



**2019 MAY/JUNE NATIONAL BUSINESS CERTIFICATE (NBC)/ NATIONAL TECHNICAL CERTIFICATE (NTC) EXAMINATIONS
EXAMINATION STRUCTURE
SUBJECT COMBINATION PER TRADE BASED ON NBTE SYLLABUS**

ENGINEERING TRADES (NTC)

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
010	Agricultural Equipment and Implement Mechanic Works	001 002 004 005	English Language Mathematics Physics Chemistry	191	General Metal Work	011	Introduction to Agricultural Science, Implements & Machines	003 006 007 008 009	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
				193	Building/Engineering Drawing	012	Tractor System	195 196 197 198 199 451 452	
020	Motor Vehicle Mechanics Works	001 002 004 005	English Language Mathematics Physics Chemistry	191	General Metal Work	021	Motor Vehicle Mechanics Works	003 006 007 008 009	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
				193	Building/Engineering Drawing	195 196 197 198 199 451 452			
030	Automobile Electrical Works	001 002 004 005	English Language Mathematics Physics Chemistry	191	General Metal Work	031	Automobile Electrical Works	003 006 007 008 009	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
				193	Building/Engineering Drawing	195 196 197 198 199 451 452			
				194	Basic Electricity				
040	Electrical Installation and Maintenance Works	001 002 004 005	English Language Mathematics Physics Chemistry	193	Building/Engineering Drawing	041	Electrical Installation and Maintenance Works	003 006 007 008 009	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
				194	Basic Electricity	195 196 197 198 199 451 452			
050	Fabrication and Welding	001 002 004 005	English Language Mathematics Physics Chemistry	191	General Metal Work	051	Fabrication and Welding	003 006 007 008 009	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
				193	Building/Engineering Drawing	195 196 197 198 199 451 452			
				194	Basic Electricity				

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
060	Mechanical Engineering Craft Practice	001 002 004 005	English Language Mathematics Physics Chemistry	191 193 194	General Metal Work Building/Engineering Drawing Basic Electricity	061	Mechanical Engineering Craft Practice	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
070	Electronics Works	001 002 004 005	English Language Mathematics Physics Chemistry	193 194	Building/Engineering Drawing Basic Electricity	071	Electronics Works	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
080	Refrigeration and Air-Conditioning Works	001 002 004 005	English Language Mathematics Physics Chemistry	191 193 194	General Metal Work Building/Engineering Drawing Basic Electricity	081	Refrigeration and Air-Conditioning Works	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
090	Vehicle Body Building	001 002 004 005	English Language Mathematics Physics Chemistry	191 193	General Metal Work Building/Engineering Drawing	091	Vehicle Body Building	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
100	Light Vehicle Repair Works	001 002 004 005	English Language Mathematics Physics Chemistry	191 193	General Metal Work Building/Engineering Drawing	101	Light Vehicle Body Repair Works	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
110	Instrument Mechanics Works	001 002 004 005	English Language Mathematics Physics Chemistry	191 193 194	General Metal Work Building/Engineering Drawing Basic Electricity	111	Instrument Mechanics Works	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
120	Appliance Maintenance and Repairs	001 002 004 005	English Language Mathematics Physics Chemistry	191 193 194	General Metal Work Building/Engineering Drawing Basic Electricity	121 122	Appliance Maintenance And Repair (Electrical/Mechanical Appliances and Projectors Maintenance Domestic and Office Machines Maintenance)	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
130	Foundry Craft Practice	001 002 004 005	English Language Mathematics Physics Chemistry	191 192 193	General Metal Work General Wood Work Building /Engineering Drawing	131	Foundry Craft Practice	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
150	Marine Engineering Craft	001 002 004 005	English Language Mathematics Physics Chemistry	191 193 194	General Metal Work Building/Engineering Drawing Basic Electricity	151	Marine Engineering Craft	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
160	Ship Building Craft Practice	001 002 004 005	English Language Mathematics Physics Chemistry	191 192 193	General Metal Work General Wood Work Building/Engineering Drawing	161	Ship Building Craft Practice	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
170	Computer Craft Studies	001 002 004 005	English Language Mathematics Physics Chemistry	193 194	Building/Engineering Drawing Basic Electricity	171	Computer Craft Studies	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
180	Animal Husbandry	001 002 004 005	English Language Mathematics Physics Chemistry	193	Building/Engineering Drawing	181 006	Animal Husbandry Biology	003 006 007 008 009 195 196 197 198 199 451	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
200	Fisheries	001 002 004 005	English Language Mathematics Physics Chemistry	193	Building/Engineering Drawing	201 006	Fisheries Biology	003 007 008 009 195 196 197 198 199 451 452	Economics Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
400	Photographic Practice	001 002 004 005	English Language Mathematics Physics Chemistry	193 194	Building/Engineering Drawing Basic Electricity	401	Photographic Practice	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science

CONSTRUCTION TRADES (NTC)

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
210	Blocklaying/Bricklaying and Concreting	001 002 004 005	English Language Mathematics Physics Chemistry	193	Building/Engineering Drawing	211 212	Introduction to Building Construction Blocklaying/Bricklaying Concreting	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
220	Carpentry and Joinery	001 002 004 005	English Language Mathematics Physics Chemistry	192 193	General Wood Work Building/Engineering Drawing	221 211	Carpentry & Joinery Introduction to Building Construction	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
230	Furniture making	001 002 004 005	English Language Mathematics Physics Chemistry	191 192 193	General Metal Work General Wood Work Building/Engineering Drawing	231	Furniture Making	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
240	Machine Wood Working	001 002 004 005	English Language Mathematics Physics Chemistry	192 193 194	General Wood Work Building/Engineering Drawing Basic Electricity	241	Machine Wood Working	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
250	Painting and Decorating	001 002 004 005	English Language Mathematics Physics Chemistry	192 193	General Wood Work Building/Engineering Drawing	251 211	Painting & Decorating Introduction to Building Construction	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
260	Plumbing and Pipe-Fitting	001 002 004 005	English Language Mathematics Physics Chemistry	191 193	General Metal Work Building/Engineering Drawing	261 211	Plumbing & Pipe Fitting Introduction to Building Construction	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
270	Draughtmanship Craft Practice	001	English Language	191	General metal Work	271	Draughtmanship	003	Economics
		002	Mathematics	192	General Wood Work	211	Introduction to Building Construction	006	Biology
004	Physics	193	Building/Engineering Drawing	007	Literature-in-English				
005	Chemistry			008	Information & Communications Technology (ICT)				
				009	Civic Education				
				195	Agricultural Science				
						196	Geography	197	Christian Religious Studies
						198	Islamic Studies	199	Government
						451	Further Mathematics	452	Animal Science

MISCELLANEOUS TRADES (NTC)

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
310	Cosmetology	001	English Language	194	Basic Electricity	311	Cosmetology	003	Economics
		002	Mathematics			006	Biology	007	Literature-in-English
004	Physics	008	Information & Communications Technology (ICT)						
005	Chemistry	009	Civic Education						
		195	Agricultural Science						
				196	Geography	197	Christian Religious Studies	198	Islamic Studies
						199	Government	451	Further Mathematics
						452	Animal Science		
320	Men's Garment Making	001	English Language	194	Basic Electricity	321	Men's Garment Construction and Finishing	003	Economics
		002	Mathematics			006	Biology	007	Literature-in-English
004	Physics	008	Information & Communications Technology (ICT)						
005	Chemistry	009	Civic Education						
		195	Agricultural Science						
				196	Geography	197	Christian Religious Studies	198	Islamic Studies
						199	Government	451	Further Mathematics
						452	Animal Science		
330	Ladies Garment Making	001	English Language	194	Basic Electricity	331	Ladies Garment Construction and Finishing	003	Economics
		002	Mathematics			006	Biology	007	Literature-in-English
004	Physics	008	Information & Communications Technology (ICT)						
005	Chemistry	009	Civic Education						
		195	Agricultural Science						
				196	Geography	197	Christian Religious Studies	198	Islamic Studies
						199	Government	451	Further Mathematics
						452	Animal Science		
340	Catering Craft Practice	001	English Language	194	Basic Electricity	341	Catering Craft Practice	003	Economics
		002	Mathematics			006	Biology	007	Literature-in-English
004	Physics	008	Information & Communications Technology (ICT)						
005	Chemistry	009	Civic Education						
		195	Agricultural Science						
				196	Geography	197	Christian Religious Studies	198	Islamic Studies
						199	Government	451	Further Mathematics
						452	Animal Science		
350	Leather Trades	001	English Language	193	Building /Engineering Drawing	*351	Leather Tanning*	003	Economics
		002	Mathematics					006	Biology
		004	Physics					007	Literature-in-English
		005	Chemistry					008	Information & Communications Technology (ICT)
								009	Civic Education
						195	Agricultural Science	196	Geography
						197	Christian Religious Studies	198	Islamic Studies
						199	Government	451	Further Mathematics
						452	Animal Science		

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
360	Printing Craft Practice	001 002 004 005	English Language Mathematics Physics Chemistry	193 194	Building /Engineering Drawing Basic Electricity	361	Printing Craft Practice	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
370	Textile Trades	001 002 004 005	English Language Mathematics Physics Chemistry	193 194	Building /Engineering Drawing Basic Electricity	*371 *372 *373 *374	Spinning* Weaving* Surface Design/Textile Printing* Bleaching, Dyeing and Finishing*	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
380	Graphic Arts	001 002 004 005	English Language Mathematics Physics Chemistry	193	Building /Engineering Drawing	381	Graphic Design	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
390	Ceramics	001 002 004 005	English Language Mathematics Physics Chemistry	193 194	Building /Engineering Drawing Basic Electricity	391	Ceramics & Design	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science

BUSINESS STUDIES (NBC)

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
410	Secretarial Duties	001 002 003	English Language Mathematics Economics	421	Commerce	411 412 413	Typewriting, 35 WPM Shorthand, 80 WPM Office Practice	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
420	Book-Keeping	001 002 003	English Language Mathematics Economics	421	Commerce	413 423	Office Practice Financial Accounting	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
430	Salesmanship	001 002 003	English Language Mathematics Economics	421	Commerce	423 431	Financial Accounting Salesmanship	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science
440	Tourism	001 002 003	English Language Mathematics Economics	421	Commerce	441 196	Tourism Geography	003 006 007 008 009 195 196 197 198 199 451 452	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography Christian Religious Studies Islamic Studies Government Further Mathematics Animal Science

GENERAL EDUCATION

TRADE CODE	SUBJECT CODE	SUBJECT NAMES
450	001	English Language
	002	Mathematics
	003	Economics
	004	Physics
	005	Chemistry
	006	Biology
	007	Literature in English
	008	Information & Communications Technology (ICT)
	009	Civic Education
	191	General Metal Work
	192	General Wood Work
	193	Building Engineering Drawing
	194	Basic Electricity
	195	Agricultural Science
	196	Geography
	197	Christian Religious Studies
	198	Islamic Studies
	199	Government
	421	Commerce
	451	Further Mathematics
	452	Animal Science

Note:

- For all Trades, except Trades 120 and 270, candidates are to enrol for a minimum of seven (7) and a maximum of Nine (9) subjects.
- Candidates are allowed to take elective subjects to make up a minimum of Seven (7) and a maximum of 9 subjects.
- For General Education Code (450), candidates are allowed to enrol for a minimum of Seven (7) subjects and a maximum of Nine (9) subjects.
- Candidates offering Trades 120 and 270 are allowed to pick only one elective subject.

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Optional for their respective trades.