



**2015 NOV/DEC 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	Economics Biology Literature-in-English Information & Communications Technology (ICT)
				193	Building/Engineering Drawing	012	Tractor System	009 195 196	Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT)
				193	Building/Engineering Drawing			009 195 196	Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT)
				193	Building/Engineering Drawing			009 195 196	Civic Education Agricultural Science Geography
				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	Economics Biology Literature-in-English Information & Communications Technology (ICT)
				194	Basic Electricity			009 195 196	Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT)
				193	Building/Engineering Drawing			009 195 196	Civic Education Agricultural Science Geography
				194	Basic Electricity				
060	Mechanical Engineering Craft Practice	001 002 004 005	English Language Mathematics Physics Chemistry	191	General Metal Work	061	Mechanical Engineering Craft Practice	003 006 007 008	Economics Biology Literature-in-English Information & Communications Technology (ICT)
				193	Building/Engineering Drawing			009 195 196	Civic Education Agricultural Science Geography
				194	Basic Electricity				
070	Electronics Works	001 002 004 005	English Language Mathematics Physics Chemistry	193	Building/Engineering Drawing	071	Electronics Works	003 006 007 008	Economics Biology Literature-in-English Information & Communications Technology (ICT)
				194	Basic Electricity			009 195 196	Civic Education Agricultural Science Geography

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
180	Animal Husbandry	001 002 004 005	English Language Mathematics Physics Chemistry	193	Building/Engineering Drawing	181 006	Animal Husbandry Biology	003 007 008 009 195 196	Economics Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography

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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
270	Draughtmanship Craft Practice	001 002 004 005	English Language Mathematics Physics Chemistry	191 192 193	General metal Work General Wood Work Building/Engineering Drawing	271 211	Draughtmanship Introduction to Building Construction	003 006 007 008 009 195 196	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography

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	001 002 004 005	English Language Mathematics Physics Chemistry	194	Basic Electricity	311 006	Cosmetology Biology	003 007 008 009 195 196	Economics Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
320	Men's Garment Making	001 002 004 005	English Language Mathematics Physics Chemistry	194	Basic Electricity	321 006	Men's Garment Construction and Finishing Biology	003 007 008 009 195 196	Economics Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
330	Ladies Garment Making	001 002 004 005	English Language Mathematics Physics Chemistry	194	Basic Electricity	331 006	Ladies Garment Construction and Finishing Biology	003 007 008 009 195 196	Economics Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
340	Catering Craft Practice	001 002 004 005	English Language Mathematics Physics Chemistry	194	Basic Electricity	341 006	Catering Craft Practice Biology	003 007 008 009 195 196	Economics Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
350	Leather Trades	001 002 004 005	English Language Mathematics Physics Chemistry	193	Building /Engineering Drawing	*351 *352 *353	Leather Tanning* Leather Goods Manufacture* Footwear Manufacture*	003 006 007 008 009 195 196	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography

TRADE CODE	TRADE TITLE	CODE	COMPULSORY GENERAL EDUCATION SUBJECTS	SUBJECT CODE	TRADE RELATED SUBJECTS	SUBJECT CODE	TRADE GROUP COURSES	CODE	ELECTIVE SUBJECTS
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
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	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
440	Tourism	001 002 004 005	English Language Mathematics Physics Chemistry	421	Commerce	441	Tourism	003 006 007 008 009 195 196	Economics Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography

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	English Language Mathematics Economics	421	Commerce	411	Typewriting, 35 WPM	004	Physics Chemistry Biology Literature-in-English Information & Communications Technology (ICT) Civic Education Agricultural Science Geography
		002				412	Shorthand, 80 WPM	005	
		003				413	Office Practice	006	
420	Book-Keeping	001	English Language Mathematics Economics	421	Commerce	413	Office Practice	007	
		002				423	Financial Accounting	008	
		003						009	
430	Salesmanship	001	English Language Mathematics Economics	421	Commerce	423	Financial Accounting	195	
		002						196	
		003				431	Salesmanship	004	
								005	
								006	
								007	
								008	
								009	
								195	
								196	

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	
	421	Commerce

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.
- * Optional for their respective trades.