
- Higher Certificate: Business Studies, Level 5.

- Higher Certificate in Supply Chain Management, Level 5.
- Higher Certificate in Public Sector Procurement, Level 5.
- Higher Certificate in Project Management, Level 5.

Vertical Articulation:

- National Diploma: Office Management and Technology, Level 6.
- Diploma: Office Management and Technology, Level 6.
- Diploma in Office Management, Level 6.
- Diploma: Office Administration, Level 6.

No	Programme and NQF Level	Admission Requirements
4.	Occupational Certificate: Tourist Information Officer NQF Level 5	NQF Level 4 with Communication English or Recognition of Prior Learning (RPL)

A qualified students will be able to:

- Provide accurate tourism information and customer service to visitors.
- Promote local attractions and travel services.
- Coordinate tourism activities and maintain administrative records.
- Communicate effectively with clients and stakeholders in the tourism sector.

Compulsory knowledge and practical skill modules

Module Type	Module Title	Level	Credits
Knowledge Module	South Africa as a travel destination	5	5
Knowledge Module	Selling products	5	5
Knowledge Module	Office protocol, deportment and etiquette	5	8
Knowledge Module	Local tourism destinations, attractions and itinerary planning	5	20
Knowledge Module	Introduction to Tourism	5	15

Knowledge Module	Basic business calculations	4	5
Knowledge Module	Apply End User Computing	3	6
Knowledge Module	Business communication and customer services	5	8
Knowledge Module	Social media and digital literacy	4	5
Knowledge Module	Reception services	5	5
Knowledge Module	Map work and itineraries	5	10
Knowledge Module	Introductory Project Management	4	2
Knowledge Module	Exhibition and special events	5	3
Knowledge Module	Ready for work standards	4	5
Knowledge Module	Develop and update tourism industry knowledge	5	10
	Total credits for Knowledge Modules		112
Practical Skill Module	Address protocol requirements	5	5
Practical Skill Module	Plan and develop culturally appropriate tourism operations	5	12
Practical Skill Module	Prepare, install and dismantle exhibition elements	5	10
Practical Skill Module	Source and provide destination information and an itinerary for a customer	5	15
Practical Skill Module	Manage, and assist in the administration and clerical support of office resources	5	12

Practical Skill Module	Prepare quotations	5	10
	Total credits for Practical Skill Modules		64
Work Experience Module	Research, design and sell local travel and tourism-related packages, products and services	5	25
Work Experience Module	Apply ready for work standards to everyday work activities	5	25
Work Experience Module	Handle customer and clients' queries and liaison in a Travel Information Centre	5	8
Work Experience Module	Operate an online information system for tourism related information	5	10
Work Experience Module	Processing reservations and issuing documentation	5	36
	Total credits for Work Experience Modules		104

ARTICULATION OPTIONS

Horizontal Articulation:

- Higher Certificate: Travel and Tourism, Level 5, SAQA QUAL ID 21147.
- Occupational Certificate: Travel Professional, Level 5, SAQA QUAL ID 101372.

Vertical Articulation:

- Diploma: Internal Tourism, Level 6, SAQA QUAL ID 65860.
- National Diploma: Tourism: Services, Level 6, SAQA QUAL ID 22320.

No	Programme and NQF Level	Admission Requirements
5.	Occupational Certificate: Supply Chain Practitioner NQF Level 5	NQF Level 4 with Mathematical Literacy or Recognition of Prior Learning (RPL)

A qualified student will be able to:

- Provide environmental scanning assistance for effective supply chain operations.
- Implement supply chain operational activities within an organisation.
- Implement and assess supply chain workflow processes for continuous improvement.
- Perform inventory and logistics operational activities within an organisation.

Compulsory knowledge and practical skill modules

Module Type	Module Name / Description	Module Code	NQF Level	Credits
Knowledge Module	Supply Chain Environments	333905000-KM-01	5	10
Knowledge Module	Supply Chain Operations	333905000-KM-02	5	10
Knowledge Module	Supply Chain Workflow	333905000-KM-03	5	10
Knowledge Module	Inventory and Logistics Operations	333905000-KM-04	5	10
Knowledge Module	Optimising Supply Chain Relationships	333905000-KM-05	5	15
Knowledge Module Total				55
Practical Skill Module	Scan environment for impact on supply chain	333905000-PM-01	5	5
Practical Skill Module	Execute supply chain operational activities	333905000-PM-02	5	15
Practical Skill Module	Analyse and interpret workflow processes	333905000-PM-03	5	5
Practical Skill Module	Perform inventory and logistics operations	333905000-PM-04	5	5
Practical Skill Module	Optimise supply chain relationships	333905000-PM-05	5	10

Practical Skill Total				40
Work Experience Module	Operational/divisional planning processes and procedures	333905000-WM-01	5	3
Work Experience Module	Sourcing products/services from external suppliers	333905000-WM-02	5	8
Work Experience Module	Organisation's logistics systems and procedures	333905000-WM-03	5	8
Work Experience Module	Client and supplier relationship policies and procedures	333905000-WM-04	5	8
Work Experience Module	Contract implementation, monitoring, and controlling	333905000-WM-05	5	4
Work Experience Module	Performance and risk awareness processes and procedures	333905000-WM-06	5	8
Work Experience Module	Stores and stock administration processes	333905000-WM-07	5	4
Work Experience Module	Distribution systems and procedures	333905000-WM-08	5	4
Work Experience Total				47

EXIT LEVEL OUTCOMES

- Develop and coordinate supply chain operational plans and schedules
- Assess execution of supply chain operational schedules.

ARTICULATION OPTIONS

This qualification has the following articulation possibilities.

Horizontal Articulation:

- Occupational Certificate: Procurement Officer; Level 5.

Vertical Articulation:

- Occupational Certificate: Supply Chain Manager, National Qualifications Authority (NQF) Level 6.

No	Programme and NQF Level	Admission Requirements
6.	Occupational Certificate: Early Childhood Development Practitioner NQF Level 4	National Certificate Vocational (NCV) at NQF Level 3 or any other NQF Level 3 qualification or Recognition of Prior Learning (RPL)

A qualified students will be able to:

Qualified students will possess the knowledge, practical skills, and professional competencies required to facilitate and enhance the holistic development of young children from birth to school-going age. The learner will be able to create and implement developmentally appropriate learning programmes, support inclusive education practices, and promote the physical, emotional, social, and cognitive growth of children in diverse contexts.

Furthermore, the qualified students will demonstrate the ability to apply theoretical and practical knowledge of child development, health, safety, and nutrition to ensure a safe and stimulating learning environment. They will also be equipped to communicate effectively with parents, caregivers, and other stakeholders in the education sector, fostering collaborative partnerships that support early learning and school readiness.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Introduction to the early childhood development sector	4	4

Knowledge Module	Theories and Perspectives of Child Development	5	6
Knowledge Module	Planning and Programme Development in early childhood settings	4	8
Knowledge Module	Facilitation and mediation of active learning	5	12
Knowledge Module	Observation and assessment in early childhood development	4	4
Knowledge Module	Promotion of health, safety and well-being of children	4	6
Knowledge Module	Administration for early childhood development services and programmes	3	3
	Total credits for Knowledge Modules		43
Practical Skill Module	Plan and prepare inclusive educational activities and routines using an approved programme based on the curriculum framework	4	12
Practical Skill Module	Facilitate and mediate active learning in an integrated and holistic learning programme	5	9
Practical Skill Module	Observe, assess, record and report each child's progress according to the age and stage	4	4
Practical Skill Module	Support and promote the health, nutrition, safety, protection and well-being of children	4	12
Practical Skill Module	Build and maintain collaborative relationships with parents and other service providers	4	3
Practical Skill Module	Prepare and maintain administrative systems	3	3
	Total credits for Practical Skill Modules		43
Work Experience Module	Learning programme and routines planning and preparation process	4	13

Work Experience Module	Processes of facilitating and mediating the learning programme in a variety of contexts	4	15
Work Experience Module	Processes of observation, assessment, recording and reporting on children's learning and development	4	7
Work Experience Module	Processes and procedures of promoting the health, nutrition, safety, protection and well-being of children in an early childhood development setting	4	10
	Total credits for Work Experience Modules		45

ARTICULATION OPTIONS

Horizontal Articulation:

- Further Education and Training Certificate: Early Childhood Development, NQF Level 4.

Vertical Articulation:

- Higher Certificate in Early Childhood Development, NQF Level 5.

MOŠATE HOTEL SCHOOL AND HOEDSPRUIT SATELLITE CAMPUS

1. Occupational Certificate: Cook

NQF Level 4 (Minimum Credits: 184)

Programme of Study (Modules)

Theory Modules

Food safety and quality assurance	Workplace safety
Theory of food production	Basic ingredients
Introduction to the kitchen, and the hospitality and catering industry	Introduction to the kitchen, and the hospitality and catering industry
Food preparation methods	Food preparation technique
Food cooking methods and techniques	Personal development as a cook

Practical (workplace) modules

Implement food production	Maintain food production systems
Documents and report on kitchen activities	Assist with kitchen activities
Preparation processes and procedures to provide cooking services within the cook-serve or cook-chill/freeze food production environment	Hygiene practices and cleaning processes and procedures within the cook-serve or cook-chill/freeze food production environment
Processes and procedures for communicating with and assisting other kitchen personnel within a cook-serve or cook-chill/freeze food production environment	Processes and procedures for cooking a variety of food items using different methods and techniques, equipment and utensils

Admission Requirements

A prospective student must have a minimum of Grade 9 or an NQF Level 1/ABET Level 4 qualification with Mathematics, or an approved bridging programme designed for the specific purpose to access NQF Level 2 or a Recognition of Prior Learning (RPL) assessment to meet the basic requirements for access to NQF Level 2.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in hotels, cruise lines, hospitals, restaurants, recreation clubs, catering companies, etc. as a kitchen assistant, caterer, hospitality receptionist, bar attendant, waitron, chef, etc.

Enrolment Schedule

January and July

Duration

A minimum of 12 months

4. Occupational Certificate: Chef

NQF Level 05 (Minimum Credits: 148)

Programme of Study (Modules)

Theory Module

Personal hygiene and safety	Numeracy and units of measurement
Food safety and quality assurance	Computer literacy and research
Workplace safety	Environmental awareness
Environmental sustainability	Introduction to Nutrition and Diets
Nutrition and healthier food preparation and cooking	Basic Ingredients
Gastronomy, basic scientific principles, flavour construction and global cuisines	Theory of food production
Theory of food production supervision	Introduction to the kitchen, and the hospitality and catering industry
Theory of staff resource management	Theory of production facility and equipment resource management
Theory of commodity resource management	Operational Cost Control, Level 5
Menu planning and recipe costing	Food preparation methods and techniques
Food cooking methods and techniques	Theory of preparing, cooking, and finishing dishes
Personal development as a Chef	

Practical Modules

Prepare and cook food items using different methods and techniques, equipment and utensils	Prepare, cook and finish dishes using different methods and techniques, equipment and utensils
Plan menus and cost recipes/dishes,	Manage and maintain staff, facility, equipment and commodity resources

Maintain food production systems	Implement and maintain cost control in catering
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Workplace Modules

Planning and preparation of processes and procedures to provide chef services within the hierarchy of the organisational structure.	Processes and procedures for organising food production area, commodities, staff and environment.
Processes and procedures for preparing and cooking a variety of food items using different methods and techniques, equipment and utensils.	Processes and procedures for preparing, cooking and finishing a variety of dishes using the correct method and techniques to meet customer expectations.

Admission Requirements

NQF Level 2 or passed Grade 10 Qualification with Mathematical Literacy or Recognition of Prior Learning (RPL).

Career Opportunities

Graduates of the Chef NQF Level 5 qualification can pursue diverse career paths within the hospitality and culinary industries. They may work in restaurants, hotels, lodges, resorts, catering companies, or cruise ships. Career options include roles such as **Commis Chef**, **Chef de Partie**, **Sous Chef**, or **Executive Chef**, where they oversee kitchen operations and menu planning. Students may also establish their own **catering or food service businesses**, work as **private or personal chefs**, or advance into **kitchen management and culinary training** positions. This qualification provides a strong foundation for both local and international culinary careers.

Enrolment Schedule

January and July

Duration

A minimum of 3 Years

ARTICULATION OPTIONS

Horizontal articulation possibilities:

- Higher Certificate: Hospitality Management, Level 5.
- Certificate: Hospitality Management, Level 5.

Vertical articulation possibilities:

- National Diploma: Hospitality Studies, Level 6.

SIR VAL DUNCAN CAMPUS

A. PRE-VOCATIONAL LEARNING PROGRAMME

Pre-Vocational Learning Programme (PLP) is designed to address deficiencies in general foundational learning and effectively prepare students for access to TVET and help to improve the learning outcomes and quality of learning in TVET, resulting in an improvement in retention, completion, and participation rates in TVET.

Admission Requirements

The prospective students must have passed Grade 9, but do not meet the entry level requirements for NC (V) Programmes.

Enrolment Schedule

January

Duration

1 Year (full-time level of study)

Subjects

- English
- Mathematics
- Science
- Life Skills (including technology)

B. NATIONAL CERTIFICATE VOCATIONAL PROGRAMMES

Admission Requirements

A Pre-Vocational Learning Programme (PLP) certificate with a minimum of 50% pass in English and Life Orientation and a minimum of 60% in Mathematics and Fundamental Science; or a Grade 9 report with a minimum of 50% pass in Mathematics/Mathematical Literacy and English/FAL; or a AET L4 (GETC) with a minimum of 50% pass in Mathematics/Mathematical Literacy and English FAL; or an Equivalent Occupational qualification or a RPL Assessment Programmes or an APS score of 24. Using the best of six Grade 9 subjects, inclusive of Mathematics/Mathematical Literacy, Technical Mathematics, and English.

Enrolment Schedule

January

Duration

3 years (a full year on each level)

	LEVEL 2 SUBJECTS	LEVEL 3 SUBJECTS	LEVEL 4 SUBJECTS
Fundamental Subjects (Compulsory for all programmes)	English Life Orientation Mathematics	English Life Orientation Mathematics	English Life Orientation Mathematics
1. Civil Engineering & Building Construction	Construction Planning	Construction Planning	Construction Planning
	Plant and Equipment	Plant and Equipment	Plant and Equipment
	Materials	Materials	Materials

	<p>Choose ONE of the following:</p> <ul style="list-style-type: none"> • Carpentry & Roof Work • Masonry • Plumbing 	<p>Next level of chosen subject:</p> <ul style="list-style-type: none"> • Carpentry & Roof Work • Masonry • Plumbing 	<p>Next level of chosen subject:</p> <ul style="list-style-type: none"> • Carpentry & Roof Work • Masonry • Plumbing
2. Electrical Infrastructure & Construction	Electrical Principles and Practice	Electrical Principles and Practice	Electrical Principles and Practice
	Workshop Practice	Workshop Practice	Workshop Practice
	Electronic Control and Digital Electronics	Electronic Control and Digital Electronics	Electronic Control and Digital Electronics
	<p>Electrical Systems and Construction</p> <p>Choose ONE of the following:</p> <ul style="list-style-type: none"> • Electrical Systems and Construction • Renewable Energy Technologies 	<p>Electrical Systems and Construction</p> <p>Choose ONE of the following:</p> <ul style="list-style-type: none"> • Electrical Systems and Construction • Renewable Energy Technologies 	<p>Electrical Systems and Construction</p> <p>Choose ONE of the following:</p> <ul style="list-style-type: none"> • Electrical Systems and Construction • Renewable Energy Technologies
3. Engineering Related Design	Engineering Fundamentals	Engineering Practice and Maintenance	Engineering Processes
	Engineering Technology	Materials Technology	Professional Engineering Practice
	Engineering System	Engineering Graphics and Design (CAD)	Applied Engineering Technology
	Choose ONE of the following:	Next level of chosen subject:	Next level of chosen subject:

	<ul style="list-style-type: none"> ● Fitting & Turning ● Automotive Repair & Maintenance ● Engineering Fabrication ● Boiler Making 	<ul style="list-style-type: none"> ● Fitting & Turning ● Automotive Repair & Maintenance ● Engineering Fabrication ● Boiler Making 	<ul style="list-style-type: none"> ● Fitting & Turning ● Automotive Repair & Maintenance ● Engineering Fabrication ● Boiler Making
4. Information Technology and Computer Science	Introduction to Information Systems	Systems Analysis and Design	Systems Analysis and Design
	Electronics	Computer Hardware and Software	Data Communication and Networking
	Introduction to Systems Development	Principles of Computer Programming	Computer Programming
	Contact Centre Operations	Contact Centre Operations	Contact Centre Operations
5. Information Technology and Computer Science (Programming and Robotics)	Electronics and Digital Concepts for Robotics	Electronics and Digital Concepts for Robotics	Electronics and Digital Concepts for Robotics
	Robotics Fundamental	Introduction to Robotics	Robotics and Industrial Automation
	Basic Principles of Computer Programming and Computer Literacy	Introduction to Technical Programming	Technical Programming
	Mechanotronic Systems	Mechanotronic Systems	Mechanotronic Systems

LEARNING OUTCOMES AND POSSIBLE EMPLOYMENT OPPORTUNITIES

1. CIVIL ENGINEERING AND BUILDING CONSTRUCTION

Learning Outcomes

Upon successful completion of the Programme, students will possess the knowledge, skills, and competencies to **operate and maintain a range of construction equipment and machinery safely and efficiently**, in accordance with industry standards and occupational health and safety regulations. They will be able to **actively participate in the construction of infrastructure projects**, including roads, bridges, and residential or commercial buildings, applying appropriate construction techniques and project management principles.

Additionally, students will demonstrate the ability to **contribute effectively to the erection of reinforced concrete, structural steel, timber, and masonry structures**, ensuring quality workmanship and adherence to technical specifications. Graduates will be capable of **collaborating within multidisciplinary construction teams**, interpreting technical drawings and plans, and applying problem-solving skills to address construction challenges. This Programme prepares students for both practical implementations on-site and for potential progression into supervisory, technical, or specialist roles within the construction industry.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of sectors as an architectural technologist, drainage inspector, industrial designer, quantity surveyor, town regional planner, sanitation engineer, road construction engineer, civil construction engineer, building construction engineer, etc.

2. ELECTRICAL INFRASTRUCTURE AND CONSTRUCTION

Learning Outcomes

Upon completion of the Programme, a student will be equipped with the foundational knowledge and practical competencies to **work within the electrical engineering and energy sectors**. Graduates will be able to **gain employment at power stations** or similar industrial environments where electrical systems are installed, maintained, and operated. They may also work as **student electricians** or **student electrical**

technicians, assisting in the installation, testing, repair, and maintenance of electrical circuits, equipment, and infrastructure.

Furthermore, students will be able to apply **safety regulations, technical standards, and problem-solving skills** relevant to the electrical field, while working under the supervision of qualified professionals. The qualification provides a pathway for further career progression and specialization within the broader electrical engineering discipline.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of sectors as an electrical engineer, electrician, industrial engineer, sound technologist, process level controller, electrical engineering business owner, digital electronics, etc.

3. ENGINEERING AND RELATED DESIGN

Learning Outcomes

This qualification will equip students with the foundational knowledge and technical competencies required to pursue diverse career opportunities within the electrical and engineering sectors. Graduates may gain employment as Electrical Engineers, Electricians, Industrial Engineers, Sound Technologists, or Process Level Controllers. In addition, the qualification enables students to explore entrepreneurial pathways as Electrical Engineering Business Owners or to specialize in emerging fields such as Digital Electronics and related technologies.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of sectors as a manufacturer and industrial engineer, metallurgical and materials engineer, mining engineer, geological engineer, aerospace engineer, tool maker, fitter etc.

4. INFORMATION TECHNOLOGY AND COMPUTER SCIENCE

Learning Outcomes

Upon completion, students will be able to test programmes and software applications, write computer programmes, Install network cables for computer systems and process computer data.

Career Opportunities

The qualification will provide the student with an opportunity to access careers in a variety of sectors as a computer programmer, information technology manager, computer systems engineer, data processor etc.

5. INFORMATION TECHNOLOGY AND COMPUTER SCIENCE (PROGRAMMING AND ROBOTICS)

Learning Outcomes

Robotics is an inter and multidisciplinary subject and tool which involves components of STEAM (Science, Technology, Engineering, Arts and Maths) education. Upon completion, students will acquire the construction of knowledge from various domains with the ability to assemble and programme the robots. The students will develop skills in problem solving, creative thinking and computational thinking.

Career Opportunities

The qualification will provide the student with an opportunity to access careers in a variety of sectors as a robotic engineer, software developer, design engineer and mechanical engineer.

C. NATED PROGRAMMES: ENGINEERING STUDIES

Admission Requirements

N4

- The admission requirement for N4 Certificate requires one to have at least N3 Certificate or Grade 12 with relevant technical subjects.
- Passed all 7 subjects with a minimum of 50% in NCV L4 in the specific field.

Added APS advantage into N4 NATED Programmes (Engineering Studies).

- English-57%, Technical Mathematics-35%, Relevant Technology subjects (Civil, Electrical, Mechanical) or Technical Science-62% plus two next best subjects in National Senior Certificate.
- APS Score of 29

N5

- The admission requirement for N5 Certificate requires one to have at least N4 Certificate.

N6

- The admission requirement for N6 Certificate requires one to have at least N5 Certificate.

Notes

Students in possession of N6 Certificate plus 24 months relevant practical experience can apply for a National N-Diploma.

Enrolment Schedule

January, May & September

Mode of Delivery

Full-Time & Part-Time (N4-N6) and Online Learning

**NATIONAL CERTIFICATE: ELECTRICAL ENGINEERING
Programme of Study**

HEAVY CURRENT

N4	N5	N6
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Mathematics	Mathematics	Mathematics
Engineering Science	Electronics	Electrotechnics
Electronics	Industrial Electronics	Industrial Electronics
Electrotechnics	Power Machines	Power Machines
	Supervisory Management	Supervisory Management

Learning outcomes

Students will be able to become qualified Tradesmen or Technicians after completion of the relevant experiential learning.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of sectors as an electrical tradesman, electronic tradesman, instrumental tradesman, auto/motor electrical tradesman and electrical/electronic technician.

2. NATIONAL CERTIFICATE: MECHANICAL ENGINEERING

Programme of Study

Mechanical Engineering

N4	N5	N6
Mechanotechnics	Mechanotechnics	Mechanotechnics
Mechanical Draughting	Mechanical Draughting	Mechanical Drawing and Design
Mathematics	Mathematics	Mathematics
Supervisory Management	Supervisory Management	
Engineering Science	Engineering Physics	Engineering Physics
	Power Machines	Power Machines

Learning outcomes

Students will be able to become qualified tradesmen after the completion of the relevant experiential training.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of sectors as an assistant mechanical engineer, boilermaker, diesel mechanic, fitter and turner, mechanical engineering technician, motor mechanic, tool maker and welder.

3. NATIONAL CERTIFICATE: CIVIL ENGINEERING

N4	N5	N6
Building Administration	Building Administration	Building Administration
Building and Structural Surveying	Building and Structural Surveying	Building and Structural Surveying
Building and Structural Construction	Building and Structural Construction	Building and Structural Construction
Quantity Surveying	Quantity Surveying	Quantity Surveying

Learning Outcomes

Students will be qualified as technicians in the building and civil industry.

Career Opportunities

This qualification will provide a student with an opportunity to access careers in a variety of sectors as an architect, building and structural construction engineer, civil engineer, local government (municipalities), quantity surveyor, road construction engineer.

Enrolment Schedule

January, May & September

Please note: All engineering report 191/Nated programmes are also offered on part-time basis (Online Learning)

D. OCCUPATIONAL PROGRAMMES (NON-FUNDED MINISTERIAL PROGRAMMES)

Programme of Study

Mode of delivery

A minimum of six months full-time modular training and workshop practical at the college and minimum of 18 months' workplace experience training at the host employer.

No	Programme and NQF Level	Admission Requirements
1.	Occupational Certificate: Carpenter NQF Level 4	NQF Level 3 or passed Grade 11 with Mathematics and Science or Recognition of Prior Learning (RPL).

Qualified students will be able to work as:

Graduates of the Occupational Certificate: Carpenter (NQF Level 4) will be equipped with the practical and technical skills required to work in various sectors of the construction and woodworking industries. They may be employed as **Carpenters, Joiners, Cabinet Makers, Shopfitters, or Furniture Makers**, performing tasks such as constructing, installing, and repairing wooden structures, fixtures, and fittings.

Qualified students can also work on **residential, commercial, and industrial building projects**, contributing to the fabrication of doors, windows, staircases, and frameworks. In addition, they may operate as **self-employed artisans or contractors**, offering specialized carpentry and woodwork services. This qualification provides a foundation for further career advancement into **supervisory, entrepreneurial, or artisan development roles** within the construction and manufacturing environments.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Health, Safety, Quality and Legislation	3	10
Knowledge Module	Environment, Energy Efficiency and Ethics	4	5
Knowledge Module	Tools, Equipment, Materials and Workshop Practice	3	20
Knowledge Module	Drawings and Applied Sciences	4	10
Knowledge Module	Industry Contexts	3	5
Knowledge Module	Communication Theory	3	5
Knowledge Module	Carpentry Formwork and cutting	4	5
Knowledge Module	Shoring trenches/excavations	4	4
Knowledge Module	Roofing	4	3
Knowledge Module	Partitioning/ceiling	4	2
Knowledge Module	Carpentry finishing	4	3
	Total credits for Knowledge Modules		72
Practical Skill Module	Set out work area	4	18
Practical Skill Module	Cut materials according to specifications using hand and power tools	3	12
Practical Skill Module	Install structures	4	16

Practical Skill Module	Fabricate erect and strip steel and timber formwork	4	18
Practical Skill Module	Prepare and erect ceilings, roof trusses, partitions and panelling	3	15
Practical Skill Module	Clad roof structures	3	14
Practical Skill Module	Finish carpentry activities	3	15
	Total credits for Practical Skill Modules		108
Work Experience Module	Processes and procedures to plan and prepare for carpentry activities in a construction environment	3	40
	Context 1: Formwork		
Work Experience Module	Processes and procedures for constructing, erecting and installing formwork within the construction environment	4	80
	Or		
	Context 2: Roofing and partitioning		
Work Experience Module	Processes and procedures for constructing, erecting and installing roofing and partitioning within the construction environment	4	80
	And		
Work Experience Module	Processes and procedures for fitting, assembling and altering internal and external fixtures of buildings	4	60
	Total credits for Work Experience Modules		180

EXIT LEVEL OUTCOMES

- Determine materials and dimensions required and set out and prepare a work area on a construction site.
- Construct, erect, install and maintain structures on work area and building sites.

- Fit, assemble and alter internal and external fixtures of buildings such as walls, doors, window frames, fascia boards and panelling.

ARTICULATION OPTIONS

The likely progression for a qualified learner with this qualification is to qualifications related to the following occupations:

- Construction Foreman.
- Bricklayer.
- Glazier.
- Building Insulation Installer.
- Carpenter trainer.

E. OCCUPATIONAL PROGRAMMES (FUNDED MINISTERIAL PROGRAMMES)

Programme of Study

Mode of delivery

A minimum of six months full-time modular training and workshop practical at the college and minimum of 18 months' workplace experience training at the host employer

Programme of Study

Mode of delivery

A minimum of six months full-time modular training and workshop practical at the college and minimum of 18 months' workplace experience training at the host employer.

No	Programme and NQF Level	Admission Requirements
1.	Occupational Certificate: Bricklayer NQF Level 4	NQF Level 3 or passed Grade 11 with Mathematics and Science or Recognition of Prior Learning (RPL).

Qualified students will be able to work as:

Residential Bricklayers: Working on new homes and residential buildings, bricklayers install brick, block, and stone to create walls, foundations, and other structural elements.

Commercial Bricklayers: In this role, bricklayers work on larger commercial projects, such as office buildings, shopping centres, and schools, focusing on both aesthetics and structural integrity.

Masonry Contractors: Some bricklayers operate as independent contractors, offering their services for various masonry projects, including repairs and custom work.

Restoration and Conservation: This specialty involves repairing and restoring historical buildings and structures, requiring knowledge of traditional techniques and materials.

Industrial Bricklayers: Working in industrial settings, bricklayers may focus on constructing or repairing structures like smokestacks, silos, and other heavy-duty masonry.

Paving and Hardscaping: Some bricklayers specialize in exterior work, including the installation of patios, walkways, and retaining walls using brick, stone, or concrete pavers.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Health, Safety, Quality and Legislation	3	10

Knowledge Module	Environment, Energy Efficiency and Ethics	4	5
Knowledge Module	Tools, Equipment, Materials and Workshop Practice	3	20
Knowledge Module	Drawings and Applied Sciences	4	10
Knowledge Module	Industry Contexts	3	5
Knowledge Module	Communication Theory	3	5
Knowledge Module	Bricklaying, Blockwork and Masonry Theory	4	12
Knowledge Module	Paving Theory	4	10
Knowledge Module	Transfer Levels	4	8
	Total credits for Knowledge Modules		85
Practical Skill Module	Conduct preparatory activities, repair and/or alteration work to structures using bricks (face and plaster), stone (natural and pre-cut) and block including the building of substructures	3	10
Practical Skill Module	Lay different types of bricks using mortar to build superstructures and decorative structures	3	30
Practical Skill Module	Lay different types of stone and pre-cut stone using mortar to build superstructures and decorative structures	3	30
Practical Skill Module	Lay different types of blocks using mortar to build superstructures and decorative structures	3	30
Practical Skill Module	Lay paving and other structures	3	10
Practical Skill Module	Conduct finishing operation	2	8

Practical Skill Module	Undertake quality testing and assurance activities	3	10
Practical Skill Module	Conduct housekeeping and waste removal activities	2	8
	Total credits for Practical Skill Modules		136
Work Experience Module	Context 1: Superstructures		
Work Experience Module	Planning and preparation processes for bricklaying, work area, material, tools and equipment within the construction environment	4	25
Work Experience Module	Brick laying processes to construct, repair and/or make alterations to superstructures	4	90
Work Experience Module	Finishing operations and processes to construct or repair superstructures	4	25
	Total credits for Work Experience Modules		140
	Or		
Work Experience Module	Context 2: Substructures		
Work Experience Module	Planning and preparation processes for bricklaying, work area, material, tools and equipment within the construction environment	4	25
Work Experience Module	Brick laying processes to construct, repair and/or make alterations to substructures	4	90
Work Experience Module	Finishing operations and processes to construct or repair superstructures	4	25
	Total credits for Work Experience Modules		140

	Or		
Work Experience Module	Context 3: Paving and other structures		
Work Experience Module	Planning and preparation processes for bricklaying, work area, material, tools and equipment within the construction environment	4	25
Work Experience Module	Brick laying processes to construct, repair and/or make alterations to paving and other structures	4	90
Work Experience Module	Finishing operations and processes to construct or repair superstructures	4	25
	Total credits for Work Experience Modules		140

ARTICULATION OPTIONS

This qualification could be articulated with qualifications to be developed within the building industry related to the following occupations: Construction Foreman, Carpenter, Glazier, Building Insulation Installer and a Bricklayer trainer.

No	Programme and NQF Level	Admission Requirements
2.	Occupational Certificate: Electrician NQF Level 4	NQF Level 1 qualification or passed Grade 9 with Mathematics and Science or Recognition of Prior Learning (RPL).

Qualified students will be able to work as:

Residential Electricians: This involves installing, maintaining, and repairing electrical systems in homes. Tasks may include wiring, lighting installation, and troubleshooting electrical issues.

Commercial Electricians: Working in commercial buildings such as offices, retail spaces, and restaurants, commercial electricians handle larger electrical systems and may be involved in new construction or renovations.

Industrial Electricians: These electricians work in factories and industrial settings, focusing on complex electrical systems that power machinery and equipment, including troubleshooting and maintenance.

Maintenance Electricians: Often employed by manufacturing plants or large facilities, maintenance electricians are responsible for the ongoing upkeep and repair of electrical systems and equipment.

Construction Electricians: In this role, electricians work on new construction sites, installing electrical systems according to blueprints and specifications.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Health, Safety, Quality and Legislation	4	5
Knowledge Module	Tools, Equipment and Materials	4	8
Knowledge Module	Electricity and Electronics	4	13
Knowledge Module	Industry Context	3	2
Knowledge Module	Wireways and Wiring	4	11
Knowledge Module	Rotating Electrical Machinery	4	13

Knowledge Module	Electrical Supply Systems and Components	4	31
Knowledge Module	Low Voltage Protection	4	5
Knowledge Module	Fault Finding	4	3
	Total credits for Knowledge Modules		91
Practical Skill Module	Use hand and power tools	3	22
Practical Skill Module	Plan and prepare the process for the wiring, connection, testing, inspecting, commissioning and maintaining electrical installations and control systems	3	5
Practical Skill Module	Prepare worksite set up for installing, wiring and connecting electrical equipment and control systems	3	3
Practical Skill Module	Install wireways	4	5
Practical Skill Module	Install, wire and connect electrical equipment and control systems	4	38
Practical Skill Module	Conduct pre-commission inspection (power on and off), fault find and test new and existing installations	4	5
Practical Skill Module	Carry out commissioning tests	4	13
Practical Skill Module	Fault find and repair electrical control systems and electrical installations	4	22
	Total credits for Practical Skill Modules		113
Work Experience Module	Planning and preparation process for the wiring, connecting, testing, inspecting, commissioning and maintaining of electrical installations and control systems	4	8

Work Experience Module	Processes of installation, wiring and connection of electrical equipment and control systems	4	74
Work Experience Module	Processes of testing and inspecting electrical equipment, control systems and installations	4	15
Work Experience Module	Processes of commissioning electrical installations and control systems	4	15
Work Experience Module	Maintenance processes for electrical installations and control systems	4	44
Total credits for Work Experience Modules			156

ARTICULATION OPTIONS

- This Occupational Certificate articulates horizontally with other occupations with cross-cutting credits in the Knowledge Specifications.
- The learner with this qualification should be able to articulate vertically with Higher Certificates in the Electrical or other related fields at NQF Level 5.

No	Programme and NQF Level	Admission Requirements
3.	Occupational Certificate: Fitter and Turner NQF Level 4	NQF Level 1 or passed Grade 9 with Mathematics and Science or Recognition of Prior Learning (RPL).

Qualified students will be able to work in:

Manufacturing Industry: Fitters and turners are essential in manufacturing settings, producing and assembling components for machines, vehicles, and equipment.

Engineering Workshops: Many fitters and turners work in engineering workshops, where they manufacture custom parts and perform repairs on existing machinery.

Automotive Industry: In automotive manufacturing and repair, fitters and turners help produce and assemble engine components and other parts.

Construction: They may work on construction sites, fabricating and installing mechanical systems and structures, such as piping and framework.

Mining and Resources: The mining industry requires fitters and turners for maintaining and repairing heavy machinery used in extraction and processing operations.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Basic engineering theory	3	32
Knowledge Module	Fitting Theory	4	38
Knowledge Module	Machining Theory	4	36
	Total credits for Knowledge Modules		106
Practical Skill Module	Fabricate simple components or work pieces using basic hand skills and hand tools	2	6
Practical Skill Module	Fabricate components or work pieces using power tools or machinery	3	6
Practical Skill Module	Disassemble, clean and inspect mechanical sub-assemblies	3	6
Practical Skill Module	Replace components and assemble mechanical sub-assemblies and machines	3	6

Practical Skill Module	Do fault finding on mechanical sub-assemblies and machines	4	12
Practical Skill Module	Repair mechanical sub-assemblies and machines	4	12
Practical Skill Module	Install and commission mechanical sub-assemblies and machines	4	12
Practical Skill Module	Overhaul mechanical sub-assemblies and machines	4	20
Practical Skill Module	Produce simple components by setting up and attending to the operation of an engineering machine	2	6
Practical Skill Module	Produce components of intermediate complexity by performing engineering machining operations	3	12
Practical Skill Module	Perform complex machining operations	4	24
	Total credits for Practical Skill Modules		122
Work Experience Module	Fabrication processes in an engineering workshop	2	20
Work Experience Module	Routine mechanical component and machine maintenance processes	3	40
Work Experience Module	Maintenance planning and communication processes	3	10
Work Experience Module	Repair mechanical faults on mechanical sub-assemblies and machines	4	60
Work Experience Module	Overhauling processes in an engineering workshop	4	60
Work Experience Module	Structured planning and communication processes in the workplace	4	60
Work Experience Module	Machining processes to design specifications of a range of work pieces from different materials	4	60
Work Experience Module	Engineering workshop control processes	4	10

	Total credits for Work Experience Modules	320
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ARTICULATION OPTIONS

This qualification articulates with qualifications (currently under development) within the mechanical trades related to the following occupations:

The qualification articulates horizontally with the following, at NQF Level 4:

- Automotive Machinist.
- Metal Machinist.

The qualification articulates vertically with the following at NQF Level 5:

- Engineering Studies N4, NQF Level 5.

No	Programme and NQF Level	Admission Requirements
4.	Occupational Certificate: Pipe Fitter NQF Level 4	NQF Level 1 or passed Grade 9 with Mathematics and Science or Recognition of Prior Learning (RPL).

Qualified students will be able to work in:

Construction: Installing piping systems in new buildings.

Manufacturing: Working on production lines that require fluid handling.

Oil and Gas: Installing and maintaining pipelines and refineries.

HVAC: Working with heating, ventilation, and air conditioning systems.

Water Treatment: Installing and maintaining pipes in water treatment facilities.

Compulsory knowledge and practical skill modules

Module Type	Module Title	Level	Credits
Knowledge Module	Introduction to the Pipe Fitter Trade	2	5
Knowledge Module	Health and Safety Requirements related to the Pipe Fitting Trade	2	5
Knowledge Module	Engineering drawings	3	13
Knowledge Module	Pipe Fitting design specifications and standards	2	10
Knowledge Module	Trade related engineering hand tools	2	7

Knowledge Module	Trade related engineering power tools	4	7
Knowledge Module	Basic marking off techniques	2	7
Knowledge Module	Thermal processes	3	15
Knowledge Module	Pipe systems	4	45
Knowledge Module	Basic rigging	2	10
	Total credits for Knowledge Modules		124
Practical Skill Module	Produce Engineering Drawings	3	24
Practical Skill Module	Perform work assignments utilising trade related engineering hand tools	2	15
Practical Skill Module	Perform work assignments utilising trade related power tools	4	15
Practical Skill Module	Perform basic marking off techniques	2	4
Practical Skill Module	Perform Shielded Metal Arc/Manual Metal Arc Welding (SMAW/MMAW)	3	12
Practical Skill Module	Perform Gas Tungsten Arc Welding (GTAW)	3	12
Practical Skill Module	Perform Gas Metal Arc Welding (GMAW)	3	12
Practical Skill Module	Perform thermal cutting and heating using oxy-fuel processes	3	12
Practical Skill Module	Perform thermal cutting using the plasma cutting process	3	10
Practical Skill Module	Identify and inspect pipe systems and related components to ensure operational integrity	2	8

Practical Skill Module	Remove threaded pipe systems and related components	2	8
Practical Skill Module	Remove welded pipe systems and related components	3	16
Practical Skill Module	Apply pipe development drawing principles and techniques	4	32
Practical Skill Module	Produce threaded pipe systems according to drawing, specifications and HSE requirements	3	12
Practical Skill Module	Fabricate welded pipe systems according to drawings, specifications and HSE requirements	4	20
Practical Skill Module	Install pipe hangers to support pipe systems according to drawing, specifications and HSE requirements	3	12
Practical Skill Module	Perform pressure testing and quality assurance pertaining to pipe systems and components	4	8
Practical Skill Module	Apply Health, Safety and Environment Requirements related to the Pipe Fitting Trade	2	4
Practical Skill Module	Perform metal identification and thermal treatment techniques on various engineering materials	3	12
Practical Skill Module	Perform air arc carbon gouging	3	2
	Total credits for Practical Skill Modules		250
Work Experience Module	Perform activities whilst adhering to Health and Safety Requirements related to the Pipe Fitting environment	2	10
Work Experience Module	Health and Safety Requirements related to the Pipe Fitting Trade	2	2
Work Experience Module	Inspection and identification processes of pipe systems and related components	3	10

Work Experience Module	Removal processes for threaded pipe systems and related components	2	20
Work Experience Module	Removal processes for welded pipe systems and related components	3	35
Work Experience Module	Work processes for producing threaded pipe systems according to drawing, specifications and HSE requirements	3	30
Work Experience Module	Fabrication processes of welded pipe systems according to drawing specifications and HSE requirements	4	45
Work Experience Module	Installation processes of pipe support systems according to design drawings, specifications and HSE requirements	3	35
Work Experience Module	Pressure testing and quality assurance procedure participation pertaining to pipe systems and components	4	20
	Total credits for Work Experience Modules		207

ARTICULATION OPTIONS

Horizontal articulation:

- Occupational Certificate: Welder, Level 4 (ID: 94100).
- Occupational Certificate: Boilermaker, Level 4 (ID: 93626).

Vertical articulation:

- Higher Certificate in Supervisory Management, Level 5 (ID: 94630).
- Occupation Certificate: Plumber, Level 5 (ID: 91782).

No	Programme and NQF Level	Admission Requirements
5.	Occupational Certificate: Plumber NQF Level 4	NQF Level 3 qualification or passed Grade 11 equivalent to N2 knowledge areas in engineering, Mathematics, Science, and building drawings or Recognition of Prior Learning (RPL).

Qualified students will be able to work in: Residential Plumbing:

Most plumbers start in residential settings, installing and repairing plumbing systems in homes, including sinks, toilets, water heaters, and drainage systems.

Commercial Plumbing: This involves working on larger projects, such as office buildings, schools, hospitals, and retail spaces. Commercial plumbers often deal with more complex systems and larger installations.

Industrial Plumbing: This specialty involves working in manufacturing plants or factories, where plumbing systems may involve high-pressure systems or specialized piping for chemicals and other industrial materials.

Service and Repair: Many plumbers work in service and repair, responding to emergency calls, fixing leaks, and addressing plumbing problems in various settings.

New Construction: Plumbers are essential in new building projects, laying out and installing piping systems during construction.

Pipefitting and Welding: Some plumbers choose to specialize further by learning pipefitting or welding, which can open doors to industrial and commercial work involving complex piping systems.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Health, Safety, Quality and Legislation	3	3
Knowledge Module	Environment, Energy Efficiency and Ethics	4	5
Knowledge Module	Tools, Equipment, Components and Site Practice	3	3
Knowledge Module	Drawings and Applied Sciences	4	7
Knowledge Module	Theory of Water and Drainage Excavation	4	8

Knowledge Module	Above and Below Ground Drainage Systems	4	43
Knowledge Module	Sanitary ware	4	4
Knowledge Module	Hot and cold-water systems	4	18
Knowledge Module	Installation and Maintenance Theory for Plumbing Systems	4	9
	Total credits for Knowledge Modules		100
Practical Skill Module	Install, maintain and test above-ground soil waste and vent systems and sanitaryware appliances	4	30
Practical Skill Module	Install, maintain and test below-ground drainage systems	4	35
Practical Skill Module	Install, maintain and test cold water and hot water systems	4	35
Practical Skill Module	Install, maintain and test rainwater systems	4	30
	Total credits for Practical Skill Modules		130
Work Experience Module	Processes and procedures for installation and testing of above ground soil waste and vent systems and sanitary ware appliances	4	30
Work Experience Module	Processes and procedures for installation and testing of below-ground drainage systems and performing basic building work	4	35
Work Experience Module	Procedures and processes for installation and maintenance of cold water and hot water systems	4	35
Work Experience Module	Procedures and processes for installation and maintenance of rainwater systems	4	30
	Total credits for Work Experience Modules		130

ARTICULATION OPTIONS

- Learners with this qualification should be able to horizontally access a qualification in the construction arena with cross-cutting credits in the Knowledge Specifications
- Learners with this qualification should be able to vertically access relevant qualifications in the building/general construction industry or the Architectural Drawing industry at the Higher Certificate, NQF Level 5 or Diploma at NQF Level 6 areas.

No	Programme and NQF Level	Admission Requirements
6.	Occupational Certificate: Welder NQF Level 4	NQF Level 1 or passed Grade 9 with Mathematics and Science or Recognition of Prior Learning (RPL).

Qualified students will be able to work in:

Manufacturing: Welders are essential in manufacturing settings, fabricating and assembling metal structures, machinery, and equipment.

Construction: In the construction industry, welders work on building frameworks, bridges, and other structures, often in collaboration with ironworkers and other trades.

Automotive Industry: Welders are employed in automotive manufacturing, constructing and repairing vehicle frames and components.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Introduction to the welding trade	2	2
Knowledge Module	Occupational Safety, Health and Environmental Protection	2	4
Knowledge Module	Welding schematics, calculations, welds and welded joints	2	6
Knowledge Module	Weld imperfections	2	2
Knowledge Module	Cutting and gouging	2	2

Knowledge Module	Welding consumable classification and handling	2	4
Knowledge Module	Metals and weldability of metals	3	8
Knowledge Module	Fusion welding	3	6
Knowledge Module	Arc welding	3	8
Knowledge Module	Gas welding and cutting	3	4
Knowledge Module	Welding codes, standards and parameters	4	6
Knowledge Module	Shrinkage, residual stress and distortion	4	4
Knowledge Module	Manual Metal Arc, MMA welding process	4	7
Knowledge Module	The Metal Inert Gas/Metal Active Gas/Flux Cored Arc, MIG/MAG/FCAW welding process	7	7
Knowledge Module	Manual Metal Arc, MMA welding process (duplicate)	4	7
Knowledge Module	Welding inspection and quality	4	4
	Total credits for Knowledge Modules		81
Practical Skill Module	Fabricate simple components or work pieces	2	4
Practical Skill Module	Cut, gouge and gas weld material manually	2	12
Practical Skill Module	Perform fillet welds using the Shielded Metal Arc Welding process	3	12
Practical Skill Module	Perform fillet welds using the Gas Metal Arc Welding process	3	12

Practical Skill Module	Perform fillet welds using the Gas Tungsten Arc Welding process	3	16
Practical Skill Module	Perform plate butt welds using the Shielded Metal Arc Welding process	4	16
Practical Skill Module	Perform plate butt welds using the Gas Metal Arc Welding process	4	16
Practical Skill Module	Perform plate butt welds using the Gas Tungsten Arc Welding process	4	16
Practical Skill Module	Perform pipe welds using the Shielded Metal Arc Welding process	4	16
Practical Skill Module	Perform pipe welds using the Gas Metal Arc Welding process	4	16
Practical Skill Module	Perform pipe welds using the Gas Tungsten Arc Welding process	4	20
Total credits for Practical Skill Modules			140

ARTICULATION OPTIONS

Articulation opportunities with other metal trade specific qualifications in the unit group 6512, Welders and Flame Cutters, such as Pressure Welders and Fitter Welders, 6513, Sheet Metal Workers such as Boiler Makers will become reality as trade qualifications for these are developed.

The structure of the curriculum recognizes the internationally accepted progressive development route of welders through skill sets as:

- Fillet Welder.
- Plate Welder.
- Pipe Welder.

Even though related qualifications are not currently registered on the NLRD, progression to higher level welding trade specific employment opportunities is possible for the qualified welder in areas such as:

- International Welding Practitioners.
- International Welding Specialists.
- Welding Inspector: Level 1.
- Welding Inspector: Level 2.

No	Programme and NQF Level	Admission Requirements
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7.	Occupational Certificate: Boilermaker NQF Level 4	NQF Level 1 or passed Grade 9 with Mathematics and Science or Recognition of Prior Learning (RPL).
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Qualified students will be able to work in:

Power Generation: Boilermakers are critical in the construction and maintenance of boilers and pressure vessels in power plants, including coal, natural gas, and nuclear facilities.

Manufacturing: In manufacturing, boilermakers work on the fabrication and assembly of large metal structures and components, such as tanks and heat exchangers.

Oil and Gas: The oil and gas industry requires boilermakers for constructing and maintaining storage tanks, pipelines, and other equipment used in extraction and processing.

Shipbuilding: Boilermakers are employed in the shipbuilding industry to construct and repair boilers and other critical components of marine vessels.

Construction: Boilermakers work on-site in construction projects, assembling and installing boilers and pressure vessels in various structures.

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Introduction to Boilermaker Trade	4	9
Knowledge Module	Boilermaker Tools, Equipment, Machines and Materials	4	10
Knowledge Module	Fabrication and Pipework	4	23
Knowledge Module	Assembling and joining	4	14
Knowledge Module	Cutting and Welding	4	20
Knowledge Module	Boilermaker's Drawings	4	9
	Total credits for Knowledge Modules		85

Practical Skill Module	Visualise structures and components and develop templates according to set tolerances and/or standards whilst applying safety measures	4	18
Practical Skill Module	Maintain and use tools, equipment and machinery	4	15
Practical Skill Module	Weld and gas cut components required for fabrication of specific tasks such as metal pipes, construction and fabricated plate work and conduct visual and mechanical inspections for compliance with legal requirements	4	28
Practical Skill Module	Accurately manipulate and fabricate profiles and fabricate metal sections using heating and cold bending processes whilst applying safety measures	4	41
Practical Skill Module	Accurately erect, assemble and repair metal structures whilst applying safety measures	4	28
	Total credits for Practical Skill Modules		130
Work Experience Module	Pattern and template development processes	4	30
Work Experience Module	Tools, equipment and machinery maintenance and operation processes	4	30
Work Experience Module	Workshop or on-site cutting and welding processes	4	43
Work Experience Module	Fabrication, assembling and repairing of metal components and structures	4	43
Work Experience Module	Assembling and erecting of structures and components	4	34
	Total credits for Work Experience Modules		180
ARTICULATION OPTIONS			

This qualification provides opportunities for the following articulation options.

Horizontal Articulation:

- Occupational Certificate: Fitter and Turner, NQF Level 4.
- National Certificate: Vocational, NQF Level 4.

Vertical Articulation:

- Occupational Certificate: Production Supervisor, NQF Level 5.

Diagonal Articulation:

- National Certificate: Vocational, NQF Level 3.

No	Programme and NQF Level	Admission Requirements
8.	Occupational Certificate: Diesel Mechanic NQF Level 4	NQF Level 1 or passed Grade 9 with Mathematics and Science or Recognition of Prior Learning (RPL).

Qualified students will be able to work in:

Transportation and Logistics: Diesel mechanics are in high demand in the trucking industry, maintaining and repairing heavy-duty trucks and trailers for freight transportation.

Construction: Many construction companies rely on diesel-powered machinery, such as excavators, bulldozers, and loaders, requiring skilled mechanics for maintenance and repair.

Marine Industry: Diesel mechanics can work on boats and ships, maintaining and repairing engines and other diesel-powered equipment used in maritime operations.

Agriculture: Agricultural equipment, such as tractors and harvesters, often uses diesel engines, providing opportunities for mechanics in farming and agribusiness.

Public Transportation: Diesel mechanics can work with public transportation systems, maintaining buses and other diesel-powered vehicles used in urban transit

Compulsory knowledge and practical skill modules

Module Type	Module Title	NQF Level	Credits
Knowledge Module	Workplace fundamentals	2	9
Knowledge Module	Foundational concepts for mechanics	2	14

Knowledge Module	Vehicle and equipment fundamentals	2	8
Knowledge Module	Basic engine systems	2	8
Knowledge Module	Vehicle, equipment and propulsion systems	3	13
Knowledge Module	Electrical systems and basic electronic, hydraulic and pneumatic principles	3	16
Knowledge Module	Advanced vehicle and equipment systems	4	30
Knowledge Module	Problem solving and engine optimization	4	10
	Total credits for Knowledge Modules		108
Practical Skill Module	Work safely and respond to emergencies	2	6
Practical Skill Module	Use tools and equipment	2	20
Practical Skill Module	Cut and join metals	2	5
Practical Skill Module	Remove and install mechanical components (gaskets, seals, bearings and locking devices)	2	6
Practical Skill Module	Work with auto-electric and auto-electronic components	2	2
Practical Skill Module	Work with fluid power components	2	2
Practical Skill Module	Maintain and service vehicles and vehicle components	2	5
Practical Skill Module	Dismantle, assess and reassemble engines and engine sub-assemblies	3	24
Practical Skill Module	Dismantle, assess and reassemble vehicle sub-assemblies	3	20

Practical Skill Module	Remove, test, repair and refit engines and vehicle components	3	15
Practical Skill Module	Diagnose and repair vehicle systems	4	30
Practical Skill Module	Diagnose and repair electrical systems	4	12
Practical Skill Module	Diagnose and repair electronically controlled vehicle systems	4	15
	Total credits for Practical Skill Modules		162
Work Experience Module	Routine scheduled services	2	16
Work Experience Module	Removal and replacement of engine sub-system components (including batteries)	3	16
Work Experience Module	Removal and replacement of other vehicle sub-system components	3	20
Work Experience Module	Engine removal and installation processes	3	18
Work Experience Module	Repair processes for vehicle sub-systems	3	74
Work Experience Module	Diagnosis and repair of electrical systems (charging, starting, lighting and auxiliary)	4	18
Work Experience Module	Diagnosis and repair of electronic control systems	4	18
Work Experience Module	Diagnosis and repair of engines and engine sub-systems	4	18
Work Experience Module	Diagnosis and repair of hydraulic and pneumatic systems	4	18
Work Experience Module	Diagnosis and repair of brake systems	4	18
Work Experience Module	Diagnosis and repair of train systems	4	18

Work Experience Module	Diagnosis and repair of steering and suspension systems	4	18
	Total credits for Work Experience Modules		270

ARTICULATION OPTIONS

This qualification has the following articulation possibilities.

Horizontal Articulation:

- Further Education Training Certificate: Diesel Electric and Electric Fitting, NQF Level 4.

Vertical Articulation:

- Diploma: Diesel Mechanic, NQF Level 5.

No	Programme and NQF Level	Admission Requirements
9.	Occupational Certificate: Solar Photovoltaic Standalone Installer NQF Level 4	NQF Level 3 or passed Grade 11 with Mathematics and Science or Recognition of Prior Learning (RPL).

Qualified students will be able to work in:

Qualified students will be competent to work in the renewable energy sector, specifically within the solar photovoltaic (PV) installation and maintenance industry. They will possess the practical skills and theoretical knowledge required to install, commission, and maintain standalone solar PV systems that operate independently from the national electricity grid.

Students who complete this qualification will be able to work as **Solar PV Installers, Solar Technicians, Renewable Energy Technicians, or Electrical Installers** within both residential and commercial environments. They may find employment with solar energy companies, electrical contractors, renewable energy service providers, or work independently as accredited installers.

Their work settings may include:

- Rural or remote areas where standalone solar systems are commonly used.
- Residential properties, small businesses, farms, schools, and community centres using off-grid energy solutions.
- Renewable energy enterprises involved in the design, installation, and servicing of solar PV systems.
- Government or non-governmental organizations implementing solar electrification projects.

In addition, qualified students will contribute to South Africa's broader goals of sustainable energy generation, energy access in underserved areas, and environmental conservation through the promotion of clean, renewable energy technologies.

Compulsory knowledge and practical skill modules

Module Type	Module Title	Level	Credits
Knowledge Module	Workplace fundamentals	4	9
Knowledge Module	Tools equipment and materials	4	7
Knowledge Module	Electricity and electronics	4	18
Knowledge Module	Wireways wiring and earthing	4	11
Knowledge Module	Electrical supply systems and transformers	4	9
Knowledge Module	Protection systems and lightning protection	4	8
Knowledge Module	Renewable energy	4	3
Knowledge Module	Components of PV systems	4	20
	Total credits for Knowledge Modules		85
Practical Skill Module	Mitigate and respond to hazards associated with PV system installation and maintenance	4	8
Practical Skill Module	Work at heights	4	4
Practical Skill Module	Use tools measuring instruments and equipment	4	7
Practical Skill Module	Design construct and test electrical and electronic circuits	4	4

Practical Skill Module	Plan and prepare for the installation of a PV system	4	10
Practical Skill Module	Install the mechanical components of a PV system	4	10
Practical Skill Module	Install the electrical components of a PV system and inter-connect the system	4	15
	Total credits for Practical Skill Modules		58
Work Experience Module	Structured planning and communication processes in the workplace	4	4
Work Experience Module	Processes to plan and prepare for installation and commissioning of PV systems	4	22
Work Experience Module	Processes to install mechanical components of PV systems	4	15
Work Experience Module	Processes to install electrical components of PV systems and to commission the systems	4	27
	Total credits for Work Experience Modules		68

ARTICULATION OPTIONS

This qualification allows possibilities for both vertical and horizontal articulation.

Horizontal Articulation:

- Occupational Certificate: Low Voltage Power Line Construction Practitioner, NQF Level 4.

Vertical Articulation:

- Occupational Certificate: Solar Photovoltaic Service Technician, NQF Level 5.
- Higher Certificate in Renewable Energy Technologies, NQF Level 5.

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