

1.8 Transport and Logistics Level 2 - 4

- The purpose of the programme to provide qualifiers with the necessary knowledge, Skills, and applied competency to manage logistics in an enterprise and in an integrated manner.
- The programme focuses on lower and middle management.
- Emphasis is placed on distribution with brief reference also to procurement and production.
- People working in an environment where customer service, warehousing, inventory management, transport management, materials management, and order processing is of particular importance, would benefit from this programme.

Entry Requirements

- English grade 9 with 50% pass
- Mathematical literacy – 30%
- Life Orientation grade 9 with 40% pass

Vocational Subjects:

Level 2	Level 3	Level 4
<ul style="list-style-type: none">• Entrepreneurship• Freight Logistics• Transport Economics• Transport Operations	<ul style="list-style-type: none">• Freight Logistics• Project Management• Transport Economics• Transport Operations	<ul style="list-style-type: none">• Freight Logistics• Project Management• Transport Economics• Transport Operations

Career Paths

- Logistics and Distribution
- Transportation
- Purchasing
- Warehousing
- Materials
- Strategic Planning
- Inventory Control
- Sales and Marketing in warehousing, Logistics and Freight Transport

Career Opportunities

- Career Opportunities in transport industry
- Career in the transport passage industry
- Maritime brokers in agents
- A variety of careers in airline and rail transport
- Career possibility in banking and finance
- A career opportunity in logistic planning and analysis
- Career opportunities in information systems and control
- Career opportunities in supply chain management
- Career opportunities in Manufacturing Enterprise, Wholesalers and Distributors

1.9 Robotics NC(V) Level 2 - 4

The National Certificate (Vocational) offers Grade 9 students a vocational alternative to an academic Grade 10 -12 by offering specialised training on NQF Levels 2 - 4. You will qualify with a specialised NQF Level 4 certificate that will enable you to gain a solid foundation and essential skills in programming with a special focus on robotics and industrial automation, engineering graphics and electronic concepts; skills that are required in the fields of, inter alia, manufacturing automation, vehicle autonomy, security device hardware, infrastructure automation and IoT (internet of things).

Entry Requirements

- Mathematics grade 9 with 50% pass
- English grade 9 with 50% pass

Vocational Subjects:

LEVEL 2	LEVEL 3	LEVEL 4
<ul style="list-style-type: none">• Electronics and Digital Concepts for Robotics• Robotics Fundamentals• Basic Principles of Computer Programming and Computer Literacy• Engineering Graphics and Technology	<ul style="list-style-type: none">• Electronics and Digital Concepts for Robotics• Introduction to Robotics• Introduction to Technical Programming• Engineering Graphics and Design	<ul style="list-style-type: none">• Electronics and Digital Concepts for Robotics• Robotics and Industrial Automation• Technical Programming• Mechanical Draughting and Technology

CAREER OPPORTUNITIES

This qualification is the first step towards a career path in one of the following:

- IT Technician
- IoT Operator/Device manager
- IT hardware installer
- Technical programmer

2. REPORT 191 / NATED N4 – N6

Entry Requirements:

- National Senior Certificate (NSC)/ N3 or
- Grade 12 Certificate or equivalent and
- National Certificate (Vocational) [NC(V)] Level 4

Duration: Three years

Students register two times in the year (semester); January and July

Course Structure:

- 18 Months (N4 – N6) Theory
- 18 Months of Practical Experience

Qualification: Diploma

Campus Spread

PROGRAMME OFFERED	LEVEL	DOBSONVILLE	GEORGE TABOR CAMPUS	ROODEPOORT CAMPUS	TECHNISA CAMPUS (Open Distance eLearning) [ODEL]
Clothing production	N4 – N6		✓		
Hospitality & Catering Services	N4 – N6			✓	
Popular Music	N4 – N6	✓			
Tourism	N4 – N6		✓		✓

2.1 Clothing Production N4 – N6

2.1.1. Introductory Clothing Production N4

INTRODUCTION
<ul style="list-style-type: none">• Introductory Clothing Construction• Introductory Factory Organization• Introductory Fashion Drawing• Introductory Pattern Construction

2.1.2. Clothing Production N4 - N6

N4	N5	N6
<ul style="list-style-type: none">• Clothing Construction• Entrepreneurship & Business Management• Fashion Drawing• Pattern Construction	<ul style="list-style-type: none">• Clothing Construction• Computer Practice N4• Fashion Drawing• Pattern Construction	<ul style="list-style-type: none">• Clothing Construction• Computer Practice N5• Fashion Drawing• Pattern Construction

2.2 Hospitality & Catering Services N4 – N6

N4	N5	N6
<ul style="list-style-type: none">• Sanitation & Safety• Applied Management• Catering Theory & Practical• Nutrition & Menu Planning	<ul style="list-style-type: none">• Applied Management• Catering Theory and Practical• Food & Beverage Service• Entrepreneurship and• Business Management N4	<ul style="list-style-type: none">• Applied Management• Catering Theory and Practical• Communication and Human Relations• Computer Practice N4

2.3 POPULAR MUSIC N4 – N6

(Composition, Performance, and Studio Work) N4 – N6

NB: All prospective students who wish to register for Popular Music will be subjected to an interview process (knowledge testing or background)

2.3.1 Popular Music: Composition N4 – N6

N4	N5	N6
<ul style="list-style-type: none">• Arranging and Production• Electronic Music and Keyboard Technique• Harmony and Composition• Music Business and Styles	<ul style="list-style-type: none">• Arranging and Production• Electronic Music and Keyboard Technique• Harmony Composition• Music Business and Styles	<ul style="list-style-type: none">• Arranging and Production• Electronic Music and Keyboard Technique• Harmony and Composition• Music Business and Styles

2.3.2 Popular Music: Performance N4 - N6

N4	N5	N6
<ul style="list-style-type: none">• Aural and Ensemble• Improvisation• Music Business and styles	<ul style="list-style-type: none">• Aural and Ensemble• Improvisation• Music Business and styles	<ul style="list-style-type: none">• Aural and Ensemble• Improvisation• Music Business and styles
Practical instrument on One of the following:	Practical instrument on One of the following:	Practical instrument on One of the following:
<ul style="list-style-type: none">• Vocal, guitar, piano/• Keyboard, bass, guitar, drums/• Percussion, woodwind, brass	<ul style="list-style-type: none">• Vocal, guitar, piano/• Keyboard, bass, guitar, drums/• Percussion, woodwind, brass	<ul style="list-style-type: none">• Vocal, guitar, piano/• Keyboard, bass, guitar, drums/• Percussion, woodwind, brass

2.3.3 Popular Music: Studio Work N4 – N6

N4	N5	N6
<ul style="list-style-type: none">• Arranging and Production• Electronic Music and Keyboard Technique• Music Business and Styles• Sound Engineering	<ul style="list-style-type: none">• Arranging and Production• Electronic Music and Keyboard Technique• Music Business and Styles• Sound Engineering	<ul style="list-style-type: none">• Arranging and Production• Electronic Music and Keyboard Technique• Music Business and Styles• Sound Engineering

2.4 TOURISM N4 – N6

Entry Requirements:

- An NQF level 4 qualification i.e. National Senior Certificate/ N3
- Pass NC (V) level 4 Tourism
- An equivalent qualification

N4	N5	N6
<ul style="list-style-type: none">• Computer Practice• Tourism Communication• Tourist Destination• Travel office procedures• Travel Services	<ul style="list-style-type: none">• Tourism Communication• Tourist Destination• Travel office Procedures• Travel Service	<ul style="list-style-type: none">• Hotel Reception• Tourist Destination• Travel office Procedures• Travel Service

Examinations:

Examinations are written in June and November of each year. Tourist Destinations and Tourist communication are both open-book examination

Pass Requirements:

A pass mark of 50% must be obtained in each subject except in travel Services where a pass mark of 60% on N4 and N5 level is required. The pass mark for travel Services at N6 is 70%.



SOUTH WEST GAUTENG TECHNICAL AND VOCATIONAL™
EDUCATION AND TRAINING COLLEGE
EDUCATION OF DISTINCTION

UTILITY STUDIES

NATIONAL CERTIFICATE (VOCATIONAL) [NC(V)]

AND REPORT 191 / NATED



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REPUBLIC OF SOUTH AFRICA

1. National Certificate Vocational [NC(V)] Level 2 - 4

These vocational programmes are high skills and high quality. They are intended to directly respond to the priority skills demands of the modern economy.

Entry Requirements:

- A year-end report for a passed Grade 9, Grade 10, and Grade 11
- An NQF Level 1 qualification; or
- ABET Level 4

Fundamental compulsory Subjects in all Programmes:

- English First Additional Language
- Mathematics
- Mathematical Literacy
- Life Orientation and Computer Literacy

Campus Spread:

PROGRAMME OFFERED	LEVEL	GEORGE TABOR CAMPUS	ROODEPOORT CAMPUS	TECHNISA CAMPUS	LAND IS WEALTH FARM
Education and Development	2 - 4		✓		
Hospitality	2 – 4		✓		
Information Technology & Computer Science (ITC)	2 – 4	✓			
Primary Agriculture	2 – 4				✓
Primary Health	2 – 4		✓		
Safety In Society	2 – 4	✓			
Robotics	2 – 4	✓			
Tourism	2 – 4	✓		✓	
Transport and Logistics	2 – 4	✓			

Duration: Three-year (NC(V) level 2 - 4)

Course structure: One year per NQF level

1.1 Education and Development NC(V) Level 2 - 4

- Education and Development NC(V) is a qualification at each of the Levels 2,3 and 4 of the NQF.
- This qualification is designed to provide both the theory and practice of education and Development.
- The practical component of the study may be offered in a real workspace environment.
- It will provide students with an opportunity to experience a workspace environment.
- It will provide students with the opportunity to experience work situations during the period of study

Vocational Subjects:

Level 2	Level 3	Level 4
<ul style="list-style-type: none">• Art and Science of Teaching• Human and Social Development• Learning Psychology• Early Child Development	<ul style="list-style-type: none">• Art and Science of Teaching• Human and Social Development• Learning Psychology• Early Child Development	<ul style="list-style-type: none">• Art and Science of Teaching• Human and Social Development• Learning Psychology• Early Child Development

Career Paths

- Work in the educational sector e.g Schools, Early Childhood Development Centres, Creches ;etc.
- Work in hospitals, Nursing Homes, Hospices, and Community Centres
- Provide services in private homes; e.g. Au pair, childminding, etc.

Career Opportunities

- Teachers Aide Assisting Professional educators
- Community education aide assisting professionals in the field
- Early childhood care and development aide in community institutions and private homes
- Corporate care centres (In house)
- Special needs learning centres

1.2 Hospitality NC(V) Level 2 - 4

- Hospitality Studies provide the students with theoretical and practical skills to operate as a cook, waitron, or accommodation assistant in various hospitality establishments.
- This programme will also include some client service and human relations skills.
- This programme integrates academic knowledge and theory with practical skills and values.

Vocational Subjects:

Level 2	Level 3	Level 4
<ul style="list-style-type: none">• Client Services and Human Relations• Food Preparation• Hospitality Generics• Hospitality Services	<ul style="list-style-type: none">• Client Services and Human Relations• Food Preparation• Hospitality Generics• Hospitality Services	<ul style="list-style-type: none">• Client Services and Human Relations• Food Preparation• Hospitality Generics• Hospitality Services

Career Paths

- Manage a Guest House
- Work at Hotel/Motel
- Work as an assistant cook / chef preparing food in a restaurant, hotel, or guest house
- Work as a waitron
- Work as a housekeeper in a hotel/inn/ guesthouse

Career opportunities

- House Keeping
- Waitron
- Hotel Manager
- Bar Tender
- Hotel Keeper - Management
- Chef
- Events Management
- Accommodation Services
- Food & Beverages Management

1.3 Information Technology & Computer Science (ITC) NC(V) Level 2 - 4

- This programme the interpretation of software applications, as well as the installation of network cables together with information technology principles and data processing.
- This programme integrates academic knowledge and theory with practical skills and values.

Entry Requirements

- Mathematics grade 9 with 50% pass
- English grade 9 with 50% pass

Vocational Subjects:

Level 2	Level 3	Level 4
<ul style="list-style-type: none">• Introduction to information system• Electronics• Introduction to Systems Development	<ul style="list-style-type: none">• Computer Hardware and Software• Principles of Computer Programming• Systems Analysis and Design	<ul style="list-style-type: none">• Computer Programming• Data Communication and networking• Systems Analysis and Design
and one of the following	and one of the following	and one of the following
<ul style="list-style-type: none">• Electronics Control and Digital Electronics• Multimedia Basics	<ul style="list-style-type: none">• Multimedia content• Project Management	<ul style="list-style-type: none">• Multimedia Service• Project Management

Career Paths

- Test Programmes and software applications
- Install network cables for computer system
- Process computer data
- Develop, research and document computer user requirements

Career opportunities

- Computer Programming
- Information Technology Management
- Computer Systems Engineering
- Data Processing
- Electronics
- Contact Centre Operator

1.4 Primary Agriculture NC(V) Level 2 - 4

- This programme is design to provide both the theory and practice of education and Development.
- The practical component of the study may be offered in a real work space environment.
- It will provide students with the opportunity to experience work situations during the period of study

Entry Requirements

- Mathematics grade 9 with 50% pass
- English grade 9 with 50% pass

Vocational Subjects:

Level 2	Level 3	Level 4
<ul style="list-style-type: none">• Agri-business• Animal Production• Plant Production• Soil Science	<ul style="list-style-type: none">• Agri-business• Animal Production• Plant Production• Soil Science	<ul style="list-style-type: none">• Advanced Plant Production• Agri-business• Animal Production• Farm Planning and Mechanisation

Career Paths

- Advise farmers on farming techniques / methods
- Work at a nursery, botanical garden etc.
- Work at a company, advising farmers on management of finances
- Advise farmers on marketing, advertising and selling agricultural products
- Work as a production planner for crops and animal enterprises
- Plant and animal production.

Career opportunities

- Agricultural Economics
- Agricultural Food Science
- Agricultural Science
- Agricultural Bookkeeper
- Farm Management
- Forester
- Botanist
- Horticulturist
- Viticulture

1.5. Primary Health NC(V) Level 2 - 4

- This qualification is designed to provide the student with both theoretical and practical experience offered in a simulated environment or in a real workplace.
- It is a SAQA-registered qualification Framework (NQF).
- A student is issued with a certificate (Vocational): Primary Health at each level which can be used to pursue other health-related programmes.

Vocational Subjects:

Level 2	Level 3	Level 4
<ul style="list-style-type: none">• Community Orientated Primary Care• Public Health• The Human Body and Mind• The South African Health Care System	<ul style="list-style-type: none">• Community Oriented Primary Care• Public Health• The Human Body and Mind• The South African Health Care System	<ul style="list-style-type: none">• Community Orientated Primary Care• Public Health• The Human Body and Mind• The South African Health Care System

Career Path

- Nursing
- Community Care Workers
- Social Worker
- Physiotherapy
- Counseling
- Occupational health and safety
- Occupation therapy
- Practicing in clinics and Health support services.
- Supporting the Department of Health Programmes.

Career Opportunities

- A generic, Academic educational platform for entry into higher education
- Opportunities to enter a career path on level 5 mid-level and other professional programmed in nursing, medicine, physiotherapy, forensic and radiology
- Matriculants with inadequate results in life science and physical science get an opportunity to enter into a health programme.
- Accurate to other health support careers.

Please Note: This is not a nursing qualification

1.6. Safety in Society NC(V) Level 2 - 4

- Safety in Society NC(V) programme is designed to provide both the theory and practice of safety in society.
- The practical component of the study may be offered in a real workplace environment or simulated workplace environment.
- It will provide students with an opportunity to experience work situations during the period of study.

Entry Requirement

- A Minimum of 17 years, not older than 25 years
- South African Citizen
- No Criminal Records
- Medical Fit
- Good Physical fitness
- Psychometric Test
- No Tattoos

Vocational Subjects:

Level 2	Level 3	Level 4
<ul style="list-style-type: none">• Introduction to Governance• Introduction to Law• Introduction to Policing Practices• Principles to Criminal Justice	<ul style="list-style-type: none">• Criminal Justice Structure and Mandates• Criminal Law• Governance• Theory of policing Practices	<ul style="list-style-type: none">• Applied Policing• Criminal Justice Process• Governance• Law Procedures and Evidence
Optional	Optional	Optional
<ul style="list-style-type: none">• Criminology	<ul style="list-style-type: none">• Criminology	<ul style="list-style-type: none">• Criminology

Career paths

- Join the police service e.g the SAPS
- Traffic Agencies and Military Police Division
- Join Private Security Services (e.g. Security Management)
- Community Policing and South African National Defense Force (SANDF)
- Join the National Statutory Intelligence Agencies
- Immigration and Customs
- Work in a civil and Human Rights Environment

Career Opportunities

- South African Police Services
- Security and Surveillance
- Private Security
- Community policing
- National Intelligence
- Legal assistance
- Work in Community structures
- Correctional Services
- South African National Defense Force
- Criminal Justice Environment and matters related to advocacy of the South African Constitution

1.7 Tourism NC(V) Level 2 - 4

This certificate will provide access to the following employment opportunities: Conference and Events Planner, Tourism Development Officer, Transportation Manager, Travel Counsellor, Game Ranger, Adventure Guide, Safari Operator.

Entry Requirements

- English grade 9 with 40% pass
- Life Orientation grade 9 with 40% pass

Vocational Subjects:

Level 2	Level 3	Level 4
<ul style="list-style-type: none">• Client Services and Human Relations• Science of Tourism• Sustainable Tourism in SA• Tourism Operations	<ul style="list-style-type: none">• Client Services and Human Relations• Science of Tourism• Sustainable Tourism in SA and Regional Travel• Tourism Operations	<ul style="list-style-type: none">• Client Services and Human Relations• Science of Tourism• Sustainable Tourism in SA and International Travel• Tourism Operations

Career paths

- Work as a tour guide
- Own a tourism business
- Drive Tourists around
- Work at a hotel
- Work at a casino
- Provide an opportunity to Market South Africa
- Work at a game reserve etc.

Career Opportunities

- Conference and Events Planner
- Tourism Development Officer
- Transportation Manager
- Travel Counselor
- Game Ranger
- Adventure Guide
- Safari Operator