WHAT IS THE NATIONAL CERTIFICATE (VOCATIONAL) [NC(V)] QUALIFICATION?

NC(V) is the vocational programme offered at Level 2-4 of the National Qualifications Framework (NQF) and is offered by all public TVET Colleges countrywide. The qualification is intended to directly address the priority skills demands of the modern South African economy.

The NC(V) Qualification is designed to provide both theory and practice, thus granting students an opportunity to gain work experience during their period of study. Practical experience may be gained in either a simulated or real workshop environment.

WHICH NC(V) PROGRAMMES ARE OFFERED BY ORBIT COLLEGE?

Engineering-related & ICT Field:
• Engineering and Related Design (Fitting and Turning OR Fabrication OR Automotive Repair and Maintenance)
• Electrical Infrastructure Construction
• Civil Engineering and Building Construction (Carpentry & Roof Work OR Masonry)
• Information Communication Technology and Computer Science
• Information Communication Technology and Computer Science (Programming & Robotics)

Business-related Field:
• Finance, Economics and Accounting
• Office Administration

Services-related Field:
• Tourism
• Hospitality (Accommodation, Events and Catering Services)
• Transport and Logistics

PRE-VOCATIONAL LEARNING PROGRAMME (PLP)

This programme is designed to assist candidates who do not meet the minimum APS score required for entry into the NC(V) Programmes. Candidates are referred to study PLP in order to improve their subject achievement levels. The period of completion is one year. The programme consists of the following subjects:
• English
• Mathematics
• Science
• Life Skills (including Technology)

CURRICULUM

Each NC(V) Qualification has a total of 7 SUBJECTS per NQF Level

Three of these subjects are called FUNDAMENTAL SUBJECTS, i.e. they are common for all learning fields and are COMPULSORY. The Fundamental Subjects are:
• Life Skills & Computer Literacy
• English 1st Additional Language
• Mathematics (Engineering & ICT fields) OR Mathematical Literacy (Business & Services fields)

Umalusi recognises the credit transfer between the NSC and the NC(V) in the following subjects:
• English Home Language or FAL (passed at 40% and above)
• Mathematics (passed at 30% and above)
• Mathematical Literacy (passed at 30% and above)
• Physical Science (passed at 50% and above)

It is important to note that this concession applies only to the National Senior Certificate (NSC) and NOT to its predecessor, the Senior Certificate (SC)

The other four subjects per NQF level are called VOCATIONAL SUBJECTS and these are aimed at preparing students for the world of work within the field of their choice. A specialisation vocational subject (Elective) forms part of the 4 vocational subjects in some qualifications, allowing a student to specialise in a specific sub-field.

CAREER PATHING

NQF LEVEL 2
↓
NQF LEVEL 3
↓
NQF LEVEL 4

Join the workplace or become self-employed ←
Enter Higher Education (University/University of Technology) ←

→ NQF LEVEL 5

NATIONAL SENIOR CERTIFICATE (GRADE 12)   NQF LEVEL 4   **NATIONAL CERTIFICATE (VOCATIONAL)**

The National Senior Certificate and the National Certificate (Vocational) are registered on the same NQF Level (NQF L4), but serve different purposes

PURPOSE OF QUALIFICATION

• Equip learners with skills, knowledge and values for self-fulfillment and meaningful participation in society
• Facilitate transition to the workplace
• Provide access to further education

• Equip learners with practical skills, applied competence and knowledge required for employment in a particular occupation or trade
• Facilitate transition to the workplace
• Provide access to further education

YEARS TO COMPLETE

• Grade 10
• Grade 11
• Grade 12

Each grade takes minimum one year

• NC(V) Level 2
• NC(V) Level 3
• NC(V) Level 4

Each level takes minimum one year

TO OBTAIN THE QUALIFICATION

Register for 7 subjects:
• Home Language
• First Additional Language
• Maths/Maths Literacy
• Life Orientation
• 3 subjects chosen from 1 of the 12 organising fields of learning including Agriculture, Services and Human and Social Studies

Register for 7 subjects:
• 1 Official language
• Life Orientation
• Maths/Maths Literacy
• 4 subjects chosen from 1 of the 19 learning programmes including Engineering, Finance, IT, Tourism, etc

PASS REQUIREMENTS

• To obtain the qualification one must pass at least 6 subjects

40% minimum in 3 subjects including Home Language
30% minimum in 3 subjects

• To obtain the qualification one must pass 7 subjects

40% in required official language
30% minimum in Maths/Maths Literacy

40% in Life Orientation
50% minimum in each of 4 vocational subjects

WHERE IT IS OFFERED

Public Schools or Independent Schools accredited by Umalusi

Public or Private Technical and Vocational Education and Training (TVET) colleges accredited by Umalusi

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SAQA   CHE   QCTO   UMALUSI   higher education & training   basic education   government communications

Source: www.saqa.org.za

NATIONAL CERTIFICATE (VOCATIONAL) NQF LEVEL 2 - 4

ENGINEERING-RELATED & ICT PROGRAMMES					
PROGRAMME	**SUBJECTS**			**CAMPUS**	**Possible Career Opportunities**
	LEVEL 2	LEVEL 3	LEVEL 4		
FUNDAMENTAL SUBJECTS	The following subjects are compulsory for each level and applicable in all NC(V) Engineering-related & ICT Programmes: • English 1st Additional Language • Mathematics • Life Skills & Computer Literacy				
VOCATIONAL SUBJECTS					
ENGNEERING & RELATED DESIGN (Fitting & Turning/ Fabrication/ Automotive Repair & Maintenance)	• Engineering Fundamentals • Engineering Technology • Engineering Systems • Fitting & Turning OR • Engineering Fabrication (Boilermaking) OR • Automotive Repair & Maintenance	• Engineering Practice & Maintenance • Materials Technology • Engineering Graphics & Design (CAD) • Fitting & Turning OR • Engineering Fabrication (Boilermaking) OR • Automotive Repair & Maintenance	• Engineering Process • Professional Engineering Practice • Applied Engineering Technology • Fitting & Turning OR • Engineering Fabrication (Boilermaking) OR • Automotive Repair & Maintenance	**M** **R** Automotive Repair and Maintenance option only available at Mankwe Campus	• Aerospace Engineering • Mining Metallurgy • Geology • Industrial Engineering • Chemical Engineering • Petroleum Engineering • Engineering & Related Design
ELECTRICAL INFRASTRUCTURE CONSTRUCTION	• Electrical Principles & Practice • Electronic Control & Digital Electronics • Workshop Practice • Electrical Systems & Construction	• Electrical Principles & Practice • Electronic Control & Digital Electronics • Electrical Systems & Construction • Electrical Workmanship	• Electrical Principles & Practice • Electronic Control & Digital Electronics • Electrical Workmanship • Electrical Systems & Construction	**B** **M** **R**	• Electrical Engineering • Digital Electronics • Theatre Technology • Electrician • Instrumentation • Sound Technology
CIVIL ENGINEERING & BUILDING CONSTRUCTION (Masonry/Carpentry & Roofwork)	• Construction Planning • Plant & Equipment • Materials • Carpentry & Roof Work OR • Masonry	• Construction Planning • Plant & Equipment • Materials • Carpentry & Roof Work OR • Masonry	• Construction Planning • Construction Supervision • Materials • Carpentry & Roof Work OR • Masonry	**B**	• Architectural Technology • Quantity Surveying • Building Construction • Industrial Designing • Town Regional Planning • Sanitation Engineering • Plumber • Carpenter
INFORMATION COMMUNI-CATION TECHNOLOGY AND COMPUTER SCIENCE	• Electronics • Introduction to Systems Development • Introduction to Information Systems • Multimedia Basics	• Systems Analysis and Design • Computer Hardware and Software • Principles of Computer Programming • Multimedia Content	• Systems Analysis and Design • Data Communication & Networking • Computer Programming • Multimedia Services	**R**	• Computer Programming • Computers Systems • Engineering • Information Technology • Management • Data Processing
PROGRAMMING & ROBOTICS	• Electronics & Digital Concept for Rbotics • Robotics Fundamentals • Basic Principles of Computer Programming & Computer Literacy • Engineering Graphics & Technology	• Electronics & Digital Concept for Rbotics • Introduction to Robotics • Introduction to Technical Programming	• Electronics & Digital Concept for Rbotics • Robotics & & Industrial Automation • Technical Programming • Mechanical Draughting	**R**	• Electromechanical technician • Mechanical engineer • Aerospace engineer • Robotics engineer • Software engineer • Computer Scientist
ADMISSION REQUIREMENTS	• Minimum Grade 9 year-end report (Must have passed Mathematics, NOT Mathematical Literacy) • An NQF Level 1 Qualification • Pre-Vocational Learning Programme (PLP) • All entry applicants must adhere to placement assessment criteria before admission	• NQF Level 2 in the specific programme	• NQF Level 3 in the specific programme		
DURATION	1 Year	1 Year	1 Year		

The College reserves the right to:
• Only offer programmes that are justified by student numbers
• Change the location/venue of the programme offering

B = BRITS **M** = MANKWE **R** = RUSTENBURG

SAY HELLO TO THE FUTURE

ORBIT TVET COLLEGE PIONEERING AI & ROBOTICS FOR TOMORROW'S WORKFORCE

NATIONAL CERTIFICATE (VOCATIONAL) NQF LEVEL 2 - 4

BUSINESS-RELATED PROGRAMMES

PROGRAMME	SUBJECTS LEVEL 2	SUBJECTS LEVEL 3	SUBJECTS LEVEL 4	CAMPUS	Possible Career Opportunities
FUNDAMENTAL SUBJECTS	The following subjects are compulsory for each level and applicable in all NC(V) Business-related Programmes: • English 1st Additional Language • Mathematical Literacy/ Mathematics • Life Skills & Computer Literacy				
VOCATIONAL SUBJECTS					
FINANCE, ECONOMICS & ACCOUNTING	• Economic Environment • New Venture Creation • Applied Accounting • Financial Management	• Economic Environment • New Venture Creation • Applied Accounting • Financial Management	• Economic Environment • New Venture Creation • Applied Accounting • Financial Management	B R	• Banking • Insurance Services • Private and Public Accounting • Financial Services • Investment Broking • Bookkeeping
OFFICE ADMINISTRATION	• Business Practice • Office Practice • Office Data Processing • New Venture Creation	• Business Practice • Office Practice • Office Data Processing • New Venture Creation	• Business Practice • Office Practice • Office Data Processing • Personal Assistance	B M R	• Accounting and Bookkeeping • Frontline Reception • Human Resource Management • Recruitment or Employment Agent • Office Management • Personnel Management • Legal Secretarial Services
ADMISSION REQUIREMENTS	• Minimum Grade 9 year-end report • An NQF Level 1 Qualification • Pre-Vocational Learning Programme (PLP) • All entry applicants must adhere to placement assessment criteria before admission	• NQF Level 2 in the specific programme	• NQF Level 3 in the specific programme	**The College reserves the right to:** • Only offer programmes that are justified by student numbers • Change the location/ venue of the programme offering	
DURATION	1 Year	1 Year	1 Year		

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NATIONAL CERTIFICATE (VOCATIONAL) NQF LEVEL 2 - 4

SERVICES-RELATED PROGRAMMES

PROGRAMME	SUBJECTS LEVEL 2	SUBJECTS LEVEL 3	SUBJECTS LEVEL 4	CAMPUS	Possible Career Opportunities
FUNDAMENTAL SUBJECTS	The following subjects are compulsory for each level and applicable in all NC(V) Services-related Programmes: • English 1st Additional Language • Mathematical Literacy/ Mathematics • Life Skills & Computer Literacy				
VOCATIONAL SUBJECTS					
TRANSPORT & LOGISTICS	• Freight Logistics • Transport Economics • Transport Operations • New Venture Creation	• Freight Logistics • Transport Economics • Transport Operations • New Venture Creation	• Freight Logistics • Transport Economics • Transport Operations • New Venture Creation	M	• Transport Systems Administration • Logistical Control • Transport Management • Logistics Management
TOURISM	• Client Services and Human Relations • Science of Tourism • Sustainable Tourism in South Africa • Tourism Operations	• Client Services and Human Relations • Science of Tourism • Sustainable Tourism in South Africa • Tourism Operations	• Client Services and Human Relations • Science of Tourism • Sustainable Tourism in South Africa • Tourism Operations	M	• Accommodation Management • Conference & Events Planning • Restaurant & Food Services • Tourism Development • Game Range and Safari Work • Transportation Management
HOSPITALITY (Accommodation, Catering & Event Services)	• Client Services and Human Relations • Food Preparation • Hospitality Generics • Hospitality Services	• Client Services and Human Relations • Food Preparation • Hospitality Generics • Hospitality Services	• Client Services and Human Relations • Food Preparation • Hospitality Generics • Hospitality Services	M	• Food & Beverage Management • Hotel Management • Accommodation Services • Events Management • Housekeeping
ADMISSION REQUIREMENTS	• Minimum Grade 9 year-end report • An NQF Level 1 Qualification • Pre-Vocational Learning Programme (PLP) • All entry applicants must adhere to placement assessment criteria before admission	• NQF Level 2 in the specific programme	• NQF Level 3 in the specific programme	**The College reserves the right to:** • Only offer programmes that are justified by student numbers • Change the location/ venue of the programme offering	
DURATION	1 Year	1 Year	1 Year		

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