



education

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REPUBLIC OF SOUTH AFRICA

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TO: FET COLLEGES ADVISORY COMMITTEE (ADCOM)
UMALUSI
PRINCIPALS OF FET PUBLIC AND PRIVATE COLLEGES
SOUTH AFRICAN COLLEGE PRINCIPALS ORGANISATION (SACPO)

EXAMINATION INSTRUCTION NO 5 OF 2009

NATIONAL CERTIFICATES (VOCATIONAL): PROGRAMME AND SUBJECT CODES

The attached document contains the programme and subject codes of the National Certificates (Vocational) offered by Further Education and Training Colleges for the 2009 academic year.

The codes required for registration for the 2009 academic year remain unchanged. Programmes and subjects with new codes are:

1. PROGRAMMES:
 - Civil Engineering and Building construction (revised)
 - Mechatronics (new)
 - Education and Development (new)
2. SUBJECTS:
 - Refrigeration Principles (L2) (new)
 - Refrigeration Practices (L3) (new)
 - Refrigeration and Air Conditioning Processes (L4) (new)

The closing date for registration is 31 March 2009 (Examination Instruction 17 of 2008).

Kind regards

SNP Sishi
Chief Director: National Examinations, Assessment and Measurement
Date: 2009 — 03 — 17

CC Heads of Provincial Education Departments
Director-General: Education
Deputy Director-General: Further Education and Training



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NATIONAL CERTIFICATES (VOCATIONAL)

PROGRAMME AND SUBJECT CODES

EXAMINATION INSTRUCTION 05 OF 2009

1. INTRODUCTION

This document contains the programme and subject codes of the National Certificates (Vocational) offered by Further Education and Training Colleges and form the basis of the examination computerised system. For examination and certification purposes, all programmes and subjects are numbered and an explanation is supplied to assist users with the compilation of programme and subject codes.

The various programmes and subjects are structured in such a way that it will assist users with an overview of the;

- compulsory and recommended optional subjects to be offered for a specific programme
- phasing in and out dates of particular programmes and subjects

This document must be read in conjunction with the following documents:

- *National Certificate (Vocational): A qualification at Levels 2, 3, 4 on the NQF, Government Gazette, No. 28677 of 29 March 2006, as amended in, Government Gazette, No.30266 of 7 September 2007;and*
- *The National Policy on the Conduct, Administration and Management of the Assessment of the National Certificate (Vocational), Government Gazette, No. 30287 of 12 September 2007.*

2. PROGRAMME AND SUBJECT CODING FOR PROGRAMMING PURPOSES

2.1 Programmes

The programme codes consist of 9 digits, which have the following meaning:

- first digit: "5" added to all distinctive FET College programmes
- second and third digit: NQF level
- fourth and fifth digit: organising field (up to two digits) (Table 1)
- sixth and seventh: sub-field (Table 2)
- eighth and ninth digit: unique programme code.

2.2 Subjects

The subject codes consist of 8 digits, which have the following meaning:

- first and second digits: organising field (up to two digits) ([Table 1](#));
- third and fourth digits: the subject groupings or sub-fields, as defined in ([Tables 2](#) and [3](#));
- fifth, sixth and seventh digits: unique subject codes; and
- eighth digit: NQF level of the subject.

TABLE 1: ORGANISING FIELDS

DIGIT	ORGANISING FIELD
01	Agriculture and Nature Conservation
02	Arts and Culture
03	Business, Commerce and Management Studies
04	Communication and Language Studies
05	Education, Training and Development
06	Manufacturing, Engineering and Technology
07	Human and Social Studies
08	Law, Military Science and Security
09	Health Science and Social services
10	Physical, Mathematical, Computer and Life Sciences
11	Services
12	Physical planning and Construction

TABLE 2: ORGANISING FIELDS AS THEY ARE RELATING TO THE SUB-FIELDS, AND SUBJECT CODING SYSTEM

NO.	ORGANISING FIELDS	NO.	SUB-FIELDS
01	Agriculture and Nature Conservation	01	Primary Agriculture
		02	Secondary Agriculture
		03	Nature Conservation
		04	Forestry and Wood Technology
		05	Horticulture
02	Culture and Arts	01	Design Studies
		02	Visual Arts
		03	Performing Arts
		04	Cultural Studies
		05	Music
		06	Sport
		07	Film, Television and Video.
03	Business, Commerce and Management Studies	01	Finance, Economics and Accounting
		02	Generic Management
		03	Human Resources
		04	Marketing
		05	Procurement
		06	Office Administration
		07	Public Administration
		08	Project Management
		09	Public Relations
04	Communication Studies and Language	01	Communication Studies
		02	Information Studies
		03	Language
		04	Literature
05	Education, Training and Development	01	Schooling
		02	Higher Education and Training
		03	Early Childhood Development
		04	Adult Learning
		05	Occupationally Directed ETD Practice

NO.	ORGANISING FIELDS	NO.	SUB-FIELDS
06	Manufacturing, Engineering and Technology	01 02 03 04	Engineering and Related Design Manufacturing and Assembly Fabrication and Extraction Mechatronics
07	Human and Social Studies	01 02 03 04 05 06 07 08 09	Environmental Relations General Social Science Industrial and Organisational Governance and Human Resource Development People/Human-centered Development Public Policy, Politics and Democratic Citizenship Religious and Ethical Foundations of Society Rural and Agrarian Studies Traditions, History and Legacies Urban and Regional Studies
08	Law, Military Science and Security	01 02 03	Safety in Society Justice in Society Sovereignty of the State
09	Health Sciences and Social Services	01 02 03 04	Preventive Health Promotive Health and Developmental Services Curative Health Rehabilitative Health/Services
10	Physical, Mathematical, Computer and Life Sciences	01 02 03 04 05 06	Mathematical Sciences Physical Sciences Life Sciences Information Technology and Computer Sciences Earth and Space Sciences Environmental Sciences

NO.	ORGANISING FIELDS	NO.	SUB-FIELDS
11	Services	01	Hospitality, Tourism, Travel, Gaming and Leisure Transport, Operations and Logistics
		02	Personal Care
		03	Wholesale and Retail
		04	Consumer Services
		05	Cleaning, Domestic, Hiring, Protecting and Rescue Services
12	Physical Planning and Construction	01	Physical Planning, Design and Management
		02	Building Construction
		03	Civil Engineering Construction
		04	Electrical Infrastructure Construction

TABLE 3: SUBJECT GROUPINGS

DIGIT	SUBJECT GROUP
10	Official Languages at Home Language level
20	Official Languages at First Additional Language level
30	Official Languages at Second Additional Language level
40	Mathematical Literacy
50	Mathematics
60	Life Orientation

3. NC (V) PROGRAMMES, LEVELS AND RESPECTIVE CODES

3.1 GROUP 1: NC (V) PROGRAMMES

TABLE 4: OVERVIEW OF PROGRAMMES, THEIR RESPECTIVE LEVELS AND CODES

PROGRAMME	PROGRAMME CODE		
	NQF LEVEL 2	NQF LEVEL 3	NQF LEVEL 4
<i>Civil Engineering and Building Construction (Programme to be phased out)</i>	502120301	503120301	504120301
Civil Engineering and Building Construction (Newly developed programme)	522120311	523120311	524120311
Engineering and Related Design	502060101	503060101	504060101
Electrical Infrastructure Construction	502120401	503120401	504120401
Finance, Economics and Accounting	502030301	503030301	504030301
Hospitality	502111111	503111111	504111111
Information Technology and Computer Science	502100401	503100401	504100401
Management	502030201	503030201	504030201
Marketing	502030401	503030401	504030401
Office Administration	502030601	503030601	504030601
Primary Agriculture	502010101	503010101	504010101
Tourism	502111101	503111101	504111101
Safety in Society	502080101	503080101	504080101
Mechatronics (Newly developed programme)	502060401	503060401	504060401
Education and Development (Newly developed programme)	502050501	503050301	504050301

3.2 GROUP 2: FUNDAMENTAL SUBJECTS

TABLE 5: OFFICIAL LANGUAGES

SUBJECT	SUBJECT CODE		
	NQF Level 2	NQF Level 3	NQF Level 4
Afrikaans Home Language	04101012	04101023	04101034
<i>Afrikaans First Additional Language*</i>	<i>04101042</i>	<i>04101053</i>	<i>04101064</i>
English Home Language	04101072	04101083	04101094
<i>English First Additional Language*</i>	<i>04101102</i>	<i>04101113</i>	<i>04101124</i>
IsiNdebele Home Language	04101132	04101143	04101154
IsiNdebele First Additional Language	04101162	04101173	04101184
IsiXhosa Home Language	04101192	04101203	04101214
<i>IsiXhosa First Additional Language*</i>	<i>04101222</i>	<i>04101233</i>	<i>04101244</i>
IsiZulu Home Language	04101252	04101263	04101274
IsiZulu First Additional Language	04101282	04101293	04101304
Sepedi Home Language	04101312	04101323	04101334
Sepedi First Additional Language	04101342	04101353	04101364
Sesotho Home Language	04101372	04101383	04101394
Sesotho First Additional Language	04101402	04101413	04101424
Setswana Home Language	04101432	04101443	04101454
Setswana First Additional Language	04101462	04101473	04101484
SiSwati Home Language	04101492	04101503	04101514
SiSwati First Additional Language	04101522	04101533	04101544
Tshivenda Home Language	04101552	04101563	04101574
Tshivenda First Additional Language	04101582	04101593	04101604
Xitsonga Home Language	04101612	04101623	04101634
Xitsonga First Additional Language	04101642	04101653	04101664

**** Languages on offer***

TABLE 6: MATHEMATICAL SCIENCES

SUBJECT	SUBJECT CODE		
	NQF Level 2	NQF Level 3	NQF Level 4
Mathematical Literacy	10401012	10401023	10401034
Mathematics	10501042	10501053	10501064

TABLE 7: HUMAN AND SOCIAL SCIENCES

SUBJECT	SUBJECT CODE		
	NQF Level 2	NQF Level 3	NQF Level 4
Life Orientation	07601012	07601023	07601034

3.3 GROUP 3: NATIONALLY APPROVED VOCATIONAL SUBJECTS, LEVELS AND SUBJECT CODES

The preferred optional subject(s) *(0) indicated under each programme are the recommended subject(s) for training in a specific programme, however the optional subject may be chosen from any other programme. The first **three-shaded subjects** are the **compulsory subjects** per programme which forms the **specialisation** of the NC (V) qualification.

3.3.1 PROGRAMME TO BE PHASED OUT:

The programme: Civil Engineering and Building Construction was revised. Refer to table 10 on page 15 for the revised programme.

TABLE: 8

IMPLEMENTATION DATE		JANUARY 2007		JANUARY 2008		JANUARY 2009	
ENROLMENTS		No enrolments allowed for 2009. Students to be enrolled on the revised programme in 2009.		No enrolments allowed for 2010. Students to be enrolled on the revised programme in 2010.		No enrolments allowed for 2011. Students to be enrolled on the revised programme in 2011.	
FINAL EXAMINATION DATE TO COMPLETE PROGRAMME		NOVEMBER 2008		NOVEMBER 2009		NOVEMBER 2010	
PROGRAMME AND CODE		VOCATIONAL SUBJECT LEVEL 2	SUBJECT CODE	VOCATIONAL SUBJECT LEVEL 3	SUBJECT CODE	VOCATIONAL SUBJECT LEVEL 4	SUBJECT CODE
1.	Civil Engineering and Building Construction	Drawings, Setting Out, Quantities and Costing	12011002	Drawings, Setting Out, Quantities and Costing	12011003	Drawings, Setting Out, Quantities and Costing	12011004
	502120301	Construction Plant and Equipment	12011012	Construction Plant and Equipment	12011013	Construction Supervision	12011084
	503120301	Construction Material	12011022	Construction Material	12011023	Construction Material	12031024
	504120301	Physical Science (O)*	10021002	Physical Science (O)*	10021003	Physical Science (O)*	10021004
		Construction Plumbing (O)*	12031032	Construction Plumbing (O)*	12031033	Civil and Construction Technology (O)*	12031084
		Construction Carpentry and Roof Work (O)*	12031042	Construction Carpentry and Roof Work (O)*	12031043		
		Construction Masonry and Tiling (O)*	12021052	Construction Masonry and Tiling (O)*	12021053		
		Roads (O)*	12031062	Roads (O)*	12031063		
		Concrete Structures (O) *	12011072	Concrete Structures (O) *	12021073		

3.3.2 PROGRAMMES TO CONTINUE:

TABLE: 9

IMPLEMENTATION DATE		JANUARY 2007		JANUARY 2008		JANUARY 2009	
PROGRAMME AND CODE		VOCATIONAL SUBJECT LEVEL 2	SUBJECT CODE	VOCATIONAL SUBJECT LEVEL 3	SUBJECT CODE	VOCATIONAL SUBJECT LEVEL 4	SUBJECT CODE
2.	Electrical Infrastructure Construction	Electrical Principles and Practice	12041002	Electrical Principles and Practice	12041003	Electrical Principles and Practice	12041004
	502120401	Workshop Practice	12041012	Electrical Workmanship	12041013	Electrical Workmanship	12041014
	503120401	Electronic Control and Digital Electronics	12041022	Electronic Control and Digital Electronics	12041023	Electronic Control and Digital Electronics	12041024
	504120401						
		Electrical Systems and Construction (O)*	12041032	Electrical Systems and Construction (O)*	12041033	Electrical Systems and Construction (O)*	12041034
		Physical Science (O)*	10021002	Physical Science (O)*	10021003	Physical Science (O)*	10021004
3.	Engineering and Related Design	Engineering Fundamentals	06021002	Engineering Practice and Maintenance	06021003	Engineering Processes	06021004
	502060101	Engineering Technology	06021012	Material Technology	06021013	Professional Engineering Practice	06021014
	503060101	Engineering Systems	06021022	Engineering Graphics and Design	06021023	Applied Engineering Technology	06021024
	504060101						
		Physical Science (O)*	10021002	Physical Science (O)*	10021003	Physical Science (O)*	10021004
		Fitting and Turning (O)*	06011042	Fitting and Turning (O)*	06011043	Fitting and Turning (O)*	06011044
		Automotive Repair and Maintenance (O)*	06021032	Automotive Repair and Maintenance (O)*	06021033	Automotive Repair and Maintenance (O)*	06021034
		Engineering Fabrication (O)*	06031002	Engineering Fabrication – Boiler making (O)*	06031013	Engineering Fabrication – Boiler making (O)*	06031014
				Engineering Fabrication – Sheet Metal Work (O)*	06031023	Engineering Fabrication – Sheet Metal Work (O)*	06031024
		Welding (O)*	06031012	Welding (O)*	06031033	Welding (O)*	06031034
		Refrigeration Principles (O)*	06030052	Refrigeration Practice (O)*	06030053	Refrigeration and Air Conditioning Processes (O)*	06030054

4.	Finance, Economics and Accounting 502030301 503030301 504030301	Applied Accounting	03011002	Applied Accounting	03011003	Applied Accounting	03011004
		Financial Management	03011012	Financial Management	03011013	Financial Management	03011014
		Economic Environment	03011022	Economic Environment	03011023	Economic Environment	03011024
		New Venture Creation (O)*	03011032	New Venture Creation (O)*	03011033	New Venture Creation (O)*	03011034
5.	Hospitality 502111111 503111111 504111111	Hospitality Generics	11011002	Hospitality Generics	11011003	Hospitality Generics	11011004
		Food Preparation	11011012	Food Preparation	11011013	Food Preparation	11011014
		Client Services and Human Relations	11011022	Client Services and Human Relations	11011023	Client Services and Human Relations	11011024
		Hospitality Services (O)*	11011032	Hospitality Services (O)*	11011033	Hospitality Services (O)*	11011034
6.	Information Technology and Computer Science 502100401 503100401 504100401	Introduction to Information Systems	10041002	System Analysis and Design	10041003	Systems Analysis and Design	10041004
		Electronics	10041012	Computer Hardware and Software	10041013	Data Communication and Networking	10041014
		Introduction to Systems Development	10041022	Principles of Computer Programming	10041023	Computer Programming	10041024
		Contact Centre Operations (O)*	10041032	Contact Centre Operations (O)*	10041033	Contact Centre Operations (O)*	10041034
7.	Management 502030201 503030201 504030201	Management Practice	03021002	Management Practice	03021003	Management Practice	03021004
		Operations Management	03021012	Operations Management	03021013	Operations Management	03021014
		Financial Management	03011012	Financial Management	03011013	Financial Management	03011014
		Entrepreneurship (O)*	03021042	Project Management (O)*	03081033	Project Management (O)*	03081034

8.	Marketing	Marketing	03041002	Marketing	03041003	Marketing	03041004
	502030401	Advertising and Promotions	03041012	Advertising and Promotions	03041013	Advertising and Promotions	03041014
	503030401	Marketing Communication	03041022	Marketing Communication	03041023	Marketing Communication	03041024
	504030401	Consumer Behaviour (O)*	03041032	Consumer Behaviour (O)*	03041033	Consumer Behaviour (O)*	03041034
		Contact Centre Operations (O)*	10041032	Contact Centre Operations (O)*	10041033	Contact Centre Operations (O)*	10041034
9.	Office Administration	Business Practice	03061002	Business Practice	03061003	Business Practice	03061004
	502030601						
	503030601	Office Practice	03061012	Office Practice	03061013	Office Practice	03061014
	504030601						
		Office Data Processing	03061022	Office Data Processing	03061023	Office Data Processing	03061024
		Applied Accounting (O)*	03011002	Applied Accounting (O)*	03011003	Applied Accounting (O)*	03011004
		2 nd Language (O)*	Refer to Group 2 Table 5	2 nd Language (O)*	Refer to Group 2 Table 5	2 nd Language (O)*	Refer to Group 2 Table 5
10.	Primary Agriculture	New Venture Creation (O)*	03011032	New Venture Creation (O)*	03011033	New Venture Creation (O)*	03011034
						Personal Assistance (O)*	03061044
		Soil Science	01011002	Soil Science	01011003	Farm Planning and Mechanisation	01011044
	502010101	Plant Production	01011012	Plant Production	01011013	Advanced Plant Production	01011014
	503010101	Animal Production	01011022	Animal Production	01011023	Animal Production	01011004
	504010101						
		Agribusiness (O)*	01011032	Agribusiness (O)*	01011033	Agribusiness (O)*	01011034

11.	Tourism	Science of Tourism	11011042	Science of Tourism	11011043	Science of Tourism	11011044
	502111101	Sustainable Tourism in SA	11011062	Sustainable Tourism in SA and Regional Travel	11011063	Sustainable Tourism in SA and International Travel	11011064
	503111101	Client Services and Human Relations	11011022	Client Services and Human Relations	11011023	Client Services and Human Relations	11011024
	504111101	Tourism Operations (O)*	11011072	Tourism Operations (O)*	11011073	Tourism Operations (O)*	11011074
12.	Safety in Society	Introduction to Governance	08011002	Governance	08011003	Governance	08011004
	502080101	Introduction to Law	08021002	Criminal Law	08021003	Law Procedures and Evidence	08021004
	503080101	Principles of Criminal Justice	08021012	Criminal Justice Structures and Mandates	08021013	Criminal Justice Process	08021014
	504080101	Introduction to Policing Practices (O)*	08011022	Theory of Policing Practices (O)*	08011023	Applied Policing (O)*	08011024
		Criminology (O)*	08021022	Criminology (O)*	08021023	Criminology (O)*	08021024

3.3.3 REVISED PROGRAMME

TABLE: 10

IMPLEMENTATION DATE OF REVISED PROGRAMME		JANUARY 2009		JANUARY 2010		JANUARY 2011	
13	Civil Engineering and Building Construction 522120311 523120311 524120311	Construction Planning	12010042	Construction Planning	12010253	Construction Planning	12010464
		Plant and Equipment	12030052	Plant Equipment Level	12030263	Construction Supervision	12010474
		Materials	12010062	Materials	12010273	Materials	12010484
		Physical Science (O)*	10021002	Physical Science (O)*	10021003	Physical Science (O)*	10021004
		Roads (O)*	12030152	Roads (O)*	12030363	Roads (O) *	12030534
		Concrete Structures (O) *	12020132	Concrete Structures (O) *	12020343	Concrete Structures (O) *	12020514
		Carpentry and Roof Work (O) *	12020122	Carpentry and Roof Work (O) *	12030333	Carpentry and Roof Work (O) *	12030504
		Masonry (O) *	12020152	Masonry (O) *	12020353	Masonry (O) *	12020524
		Plumbing (O) *	12020162	Plumbing (O) *	12030373	Plumbing (O) *	12030544

3.3.4 NEWLY INTRODUCED PROGRAMMES

TABLE: 11

IMPLEMENTATION DATE OF NEW PROGRAMMES		JANUARY 2009		JANUARY 2010		JANUARY 2011	
14	Mechatronics 502060401 503060401 504060401	Introduction to Computers	10040052	Stored Programme Systems	10040103	Stored Programme Systems	10040154
		Electro Technology	12040212	Electro Technology	12040423	Electro Technology	12040594
		Manual Manufacturing	06030092	Machine Manufacturing	06030203	Computer-Integrated Manufacturing	06030324
		Mechatronic Systems (O) *	06040102	Mechatronic Systems (O) *	06040213	Mechatronic Systems (O) *	06040334
15	Education and Development 502050501 503050301 504050301	Art and Science of Teaching	05050012	Art and Science of Teaching	05050053	Art and Science of Teaching	05050094
		Human and Social Development	05050022	Human and Social Development	05050063	Human and Social Development	05050104
		Learning Psychology	05050032	Learning Psychology	05050073	Learning Psychology	05050114
		Early Childhood Development(O) *	05030042	Early Childhood Development (O) *	05030083	Early Childhood Development (O) *	05030124