

## Appendix 2: National Technical and Vocational Education and Training Qualifications Framework (NTVETQF) and Level Descriptors

The NTVETQC prescribes a nine-level National TVET Qualification Framework for the TVET Sector in Ghana. The levels are as follows

Levels	Qualification
9	Doctor of Technology
8	Master of Technology
7	Bachelor of Technology
6	Higher Diploma
5	Diploma
4	Certificate II
3	Certificate I
2	Proficiency II
1	Proficiency I

### Level Descriptors for NTVETQF

The NTVETQC prescribes the following level descriptors for the Qualification Framework. The level descriptors are as follows

#### Level Descriptors

Level	Qualifications	Enables learners to: (Knowledge)	Enables learners to carry out processes that: (Skills & Attitude)
1	Proficiency 1		<ol style="list-style-type: none"> <li>i. confirm competence in the use and handling of hand tools of the trade.</li> <li>2. Require basic skills of trade and craft and the ability to perform routine and predictable tasks.</li> <li>3. Require close supervision.</li> <li>4. Require practical and oral tests for qualification.</li> </ol>
2	Proficiency 2	1. Demonstrate basic numeracy,	1. confirm competence in the use and

		<p>literary IT and entrepreneur skills.</p> <p>2. Enable learners to be assessed orally,</p>	<p>handling of hand tools and machinery.</p> <p>2. Require performance of varied activities that are routine, predictable and non-complex in nature.</p> <p>3. Require limited supervision.</p> <p>4. Require practical and oral tests for qualification.</p>
3	Certificate 1	<p>1. Demonstrate a broad knowledge base incorporating some technical concepts.</p> <p>2. Demonstrate knowledge of the theoretical basis of practical skills.</p> <p>3. Demonstrate knowledge in numeracy, literacy, IT and entrepreneur skills.</p>	<p>1. Require a wide range of technical skills.</p> <p>2. Are applied in a variety of familiar and complex contexts with minimum supervision.</p> <p>3. Require collaboration with others in a team.</p>
4.	Certificate 2	<p>1. Demonstrate broad knowledge base with substantial depth in area(s) of study.</p> <p>2. Demonstrate a command of analytical interpretation of a range of data.</p> <p>3. Present results of their study accurately and reliably.</p>	<p>1. Require broad skilled competence in different tasks in varied contexts.</p> <p>2. Require a wide range of technical and supervisory skills.</p> <p>3. Are employed in different contexts.</p>
5	Diploma	<p>1. Demonstrate specialised in-depth knowledge in their area(s) of study.</p> <p>2. Analyse and interpret a range of data and be able to determine appropriate methods and procedures to deal with a wide range of problems.</p>	<p>1. Require the ability to adapt and apply knowledge and skills to specific contexts in a broad range of work activities.</p> <p>2. Demand specialised technical and /or supervisory skills.</p> <p>3. Require minimum supervision.</p>

		3. Communicate methods, procedures and outcomes accurately and reliably.	
6.	Higher Diploma (HD)	<p>1. Demonstrate considerable theoretical knowledge and solid practical skills in their areas(s) of study.</p> <p>2. Integrate, contextualise and apply knowledge to a range of complex technical or professional activities.</p> <p>3. Have a command of planning analytical, supervisory and management functions under minimum direction.</p> <p>4. Display qualities and transferable skills for employment.</p>	<p>1. Require a wide range of highly specialised technical and / or managerial with conceptual and creative skills.</p> <p>2. Require qualities and transferable skills necessary for formal and self-employment.</p> <p>3. Involve some level of organisational ability, resource mobilisation, management and personal responsibility.</p> <p>4. Ability to work or lead a group.</p>
7.	Bachelor of Technology (B. Tech.)	<p>1. Demonstrate high level conceptual knowledge in a broad range of complex and changing contexts.</p> <p>2. Demonstrate basic research skills.</p> <p>3. Undertake tasks involving high level organisational ability, resource mobilisation, management and personal responsibility.</p> <p>4. Demonstrate a significant degree of strategic thinking and judgment.</p>	<p>1. Apply methods, techniques and modes of practices learnt and reviewed, to consolidate, extend and apply their knowledge and understanding to initiate and carry out projects.</p> <p>2. Promote further training, development of existing skills and acquisition of new competencies that will enable them to assume responsibility within organizations in self-employment.</p> <p>3. Require qualities and transfer of skills necessary for formal and self employment.</p> <p>4. Communicate information in a variety of formats appropriate to both specialists and non-specialist audiences.</p>

		5. Have a high level of supervisory and management capabilities.	
8.	Master of Technology (M. Tech.)	<ol style="list-style-type: none"> <li>1. Have a systematic understanding of knowledge and a critical awareness of current problems and/or new insights in the academic fields of study or area of professional practice.</li> <li>2. Possess comprehensive Understanding of relevant techniques in research or advanced scholarship.</li> <li>3. Demonstrate originality in the application of knowledge, together with a practical understanding of established techniques of research.</li> <li>4. Critically evaluate current research, methodologies and advanced scholarships in the discipline, and where appropriate, to propose new hypothesis.</li> </ol>	<ol style="list-style-type: none"> <li>1. Involve the resolution of complex issues and making sound judgment in the absence of complex data, and communicating these conclusions to both specialists and non- specialist audiences.</li> <li>2. Require self-direction and originality in tackling and solving problems, and acting independently in planning and implementing tasks at a professional or equivalent level.</li> <li>3. Continue to advance their knowledge and understanding, and to develop new skills to a high level.</li> <li>4. Promote qualities and transferable skills necessary for employment, initiative and personal responsibility and decision making in complex and unpredictable situations, and the exhibition of independent learning ability required for continuing professional development.</li> </ol>
9.	Doctor of Technology (D. Tech)	<ol style="list-style-type: none"> <li>1. Creation of new knowledge through research of the quality that extends the frontier of knowledge in the discipline.</li> <li>2. A substantial acquisition of knowledge which is at the forefront of technology or area of professional practice.</li> <li>3. Ability to conceptualise, design and implement a project to generate new knowledge, or applications at the frontier of technology or professional practice.</li> </ol>	<ol style="list-style-type: none"> <li>1. Make informed judgment on complex issues in the area of technology or professional practice often in the absence of complete data and be able to communicate ideas and conclusions clearly to specialist and non-specialists in the discipline.</li> <li>2. Exhibit qualities and transferable skills necessary for employment requiring the exercise of personal responsibility and initiative in complex and unpredictable situations.</li> </ol>

		4. Comprehensive and detailed knowledge and application of research methodology applicable to complex enquiry.	
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\*Unless otherwise stated written and practical assessment shall be carried out for this qualification.