



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 - 2015

*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* *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</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"> • Construction Planning • Construction Supervision • Materials • 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)*	• 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)*
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	<ul style="list-style-type: none"> • Engineering Fundamentals • Engineering Systems • 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"> • Engineering Graphics and Design • Engineering Practice and Maintenance • 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 ó Sheet Metal Worker(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"> • Applied Engineering Technology • Engineering Processes • 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 ó Sheet Metal Worker(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 • Multimedia Basics (O)* 	<ul style="list-style-type: none"> • Computer Hardware and Software • Principles of Computer Programming • Systems Analysis and Design • Multimedia Content (O)* 	<ul style="list-style-type: none"> • Computer Programming • Data Communication and Networking • Systems Analysis and Design • 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)* 	<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)* 	<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)*
11. Mechatronics	<ul style="list-style-type: none"> Electrotechnology Introduction to Computers Manual Manufacturing Mechatronic Systems (O)* 	<ul style="list-style-type: none"> Electrotechnology Machine Manufacturing Stored Programme Systems Mechatronic Systems (O)* 	<ul style="list-style-type: none"> Computer-Integrated Manufacturing Electrotechnology Stored Programme Systems 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"> Advanced Plant Production Animal Production Farm Planning and Mechanisation Agri-business (O)*
14. Primary Health	<ul style="list-style-type: none"> The South African Health Care System Public Health The Human Body and Mind Community Oriented Primary Care (O)* 	<ul style="list-style-type: none"> The South African Health Care System Public Health The Human Body and Mind Community Oriented Primary Care (O)* 	<ul style="list-style-type: none"> The South African Health Care System Public Health The Human Body and Mind 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)* OR <ul style="list-style-type: none"> • Pulp and Papermaking Technology (O)* 	<ul style="list-style-type: none"> • Physical Science • Process Control • Process Technology • Process Chemistry (O)* OR <ul style="list-style-type: none"> • Pulp and Papermaking Technology (O)* 	<ul style="list-style-type: none"> • Physical Science • Process Control • Process Technology • Process Chemistry (O)* OR <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)* OR <ul style="list-style-type: none"> • Introduction to Policing Practices(O)* 	<ul style="list-style-type: none"> • Criminal Justice Structures and Mandates • Criminal Law • Governance • Criminology (O)* OR <ul style="list-style-type: none"> • Theory of Policing Practices (O)* 	<ul style="list-style-type: none"> • Criminal Justice Process • Governance • Law of Procedures and Evidence • Applied Policing (O)* OR <ul style="list-style-type: none"> • Criminology (O)*
18. Tourism	<ul style="list-style-type: none"> • Client Services and Human Relations • Science of Tourism • Sustainable Tourism in SA • Tourism Operations (O)* 	<ul style="list-style-type: none"> • Client Services and Human Relations • Science of Tourism • Sustainable Tourism in SA and Regional Travel • Tourism Operations (O)* 	<ul style="list-style-type: none"> • Client Services and Human Relations • Science of Tourism • 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)* OR <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)* OR <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)* OR <ul style="list-style-type: none"> • New Venture Creation(O)*