



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HIGHER EDUCATION AND TRAINING NATIONAL CERTIFICATE (VOCATIONAL) QUALIFICATION NQF LEVELS 2, 3 & 4 MATRIX OF SUBJECTS

*NB: (O) = OPTIONAL SUBJECTS**

** OPTIONAL SUBJECTS CAN ALSO BE CHOSEN FROM ANY OTHER PROGRAMMES**

	Level 2 SAQA ID NO: 50440	Level 3 SAQA ID NO: 50442	Level 4 SAQA ID NO: 50441
<p>Fundamentals* <i>*Note: The 3 fundamental subjects are compulsory The 3 core vocational subjects are also compulsory A 4th vocational subject must be taken but can also be a vocational subject from another programme</i></p>	<ul style="list-style-type: none"> English/Afrikaans/IsiXhosa (First Additional language) Life Orientation Mathematics OR Mathematical Literacy 	<ul style="list-style-type: none"> English/Afrikaans/IsiXhosa (First Additional language) Life Orientation Mathematics OR Mathematical Literacy 	<ul style="list-style-type: none"> English/Afrikaans/IsiXhosa (First Additional language) Life Orientation Mathematics OR Mathematical Literacy
<p>1. Civil Engineering & Building Construction</p>	<ul style="list-style-type: none"> Construction Planning Materials Plant and Equipment Carpentry and Roof Work (O)* <p>OR</p> <ul style="list-style-type: none"> Concrete Structures (O)* 	<ul style="list-style-type: none"> Construction Planning Materials Plant and Equipment Carpentry and Roof Work (O)* <p>OR</p> <ul style="list-style-type: none"> Concrete Structures (O)* 	<ul style="list-style-type: none"> Construction Planning Materials Construction Supervision Carpentry and Roof Work (O)* <p>OR</p> <ul style="list-style-type: none"> Concrete Structures (O)*

	OR • Masonry (O)* OR • Physical Science(O)* OR • Plumbing (O)* OR • Roads (O)*	OR • Masonry (O)* OR • Physical Science (O)* OR • Plumbing (O)* OR • Roads (O)*	OR • Masonry (O)* OR • Physical Science (O)* OR • Plumbing (O)* OR • Roads (O)*
2. Drawing Office Practice	• Architectural Graphics and Technology • Civil and Structural Steel work Detailing • Engineering Graphics and Technology • Drawing Office Procedures and Techniques (O)*	• Architectural Graphics and Technology • Civil and Structural Steel work Detailing • Engineering Graphics and Design • Drawing Office Procedures and Techniques (O)*	• Architectural Graphics and Technology • Civil and Structural Steel work Detailing • Mechanical Draughting and Technology • Drawing Office Procedures and Techniques (O)*
3. Education and Development	• Art and Science of Teaching • Human and Social Development • Learning Psychology • Early Childhood Development (O)*	• Art and Science of Teaching • Human and Social Development • Learning Psychology • Early Childhood Development (O)*	• Art and Science of Teaching • Human and Social Development • Learning Psychology • Early Childhood Development (O)*
4. Electrical Infrastructure Construction	• Electrical Principles and Practice • Electronic Control and Digital Electronics • Workshop Practice • Electrical Systems and Construction (O)* OR • Physical Science (O)* OR • Renewable Energy Technologies (O)*	• Electrical Principles and Practice • Electronic Control and Digital Electronics • Electrical Workmanship • Electrical Systems and Construction (O)* OR • Physical Science (O)* OR • Renewable Energy Technologies (O)*	• Electrical Principles and Practice • Electronic Control and Digital Electronics • Electrical Workmanship • Electrical Systems and Construction (O)* OR • Physical Science(O)* OR • Renewable Energy Technologies (O)*
5. Engineering and Related Design	• Engineering Fundamentals • Engineering Systems	• Engineering Practice and Maintenance • Engineering Graphics and Design	• Engineering Processes • Applied Engineering Technology

	<ul style="list-style-type: none"> • Engineering Technology • Automotive Repair & Maintenance (O)* OR <ul style="list-style-type: none"> • Engineering Fabrication (O)* OR <ul style="list-style-type: none"> • Fitting and Turning(O) * OR <ul style="list-style-type: none"> • Physical Science (O)* OR <ul style="list-style-type: none"> • Refrigeration Principles (O)* OR <ul style="list-style-type: none"> • Welding (O)* 	<ul style="list-style-type: none"> • Materials Technology • Automotive Repair & Maintenance(O)* OR <ul style="list-style-type: none"> • Engineering Fabrication-Boiler making (O)* OR <ul style="list-style-type: none"> • Engineering Fabrication – Sheet Metal Work(O)* OR <ul style="list-style-type: none"> • Fitting and Turning(O)* OR <ul style="list-style-type: none"> • Physical Science (O)* OR <ul style="list-style-type: none"> • Refrigeration Practice (O)* OR <ul style="list-style-type: none"> • Welding (O)* 	<ul style="list-style-type: none"> • Professional Engineering Practice • Automotive Repair & Maintenance(O)* OR <ul style="list-style-type: none"> • Engineering Fabrication-Boiler making (O)* OR <ul style="list-style-type: none"> • Engineering Fabrication – Sheet Metal Work(O)* OR <ul style="list-style-type: none"> • Fitting and Turning(O)* OR <ul style="list-style-type: none"> • Physical Science (O)* OR <ul style="list-style-type: none"> • Refrigeration and Air-conditioning Processes (O)* OR <ul style="list-style-type: none"> • Welding (O)*
6. Finance, Economics and Accounting	<ul style="list-style-type: none"> • Applied Accounting • Economic Environment • Financial Management • New Venture Creation (O)* 	<ul style="list-style-type: none"> • Applied Accounting • Economic Environment • Financial Management • New Venture Creation (O)* 	<ul style="list-style-type: none"> • Applied Accounting • Economic Environment • Financial Management • New Venture Creation (O)*
7. Hospitality	<ul style="list-style-type: none"> • Client Services and Human Relations • Food Preparation • Hospitality Generics • Hospitality Services (O)* 	<ul style="list-style-type: none"> • Client Services and Human Relations • Food Preparation • Hospitality Generics • Hospitality Services (O)* 	<ul style="list-style-type: none"> • Client Services and Human Relations • Food Preparation • Hospitality Generics • Hospitality Services (O)*
8. Information Technology & Computer Science	<ul style="list-style-type: none"> • Electronics • Introduction to Information Systems • Introduction to Systems Development • Contact Centre Operations(O)* OR	<ul style="list-style-type: none"> • Computer Hardware and Software • Systems Analysis and Design • Principles of Computer Programming • Contact Centre Operations(O)* OR	<ul style="list-style-type: none"> • Data Communication and Networking • Systems Analysis and Design • Computer Programming • Contact Centre Operations(O)* OR

	<ul style="list-style-type: none"> • Multimedia Basics (O)* 	<ul style="list-style-type: none"> • Multimedia Content (O)* 	<ul style="list-style-type: none"> • Multimedia Service (O)*
9. Management	<ul style="list-style-type: none"> • Financial Management • Management Practice • Operations Management • Entrepreneurship (O) * 	<ul style="list-style-type: none"> • Financial Management • Management Practice • Operations Management • Project Management (O)* 	<ul style="list-style-type: none"> • Financial Management • Management Practice • Operations Management • Project Management (O)*
10. Marketing	<ul style="list-style-type: none"> • Advertising & Promotions • Marketing • Marketing Communication • Consumer Behaviour (O)* OR <ul style="list-style-type: none"> • Contact Centre Operations(O)* OR <ul style="list-style-type: none"> • Graphic Design (O)* OR <ul style="list-style-type: none"> • Wholesale and Retail(O)* 	<ul style="list-style-type: none"> • Advertising & Promotions • Marketing • Marketing Communication • Consumer Behaviour (O)* OR <ul style="list-style-type: none"> • Contact Centre Operations(O) OR <ul style="list-style-type: none"> • Graphic Design (O)* OR <ul style="list-style-type: none"> • Wholesale and Retail(O)* 	<ul style="list-style-type: none"> • Advertising & Promotions • Marketing • Marketing Communication • Consumer Behaviour (O)* OR <ul style="list-style-type: none"> • Contact Centre Operations(O)* OR <ul style="list-style-type: none"> • Graphic Design (O)* OR <ul style="list-style-type: none"> • Wholesale and Retail(O)*
11. Mechatronics	<ul style="list-style-type: none"> • Electro-technology • Introduction to Computers • Manual Manufacturing <ul style="list-style-type: none"> • Mechatronic Systems (O)* 	<ul style="list-style-type: none"> • Electro-technology • Stored Programme Systems • Machine Manufacturing <ul style="list-style-type: none"> • Mechatronic Systems (O)* 	<ul style="list-style-type: none"> • Electro-technology • Stored Programme Systems • Computer-Integrated Manufacturing <ul style="list-style-type: none"> • Mechatronic Systems (O)*
12. Office Administration	<ul style="list-style-type: none"> • Business Practice • Office Data Processing • Office Practice • 2nd Language (O)* OR <ul style="list-style-type: none"> • Applied Accounting (O)* OR <ul style="list-style-type: none"> • New Venture Creation(O)* 	<ul style="list-style-type: none"> • Business Practice • Office Data Processing • Office Practice • 2nd Language (O)* OR <ul style="list-style-type: none"> • Applied Accounting (O)* OR <ul style="list-style-type: none"> • New Venture Creation(O)* 	<ul style="list-style-type: none"> • Business Practice • Office Data Processing • Office Practice • 2nd Language (O)* OR <ul style="list-style-type: none"> • Applied Accounting (O)* OR <ul style="list-style-type: none"> • New Venture Creation(O)* OR <ul style="list-style-type: none"> • Personal Assistance L4 (O)*
13. Primary Agriculture	<ul style="list-style-type: none"> • Animal Production • Plant Production • Soil Science • Agri-business (O)* 	<ul style="list-style-type: none"> • Animal Production • Plant Production • Soil Science • Agri-business (O)* 	<ul style="list-style-type: none"> • Animal Production • Advanced Plant Production • Farm Planning and Mechanisation • Agri-business (O)*

14. Primary Health	<ul style="list-style-type: none"> • Public Health • The Human Body and Mind • The South African Health Care System • Community Oriented Primary Care (O)* • 	<ul style="list-style-type: none"> • Public Health • The Human Body and Mind • The South African Health Care System • Community Oriented Primary Care (O)* • 	<ul style="list-style-type: none"> • Public Health • The Human Body and Mind • The South African Health Care System • Community Oriented Primary Care (O)* •
15. Process Instrumentation	<ul style="list-style-type: none"> • Electronic Control and Digital Electronics • Engineering Fundamentals • Physical Science • Instrumentation Technology (O)* 	<ul style="list-style-type: none"> • Electronic Control and Digital Electronics • Engineering Practice and Maintenance • Physical Science • Instrumentation Technology (O)* 	<ul style="list-style-type: none"> • Electronic Control and Digital Electronics • Engineering Processes • Physical Science • Instrumentation Technology (O)*
16. Process Plant Operations	<ul style="list-style-type: none"> • Engineering Fundamentals • Physical Science • Process Technology • Process Chemistry (O)* <p>OR</p> <ul style="list-style-type: none"> • Pulp and Papermaking Technology (O)* 	<ul style="list-style-type: none"> • Process Control • Physical Science • Process Technology • Process Chemistry (O)* <p>OR</p> <ul style="list-style-type: none"> • Pulp and Papermaking Technology (O)* 	<ul style="list-style-type: none"> • Process Control • Physical Science • Process Technology • Process Chemistry (O)* <p>OR</p> <ul style="list-style-type: none"> • Pulp and Papermaking Technology (O)*
17. Safety in Society	<ul style="list-style-type: none"> • Introduction to Governance • Introduction to Law • Principles of Criminal Justice • Criminology (O)* <p>OR</p> <ul style="list-style-type: none"> • Introduction to Policing(O)* Practices(O)* 	<ul style="list-style-type: none"> • Governance • Criminal Law • Criminal Justice Structures and Mandates • Criminology (O)* <p>OR</p> <ul style="list-style-type: none"> • Theory of Policing Practices (O)* 	<ul style="list-style-type: none"> • Governance • Law of Procedures and Evidence • Criminal Justice Process <p>OR</p> <ul style="list-style-type: none"> • Criminology (O)* <p>OR</p> <ul style="list-style-type: none"> • Applied Policing (O)*
18. Tourism	<ul style="list-style-type: none"> • Client Services and Human Relations • Science of Tourism • Sustainable Tourism in SA 	<ul style="list-style-type: none"> • Client Services and Human Relations • Science of Tourism • Sustainable Tourism in SA 	<ul style="list-style-type: none"> • Client Services and Human Relations • Science of Tourism

	<ul style="list-style-type: none"> • Tourism Operations (O)* • 	<ul style="list-style-type: none"> • and Regional Travel • Tourism Operations (O)* 	<ul style="list-style-type: none"> • Sustainable Tourism in SA and International Travel • Tourism Operations (O)*
19. Transport and Logistics	<ul style="list-style-type: none"> • Freight Logistics • Transport Economics • Transport Operations • Entrepreneurship(O)* <p>OR</p> <ul style="list-style-type: none"> • New Venture Creation(O)* 	<ul style="list-style-type: none"> • Freight Logistics • Transport Economics • Transport Operations • Project Management(O)* <p>OR</p> <ul style="list-style-type: none"> • New Venture Creation(O)* 	<ul style="list-style-type: none"> • Freight Logistics • Transport Economics • Transport Operations • Project Management(O)* <p>OR</p> <ul style="list-style-type: none"> • New Venture Creation(O)*