



FLAVIUS MAREKA TVET COLLEGE



NATIONAL CERTIFICATE - ENGINEERING STUDIES ELECTRICAL ENGINEERING

FULL TIME

CAMPUS : Sasolburg / Mphohadi
DEPARTMENT : 3 – Engineering Studies
STUDY DIRECTION : Electrical Engineering
NQF : 06 Manufacturing, Engineering, Technology

TIME PERIOD : T124 / T224 / T324
APPRENTICE : 4 – Non-Apprentice
CESM : 08 – Engineering and Eng Tech.

N1 (no new students)			N2 (T1, T2 only)			N3		
COURSE CODE: 50111000			COURSE CODE: 50211003			COURSE CODE: 50311003		
Code	Subject	Amount	Code	Subject	Amount	Code	Subject	Amount
11041861	Electrical Trade Theory N1	R560	11041872	Electrical Trade Theory N2	R560	11040343	Electro-technology N3	R560
08080641	Industrial Electronics N1	R560	08080602	Industrial Electronics N2	R560	08080613	Industrial Electronics N3	R560
15070391	Engineering Science N1	R560	15070402	Engineering Science N2	R560	15070413	Engineering Science N3	R560
16030123	Mathematics N1	R560	16030192	Mathematics N2	R560	16030143	Mathematics N3	R560
	SRC Fees	R80		SRC Fees	R80		SRC Fees	R80
	Student Card Fees	R45		Student Card Fees	R45		Student Card Fees	R45
TOTAL		R2 365	TOTAL		R2 365	TOTAL		R2 365



FLAVIUS MAREKA TVET COLLEGE



NATIONAL CERTIFICATE ENGINEERING STUDIES ELECTRICAL ENGINEERING

FULL TIME

CAMPUS : Sasolburg / Mphohadi **TIME PERIOD** : T124 / T224 / T324
DEPARTMENT : 3 – Engineering Studies **APPRENTICE** : 4 – Non-Apprentice
STUDY DIRECTION : Electrical Engineering **CESM** : 08 – Engineering and Eng Tech.
NQF : 06 Manufacturing, Engineering, Technology

N4			N5			N6		
COURSE CODE: 50408078			COURSE CODE: 50508079			COURSE CODE: 50608080		
Code	Subject	Amount	Code	Subject	Amount	Code	Subject	Amount
08080074	Electro-technics N4	R650	08080085	Electro-technics N5	R650	08080096	Electro-technics N6	R650
08080164	Industrial Electronics N4	R650	08080175	Industrial Electronics N5	R650	08080186	Industrial Electronics N6	R650
15070434	Engineering Science N4	R650	15070115	Engineering Physics N5 OR	R650	15070126	Engineering Physics N6 OR	R650
16030164	Mathematics N4	R650	08190035	Power Machines N5 (Sasolburg)	R650	08190046	Power Machines N6 (Sasolburg)	R650
	SRC Fees	R80	16030175	Mathematics N5	R80	16030186	Mathematics N6	R650
	Student Card Fees	R45		SRC Fees	R45		SRC Fees	R80
				Student Card Fees			Student Card Fees	R45
TOTAL		R2 725	TOTAL		R2 725	TOTAL		R2 725



FLAVIUS MAREKA TVET COLLEGE



NATIONAL CERTIFICATE - ENGINEERING STUDIES MECHANICAL ENGINEERING

FULL TIME

CAMPUS : Sasolburg / Mphohadi **TIME PERIOD** : T124 / T224 / T324
DEPARTMENT : 3 – Engineering Studies **APPRENTICE** : 4 – Non-Apprentice
STUDY DIRECTION : Mechanical Engineering **CESM** : 08 – Engineering and Eng Tech.
NQF : 06 Manufacturing, Engineering, Technology

N1 (no new students)			N2 (T1, T2 only)			N3		
COURSE CODE: 50111000			COURSE CODE: 50211003			COURSE CODE: 50311003		
Code	Subject	Amount	Code	Subject	Amount	Code	Subject	Amount
11021871	Fitting & Turning Theory N1	R560	11022032	Fitting & Turning Theory N2	R560	08190373	Mechano Technology N3	R560
08090261	Engineering Drawing N1	R560	08090272	Engineering Drawing N2	R560	08090283	Engineering Drawing N3	R560
15070391	Engineering Science N1	R560	15070402	Engineering Science N2	R560	15070413	Engineering Science N3	R560
16030123	Mathematics N1	R560	16030192	Mathematics N2	R560	16030143	Mathematics N3	R560
	SRC Fees	R80		SRC Fees	R80		SRC Fees	R80
	Student Card Fees	R45		Student Card Fees	R45		Student Card Fees	R45
TOTAL		R2 365			R2 365	TOTAL		R2 365



FLAVIUS MAREKA TVET COLLEGE



NATIONAL CERTIFICATE - ENGINEERING STUDIES MECHANICAL ENGINEERING

FULL TIME

CAMPUS : Sasolburg / Mphohadi **TIME PERIOD** : T124 / T224 / T324
DEPARTMENT : 3 – Engineering Studies **APPRENTICE** : 4 – Non-Apprentice
STUDY DIRECTION : Mechanical Engineering **CESM** : 08 – Engineering and Eng Tech.
NQF : 06 Manufacturing, Engineering, Technology

N4			N5			N6		
COURSE CODE: 50408078			COURSE CODE: 50508079			COURSE CODE: 50608080		
Code	Subject	Amount	Code	Subject	Amount	Code	Subject	Amount
08090204	Mechanical Draughting N4	R650	08190225	Mechano-Technics N5	R650	08190236	Mechano-Technics N6	R650
08190194	Mechano-Technics N4	R650	15070115	Engineering Physics N5	R650	15070126	Engineering Physics N6	R650
15070434	Engineering Science N4	R650	16030175	Mathematics N5	R650	16030186	Mathematics N6	R650
16030164	Mathematics N4	R650	08190035	Power Machines N5 OR	R650	08190046	Power Machines N6 OR	R650
	SRC Fees	R80	08060065	Strength of Materials N5	R650	08060076	Strength of Materials N6 OR	R650
	Student Card Fees	R45		SRC Fees	R80	08080016	Control Systems N6	R650
				Student Card Fees	R45		SRC Fees	R80
							Student Card Fees	R45
TOTAL		R2 725	TOTAL		R2 725	TOTAL		R2 725



NATIONAL CERTIFICATE - ENGINEERING STUDIES

BOILERMAKING

FULL TIME

CAMPUS : Sasolburg **TIME PERIOD** : T124 / T224 / T324
DEPARTMENT : 3 – Engineering Studies **APPRENTICE** : 4 – Non-Apprentice
STUDY DIRECTION : Mechanical Engineering **CESM** : 08 – Engineering and Eng Tech.
NQF : 06 Manufacturing, Engineering, Technology

N1 (no new students)			N2 (T1, T2 only)			N3		
COURSE CODE: 50111000			COURSE CODE: 50211003			COURSE CODE: 50311003		
Code	Subject	Amount	Code	Subject	Amount	Code	Subject	Amount
11022061	Metal Worker's Theory N1	R560	11022082	Welder's Theory N2	R560	08190373	Mechano Technology N3	R560
08090091	Plating and Structural Steel Drawing N1	R560	08090102	Plating and Structural Steel Drawing N2	R560	08090113	Plating and Structural Steel Drawing N3	R560
15070391	Engineering Science N1	R560	15070402	Engineering Science N2	R560	15070413	Engineering Science N3	R560
16030123	Mathematics N1	R560	16030192	Mathematics N2	R560	16030143	Mathematics N3	R560
	SRC Fees	R80		SRC Fees	R80		SRC Fees	R80
	Student Card Fees	R45		Student Card Fees	R45		Student Card Fees	R45
TOTAL		R2 365			R2 365	TOTAL		R2 365



FLAVIUS MAREKA TVET COLLEGE



NATIONAL CERTIFICATE - ENGINEERING STUDIES CHEMICAL ENGINEERING

CAMPUS	: Sasolburg	TIME PERIOD	: T124 / T224 / T324
DEPARTMENT	: 3 – Engineering Studies	APPRENTICE	: 4 – Non-Apprentice
STUDY DIRECTION	: Chemical Engineering	CESM	: 08 – Engineering and Eng Tech.
NQF	: 06 Manufacturing, Engineering, Technology		

N3		
COURSE CODE: 50311003		
Code	Subject	Amount
04110053	Supervision in Industry N3	R560
11040023	Plant Operation Theory	R560
15070413	Engineering Science N3	R560
16030143	Mathematics N3	R560
	SRC Fees	R80
	Student Card Fees	R45
TOTAL		R2 365



higher education
& training
Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

FLAVIUS MAREKA TVET COLLEGE



NATIONAL CERTIFICATE - ENGINEERING STUDIES

CIVIL ENGINEERING

CAMPUS : Mphohadi **TIME PERIOD** : T124 / T224 / T324
DEPARTMENT : 3 – Engineering Studies **APPRENTICE** : 4 – Non-Apprentice
STUDY DIRECTION : Civil Engineering **CESM** : 08 – Engineering and Eng Tech.
NQF : 06 Manufacturing, Engineering, Technology

N4			N5			N6		
COURSE CODE: 50408078			COURSE CODE: 50508079			COURSE CODE: 50608080		
Code	Subject	Amount	Code	Subject	Amount	Code	Subject	Amount
04090034	Building Administration N4	R650	04090045	Building Administration N5	R650	04090056	Building Administration N6	R650
08060034	Building & Structural Surveying N4	R650	08060045	Building & Structural Surveying N5	R650	08060056	Building & Structural Surveying N6	R650
08060004	Building & Structural Construction N4	R650	08060015	Building & Structural Construction N5	R650	08060026	Building & Structural Construction N6	R650
02050004	Quantity Surveying N4	R650	02050015	Quantity Surveying N5	R650	02050026	Quantity Surveying N6	R650
08090010	Building Drawing N1(optional)	R560						
	Student Card Fees	R45		Student Card Fees	R45		Student Card Fees	R45
TOTAL (without optional subject)		R2 645	TOTAL		R2 645	TOTAL		R2 645



NATIONAL CERTIFICATE - ENGINEERING STUDIES

INSTRUMENT ENGINEERING

CAMPUS : Sasolburg **TIME PERIOD** : T124 / T224 / T324
DEPARTMENT : 3 – Engineering Studies **APPRENTICE** : 4 – Non-Apprentice
STUDY DIRECTION : Instrument Engineering **CESM** : 08 – Engineering and Eng Tech.
NQF : 06 Manufacturing, Engineering, Technology

N3		
COURSE CODE: 50311003		
Code	Subject	Amount
11040463	Instrument Trade Theory N3	R560
08080613	Industrial Electronics N3	R560
15070413	Engineering Science N3	R560
16030143	Mathematics N3	R560
	SRC Fees	R80
	Student Card Fees	R45
TOTAL		R2 365



NATIONAL CERTIFICATE - ENGINEERING STUDIES

INSTRUMENT ENGINEERING

FULL TIME

CAMPUS	: <u>Sasolburg</u>	TIME PERIOD	: T124 / T224 / T324
DEPARTMENT	: 3 – Engineering Studies	APPRENTICE	: 4 – Non-Apprentice
STUDY DIRECTION	: Instrument Engineering	CESM	: 08 – Engineering and Eng Tech.
NQF	: 06 Manufacturing, Engineering, Technology		

N4			N5			N6		
COURSE CODE: 50408078			COURSE CODE: 50508079			COURSE CODE: 50608080		
Code	Subject	Amount	Code	Subject	Amount	Code	Subject	Amount
08080194	Industrial Instruments N4	R650	08080205	Industrial Instruments N5	R650	08080216	Industrial Instruments N6	R650
08080164	Industrial Electronics N4	R650	08080175	Industrial Electronics N5	R650	08080186	Industrial Electronics N6	R650
15070434	Engineering Science N4	R650	15070115	Engineering Physics N5	R650	15070126	Engineering Physics N6	R650
16030164	Mathematics N4	R650	16030175	Mathematics N5	R650	16030186	Mathematics N6	R650
	SRC Fees	R80		SRC Fees	R80		SRC Fees	R80
	Student Card Fees	R45		Student Card Fees	R45		Student Card Fees	R45
TOTAL		R2 725	TOTAL		R2 725	TOTAL		R2 725

FLAVIUS MAREKA TVET COLLEGE

NON-NATIONAL CERTIFICATE

INSTALLATION RULES

EXAMINATION ONLY

CAMPUS	: Sasolburg / Mphohadi	TIME PERIOD	: T124 / T224 / T324
DEPARTMENT	: 3 – Engineering Studies	APPRENTICE	: 4 – Non-Apprentice
STUDY DIRECTION	: Electrical Engineering	CESM	: 08 – Engineering and Eng Tech.
NQF	: 06 Manufacturing, Engineering, Technology		

INSTALLATION RULES		
COURSE CODE: 51108848		
Examination only		
11040412	Paper 1 Exam only R130.00	R130.00
11040432	Paper 2 Exam only R130.00	R130.00
TOTAL		R260.00

SPEC ELEC INSTALLATION CODES		
COURSE CODE: 51108849		
Examination only		
08080634	Paper 1 Exam only R130.00	R130.00
08080635	Paper 2 Exam only R130.00	R130.00
TOTAL		R260.00