National Vocational Certificate in Information and Communication Technology (Web Development) (Level 4)

NQF Level of qualification: 4

Total credits available: 50

Total credits required: 50

	Compulsory	**Elective**
level 3 credits available	**10**	**-**
level 4 credits available	**40**	**-**
Minimum Credit required	**50**	**-**

Registration date: 30 July 2020

Scheduled review date: 30 July 2025

Body responsible for the qualification: Namibia Training Authority through the Post and Telecomunications Industry Skills Committee.

Other bodies whose unit standards are included in the qualification: None

1. Purpose

This qualification recognises people who have the competencies required for performing web development tasks. It is awarded to people who have demonstrated the skills and knowledge required to demonstrate an understanding of database concepts, create basic database, perform basic Hypertext Markup Language (HTML) development, demonstrate an understanding of web development fundamentals, demonstrate an understanding of web design tools and user interface.

The entry requirement for this qualification is an ordinary level certificate or equivalent qualification and the ability to demonstrate basic computer skills, basic communication skills in the english language and basic numeracy. and or the National Vocational Certificate in Information and Communication Technology – Foundation (Level 2). This has been done in order remove barriers of formal educational prerequisites.

This qualification leads vertically to National Vocational Certificate in Information and Communication Technology (Web Development) (Level 5) through participating in full time study at an accredited training provider or through RPL (Recognition of Prior Learning).

2. Regulations for the qualification

2.1 Summary of qualification requirements

This qualification will be awarded to people who are credited with a minimum of 68 credits and have met the requirements of the compulsory section, as well as all requirements for Workplace Integrated Learning (WIL) as laid out in the National Policy On Work-Integrated Learning for Technical and Vocational Education and Training (TVET).

2.2 Detailed qualification requirements

Compulsory
All the unit standards listed below are required.

Field: Manufacturing, Engineering and Technology
Subfield: Information and Communication Technology
Domain: Web Development

Unit No.	Unit Standard Title	Level	Credits
2312	Demonstrate an understanding of database concepts	4	10
2313	Create basic database	4	10
2314	Perform basic Hypertext Markup Language (HTML) development	4	10
2311	Demonstrate an understanding of web development fundamentals	3	10
2315	Demonstrate an understanding of web design tools and user interface	4	10

3. Credit recognition and transfer arrangements

Credits for any version of a unit standard of the same identification number will be recognised in the award of this qualification.

4. Special arrangements

4.1 Providers seeking accreditation and registration to deliver this qualification must meet the following special arrangements

4.1.1 This qualification will be offered to trainees *either* including a 6 months period of **industrial/job attachment**, *or* as an **apprenticeship scheme** of a duration determined and agreed upon by the employer and the training provider on a ratio of 70/30 (70% at workplace and 30% at Training institution) basis.

Industrial/job attachment is defined as a period in a workplace setting where a trainee obtains structured practical experience in a specific occupation in order to complement competencies acquired during training at a technical vocational training provider (TVTP).

Apprenticeship refers to the system of work integrated learning, where an apprentice is employed by a company on contractual basis, earning a monthly salary, learning and working side-by-side with an experienced mentor. In this case the employer must be an NTA approved entity (company) to register apprentices and has to identify a suitable training provider to provide the apprentice with the opportunity to gain skills and knowledge from theoretical training.

Employers and training providers are encouraged to consult the **National Policy On Work-Integrated Learning (WIL) for Technical and Vocational Education and Training (TVET) Sector** for further details on WIL implementation.

4.1.2   Providers involved in the assessment of this qualification and the associated unit standards must comply with the national assessment arrangements for the VET system up to and including level 5 of the Namibia Qualifications Framework. Assesment will include performance and achievement assessment acquired through work integrated learning period. Assessment arrangement apply to all occupations and industries which are encomposed in the technical vocational education sector.

4.1.3   Providers of this qualification and the associated unit standards must be registered and /or accredited.

4.1.4   Providers of this qualification and their associated unit standards must have access to all equipment and facilities detailed in the tools and equipment list fo the of the relevant training program.

4.2   Competencies covered in this qualification may be assessed through Recognition of Prior Learning (RPL).

4.3   Further relevant information and documentation may be accessed through:

Namibia Training Authority
10 Rand Street
Khomasdal
Namibia
Telephone number: 061 207 8550
Facsimile number: 061 207 8551

5.   TRANSITION ARRANGEMENTS

5.1   Non National Qualifications Framework transition

None

5.2   National Qualifications Framework transition

This is the first version of this qualification.

National Vocational Certificate in Information and Communication Technology (Web Development) (Level 5)

NQF Level of qualification: 5

Total credits available: 63

Total credits required: 63

	Compulsory	Elective
level 3 credits available	**17**	**-**
level 4 credits available	**7**	**-**
level 5 credits available	**39**	**-**
Minimum Credit required	**63**	**-**

Registration date: 30 July 2020

Scheduled review date: 30 July 2020

Body responsible for the qualification:

Body responsible for the qualification: Namibia Training Authority through the Post and Telecomunications Industry Skills Committee.

Other bodies whose unit standards are included in the qualification: None

1.   Purpose

This qualification recognises people who have the competencies required for performing web development tasks. It is awarded to people who have demonstrated the skills and knowledge required to perform advanced database queries, perform advanced HTML development, perform server-side web development, demonstrate an understanding of Content Management System (CMS), demonstrate an understanding of fault tolerance and disaster recovery.They further have a good understanding to identify, create and select business opportunities and develop a business plan as part ofbusiness start-up activities.

This qualification is designed to be accessible and flexible. The entry requirement is the National Vocational Certificate in Information and Communication Technology (Web Development) (Level 4) or equivalent.

2.   Regulations for the qualification

2.1   summary of qualification requirements

This qualification will be awarded to people who are credited with a minimum of 63 credits and have met the requirements of the compulsory section, as well as all requirements for Workplace Integrated Learning (WIL) as laid out in the National Policy On Work-Integrated Learning for Technical and Vocational Education and Training (TVET).

2.2   Detailed qualification requirements

Compulsory
All the unit standards listed below are required.

Field: Manufacturing, Engineering and Technology
Subfield: Information and Communication Technology
Domain: Web Development

Unit No.	Unit Standard Title	Level	Credits
2316	Perform advanced database queries	5	3
2317	Perform advanced HTML development	5	13
2318	Perform server-side web development	5	13
2319	Demonstrate an understanding of Content Management System (CMS)	5	10

AND
Field: Manufacturing, Engineering and Technology
Subfield: Information and Communication Technology
Domain: Networking

Unit No.	Unit Standard Title	Level	Credits
2303	Demonstrate an understanding of fault tolerance and disaster recovery	4	7

AND
FIELD: Business, Commerce and Management Studies
Subfield: Business Development
Domain: Entrepreneurship

Unit ID	Unit Standard Title	Level	Credits
733	Identify, create and select business opportunities	3	5
734	Develop a business plan as part of business start-up activities	3	12

3.   Credit recognition and transfer arrangements

Credits for any version of a unit standard of the same identification number will be recognised in the award of this qualification.

4. Special arrangements

4.1 Providers seeking accreditation and registration to deliver this qualification must meet the following special arrangements

4.1.1 This qualification will be offered to trainees *_either_* including a 6 months period of **industrial/job attachment**, *_or_* as an **apprenticeship scheme** of a duration determined and agreed upon by the employer and the training provider on a ratio of 70/30 (70% at workplace and 30% at Training institution) basis.

Industrial/job attachment is defined as a period in a workplace setting where a trainee obtains structured practical experience in a specific occupation in order to complement competencies acquired during training at a technical vocational training provider (TVTP).

Apprenticeship refers to the system of work integrated learning, where an apprentice is employed by a company on contractual basis, earning a monthly salary, learning and working side-by-side with an experienced mentor. In this case the employer must be an NTA approved entity (company) to register apprentices and has to identify a suitable training provider to provide the apprentice with the opportunity to gain skills and knowledge from theoretical training.

Employers and training providers are encouraged to consult the **National Policy On Work-Integrated Learning (WIL) for Technical and Vocational Education and Training (TVET) Sector** for further details on WIL implementation.

4.1.2 Providers involved in the assessment of this qualification and the associated unit standards must comply with the national assessment arrangements for the VET system up to and including level 5 of the Namibia Qualifications Framework. Assesment will include performance and achievement assessment acquired through work integrated learning period. Assessment arrangement apply to all occupations and industries which are encomposed in the technical vocational education sector.

4.1.3 Providers of this qualification and the associated unit standards must be registered and /or accredited.

4.1.4 Providers of this qualification and their associated unit standards must have access to all equipment and facilities detailed in the tools and equipment list fo the of the relevant training program.

4.2 Competencies covered in this qualification may be assessed through Recognition of Prior Learning (RPL).

4.3 Further relevant information and documentation may be accessed through:

Namibia Training Authority
10 Rand Street
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5. TRANSITION ARRANGEMENTS

5.1 Non National Qualifications Framework transition

None

5.2 National Qualifications Framework transition

This is the first version of this qualification.