

NATIONAL CERTIFICATE IN WOOD TECHNOLOGY: LUMBER MILLING (LUMBER DRYING) LEVEL 2

| | <u>UNIT STANDARD TITLE</u> | <u>UNIT STANDARD NQF LEVEL</u> | <u>UNIT STANDARD CREDIT</u> | <u>SAQA UNIT STANDARD ID NUMBER</u> |
|----|---|--------------------------------|-----------------------------|-------------------------------------|
| | FUNDAMENTAL | | | |
| 1 | Maintain and adapt oral communication | 2 | 5 | |
| 2 | Access and use information from texts | 2 | 5 | |
| 3 | Write for a defined text | 2 | 5 | |
| 4 | Use language and communication in occupational learning programmes | 2 | 5 | |
| 5 | Demonstrate understanding of rational and irrational numbers, and number systems, within the context of relevant calculations | 2 | 3 | 8982 |
| 6 | Use mathematics to investigate and monitor the financial aspects of personal and community life | 2 | 2 | 8983 |
| 7 | Apply basic knowledge of statistics in order to investigate life and work related problems | 2 | 3 | 9009 |
| 8 | Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in 2-dimensions in different life or workplace contexts | 2 | 3 | 9008 |
| 9 | Work with a range of patterns and functions to solve problems | 2 | 5 | 9007 |
| | CORE | | | |
| 10 | Demonstrate basic knowledge of kiln types | 2 | 3 | |
| 11 | Lead stacking team | 2 | 3 | |
| 12 | Follow procedures to assist in sample preparation | 2 | 10 | |
| 13 | Follow procedures to assist to prepare load for drying | 2 | 5 | |
| 14 | Demonstrate understanding of basic principles of kiln schedule | 2 | 15 | |
| 15 | Demonstrate basic knowledge of drying defects | 2 | 5 | |
| 16 | Lead team in load movements | 2 | 2 | |
| 17 | Perform basic maintenance and lubrication | 2 | 10 | |
| 18 | Demonstrate understanding of different parts of tree and its stem on cross-section | 2 | 5 | |
| 19 | *Demonstrate understanding of relevant aspects of the Labour Relations Act | 2 | 1 | |
| 20 | *Demonstrate understanding of relevant aspects of the Employment Equity Act | 2 | 1 | |
| 21 | *Demonstrate understanding of relevant aspects of the Skills Development Act | 2 | 1 | |
| 22 | *Demonstrate understanding of relevant aspects of the Basic Conditions of Employment Act | 2 | 1 | |
| 23 | *Demonstrate understanding of relevant aspects of computer literacy | 2 | 1 | |
| 24 | *Demonstrate understanding of relevant aspects of business principles | 2 | 1 | |
| 25 | *Demonstrate understanding of relevant aspects of environmental management | 2 | 1 | |
| 26 | *Demonstrate understanding of relevant aspects of quality management | 2 | 1 | |
| | ELECTIVE (at least 20 credits) | | | |
| 27 | Demonstrate understanding of the relevant aspects of lumber milling mathematics and / or | 2 | 16 | |
| 28 | Demonstrate understanding of details of lumber grading and / or | 2 | 20 | |
| 29 | Demonstrate understanding of details of dry lumber conversion and / or | 2 | 20 | |

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|----|--|---|----|--|
| 30 | Follow procedures to assist to set up and operate finger-jointing and laminating equipment and / or | 2 | 20 | |
| 31 | Follow procedures to assist to set up log-yard facilities and / or | 2 | 10 | |
| 32 | Follow procedures to assist to set up wet mill facilities | 2 | 15 | |

* 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.