

## NATIONAL CERTIFICATE IN WOOD TECHNOLOGY: LUMBER MILLING (DRY LUMBER PROCESSING) 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> |
|----|---|--------------------------------|-----------------------------|-------------------------------------|
|    | <b>FUNDAMENTAL</b>  |                                |                             |                                     |
| 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                                |
|    | <b>CORE</b>   |                                |                             |                                     |
| 10 | Demonstrate understanding of the different parts of a tree  | 2                              | 5                           |                                     |
| 11 | Perform basic maintenance and lubrication   | 2                              | 10                          |                                     |
|    | <b>PLUS ONE OR MORE OF THE FOLLOWING</b>  |                                |                             |                                     |
|    | <b>Lumber Grading Option</b>  |                                |                             |                                     |
| 12 | Demonstrate understanding of specific details of lumber grading process   | 2                              | 20                          |                                     |
| 13 | Follow procedures to assist in grading lumber   | 2                              | 20                          |                                     |
|    | <b>OR</b>   |                                |                             |                                     |
|    | <b>Dry Mill Conversion Option</b>   |                                |                             |                                     |
| 14 | Demonstrate understanding of details of dry mill conversion process   | 2                              | 20                          |                                     |
| 15 | Follow procedures to assist in carrying out dry mill conversion process   | 2                              | 20                          |                                     |
|    | <b>OR</b>   |                                |                             |                                     |
|    | <b>Finger-Jointing &amp; Laminating</b>   |                                |                             |                                     |
| 16 | Organise materials for process  | 2                              | 10                          |                                     |
| 17 | Follow procedures to assist in glue application and operating this equipment  | 2                              | 20                          |                                     |
| 18 | Follow procedures to set up and operate finger-jointing and laminating equipment  | 2                              | 20                          |                                     |
|    | <b>PLUS</b>   |                                |                             |                                     |
| 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                           |                                     |

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|    | <b>ELECTIVE (at least 31 credits)</b>   |                                |                             |                                |
| 27 | Demonstrate understanding of the relevant details of special mathematics for lumber milling<br>and / or | 2                              | 16                          |                                |
| 28 | Follow procedures to assist to set up green timber processing facilities in the wet mill<br>and / or    | 2                              | 15                          |                                |
| 29 | Demonstrate understanding of specific details of lumber grading<br>and / or                             | 2                              | 20                          |                                |
| 30 | Demonstrate understanding of the relevant details of the lumber drying area<br>and / or                 | 2                              | 15                          |                                |
| 31 | Demonstrate understanding of details of dry milling process<br>and / or                                 | 2                              | 20                          |                                |
| 31 | Follow procedures to assist to set up and operate finger-jointing and laminating equipment              | 2                              | 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.