

NATIONAL CERTIFICATE: PULP AND PAPER CHEMICAL RECOVERY: CONVERT SPENT ORGANIC AND INORGANIC PULPING BY-PRODUCTS NQF LEVEL 4

	<u>UNIT STANDARD TITLE</u>	<u>UNIT STANDARD NQF LEVEL</u>	<u>UNIT STANDARD CREDIT</u>	<u>UNIT STANDARD ID NUMBER</u>
	FUNDAMENTAL			
1	Accommodate audience and context needs in oral communication	3	5	8968
2	Interpret and use information from texts	3	5	8969
3	Write texts for a range of communicative contexts	3	5	8970
4	Use language and communication in occupational learning programmes	3	5	8973
5	Manage work time effectively	3	3	9530
6	Develop learning strategies and techniques	3	3	12457
7	Demonstrate knowledge and understanding of HIV/AIDS in a workplace, and its effects on a business sub-sector, own organization and a specific workplace	3	4	13915
8	Engage in sustained oral communication and evaluate spoken texts	4	5	8974
9	Read, analyse and respond to a variety of texts	4	5	8975
10	Write for a wide range of contexts	4	5	8976
11	Use language and communication in occupational learning programmes	4	5	8979
12	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	4	6	9014
13	Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems	4	6	9015
14	Represent, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	4	4	9016
	CORE			
15	Apply safety, health and environmental protection procedures	3	6	13223
16	Apply quality procedures	3	8	13234
17	Increase pulping spent liquor solids using an evaporation process	3	26	114239
18	Produce chemical compounds by converting spent organic and inorganic pulping by-products using a fluidized bed reactor	4	22	114240
19	Understanding the process and the variables in the recovery of pulping chemicals	4	10	114242
	ELECTIVE			
23	Produce and use spreadsheets for business	3	5	7567
24	Produce word processing documents for business	3	5	7570
25	Operate a computer	3	8	7786
26	Operating cranes	3	10	8039
29	Demonstrate understanding of the water treatment and effluent treatment processes in the pulp and paper industry	3	10	110030
31	Prepare chemical additives used in the pulp and paper industry	3	4	114251
34	Generate white liquor using a causticizing process	4	18	114243