

NATIONAL CERTIFICATE IN WOOD TECHNOLOGY: LUMBER MILLING (SAW DOCTORING) LEVEL 3

	<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	
2	Interpret and use information from texts	3	5	
3	Write texts for a range of communicative contexts	3	5	
4	Use language and communication in occupational learning programmes	3	5	
5	Demonstrate understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	3	2	9010
6	Use mathematics to investigate and monitor the financial aspects of personal and business issues	3	5	9011
7	Investigate life and work related problems using data and probabilities	3	5	9012
8	Measure, estimate and calculate physical quantities and explore, describe and represent, interpret and justify geometrical relationships in two and three-dimensional space relevant to the life or workplace of the community	3	4	9013
	CORE			
9	Demonstrate understanding of structure of wood and how it relates to its appearance, strength and how it holds water	3	15	
10	Demonstrate understanding of technology applicable to use in Lumber Mill of grinding wheels made from advanced / specialized material, in saw and cutter maintenance in Lumber Mill	3	4	
11	Level and tension circular saw blades used in Lumber Mill	3	15	
12	Set up circular saw blade(s) in machines used for processing timber in Lumber Mill	3	2	
13	Operate automatics stellite tipping and profile grinding machines in Saw Shop of Lumber Mill	3	15	
14	Design and make tooth profile templates for saws and cutters used in machines in Lumber Mill	3	5	
15	Maintain and set up cutter blocks with profiled and disposable cutters for machines used in Lumber Mill	3	3	
16	Maintain and set up chipper knives and anvils in chipper machines in Lumber Mill	3	5	
	PLUS			
	Add one or more of the following:			
	Band Saw Option			
17	Level and tension wide band saw blades in Saw Shop of Lumber Mill	3	10	
18	Set up wide blade band saw machine and its log carriage used in Lumber Mill	3	4	
19	Maintain wide blade band saw wheel faces on band saw machines used in Lumber Mill	3	2	
20	Maintain and set up narrow band saw blade(s) used on band saws in Lumber Mill	3	2	
	OR			
	Frame Saw Option			
21	Level and tension frame saw blades used in Lumber Mill	3	10	
22	Hand frame saw blades and set up frame saw machine used in Lumber Mill	3	5	

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23	*Demonstrate understanding of relevant aspects of the Labour Relations Act	3	1	
24	*Demonstrate understanding of relevant aspects of the Employment Equity Act	3	1	
25	*Demonstrate understanding of relevant aspects of the Skills Development Act	3	1	
26	*Demonstrate understanding of relevant aspects of the Basic Conditions of Employment Act	3	1	
27	*Demonstrate understanding of relevant aspects of computer literacy	3	1	
28	*Demonstrate understanding of relevant aspects of business principles	3	1	
29	*Demonstrate understanding of relevant principles of environmental management	3	1	
30	*Demonstrate understanding of relevant aspects of quality management	3	1	
	ELECTIVE (at least 10 credits)			
31	Demonstrate understanding of relevant aspects of Lumber Milling mathematics and / or	3	15	
32	Control lumber grading and / or	3	20	
33	Set up and operate primary log breakdown facilities in green timber processing area of Lumber Mill and / or	3	10	
34	Follow procedures to assist to set up and operate finger-jointing and laminating equipment and / or	3	20	
35	Demonstrate understanding of details of lumber grading	3	20	

* The Unit Standards for those marked with asterisks in the “Core” components of learning will have to be drawn from other organizing fields, or will have to be developed. They are not industry specific and have therefore not been developed by the Lumber Milling SGB.