|  |
| --- |
| **National Vocational Certificate in Livestock Production** (Level 3)  |

**Level of qualification: 3**

|  |  |  |
| --- | --- | --- |
|  | **Compulsory** | **Elective** |
| **Level 3 credits available**  | **55** | **61** |
| **Level 2 credits available**  | **10** | **24** |
| **Level 4 credits available** | **4** | **4** |
| **Minimum totals required** | **69** | **31** |

**Registration date: June 2022**

**Scheduled review date: 2027**

**Body responsible for the qualification:** Namibia Training Authority - NTA

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

# Purpose

This qualification recognises people who have the competencies required for performing agricultural tasks. It is awarded to people who have demonstrated the skills and knowledge required to work effectively in the agriculture industry to appraise livestock for breeding, manage problem animals in farm land, manage undesirable plant encroachment and utilisation of rangeland; coordinate feed and supplement provision for livestock, livestock husbandry and movement of livestock; maintain livestock health and housing environment; prevent and respond to wildfire, coordinate workforce in agriculture, prepare a basic farm enterprise plan, maintain agricultural records and sell farm produce; maintain farm roads and coordinate construction, repair and maintenance of fences, crush pens and kraals; demonstrate knowledge of the livestock industry; and economic and social contribution of agronomic and horticulture industry in Namibia. It also requires electives with a minimum total of 31 credits in which s**kills sets are offered as elective In Poultry and Pigs strands.**

People seeking this qualification must complete any one of the elective strands Pigs or Poultry. Providers wishing to design programs of learning related to this qualification could develop courses related to either or both modules.

The entry requirement is the National Vocational Certificate in Livestock Husbandry (Level 2).

This qualification leads to the National Vocational Certificate in Agriculture (Level 4).

#  Regulations for the qualification

#  Summary of qualification requirements

This qualification will be awarded to people with a minimum of 100 credits and have met the requirements of both the compulsory and elective sections.

* 1. Detailed qualification requirements

**Compulsory**

*All the unit standards listed below are required.*

FIELD: Agriculture and Nature Conservation

Subfield: Livestock & Poultry

Domain: Animal Husbandry

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1361 | Appraise livestock | 3 | 3 |
| Unit ID: 1362 | Coordinate feed and supplement provision for livestock  | 3 | 3 |
| Unit ID: 1363 | Coordinate livestock husbandry | 3 | 4 |
| Unit ID: 1364 | Coordinate movement of livestock | 3 | 4 |

FIELD: Agriculture and Nature Conservation

Subfield: Livestock & Poultry

Domain: Animal Health

|  |  |  |  |
| --- | --- | --- | --- |
| Unit ID: 1366 | Maintain livestock health | 3 | 5 |

FIELD: Agriculture and Nature Conservation

Subfield: Natural Resources Management

Domain: Farm Ecosystem Management

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1394 | Prevent and respond to wildfire | 3 | 4 |

FIELD: Agriculture and Nature Conservation

Subfield: Agronomy and Horticulture

Domain: Plant Husbandry

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1309 | Demonstrate knowledge of the economic and social contribution of the agronomic and Horticulture industry Namibia  | 2 | 2 |

FIELD: Agriculture and Nature Conservation

Subfield: Machinery and Equipment

Domain: Operate machinery, Tools and Equipment

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: FMI 2 | Operate Agriculture large production machinery and equipment | 2 | 4 |

FIELD: Agriculture and Nature Conservation

Subfield: Machinery and Equipment

Domain: Repairs and maintenance

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1391 | Maintain Workshop equipment | 2 | 2 |

FIELD: Agriculture and Nature Conservation

Subfield: Infrastructure

Domain: Roads, Kraals and fences

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1343 | Coordinate construction, repair and maintenance tasks for farm fences, crush pens and kraals | 3 | 5 |
| Unit ID: 1342 | Maintain farm roads | 2 | 2 |

FIELD: Agriculture and Nature Conservation

Subfield: Farm management

Domain: Farm Business

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: FB1 | Prepare a basic farm enterprise plan | 4 | 7 |

FIELD: Agriculture and Nature Conservation

Subfield: Farm management

Domain: Human Resources management

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1332 | Coordinate workforce in agriculture | 3 | 4 |

FIELD: Agriculture and Nature Conservation

Subfield: Farm Management

Domain: Record Keeping

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1335 | Maintain agricultural records | 3 | 2 |

FIELD: Agriculture and Nature Conservation

Subfield: Farm Management

Domain: Farm Business

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1334 | Sell farm produce | 3 | 2 |

FIELD: Agriculture and Nature Conservation

Subfield: Farm Management

Domain: Farm Production

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1329 | Demonstrate knowledge of the livestock industry in Namibia  | 3 | 3 |

FIELD: Agriculture and Nature Conservation

Subfield: Natural Resources Management

Domain: Farm Ecosystem Management

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1395  | Coordinate tasks to reduce problem animals in farming | 3 | 4 |

FIELD: Agriculture and Nature Conservation

Subfield: Rangeland and Pastures

Domain: Natural Rangeland

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1397  | Coordinate tasks to manage undesirable plant encroachment in rangeland  | 3 | 3 |
| Unit ID: 1398 | Coordinate tasks for optimum utilisation of rangeland | 3 | 8 |

**The minimum required credit for electives is 31.**

**Electives Sets**

The unit standards under the following must be selected together as an elective strand.

**Strand A: Pig Production**

*Credits are required for all unit standards listed below.*

FIELD: Agriculture and Nature Conservation

Subfield: Livestock & Poultry

Domain: Pigs

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: PG1 | Demonstrate knowledge on pig production systems | 3 | 3 |
| Unit ID: PG2 | Manage farrow | 3 | 3 |
| Unit ID: PG3 | Raise piglets to weaning | 2 | 4 |
| Unit ID: PG4 | Maintain health and welfare of pigs | 3 | 4 |
| Unit ID: PG5 | Provide care for weaner and grower pigs | 2 | 4 |
| Unit ID: PG6 | Move and handle pigs | 2 | 2 |

**Strand B: Poultry Production**

*Credits are required for all unit standards listed below.*

FIELD: Agriculture and Nature Conservation

Subfield: Livestock & Poultry

Domain: Poultry

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: P01 | Handle eggs | 2 | 3 |
| Unit ID: P02 | Brood chicks | 2 | 3 |
| Unit ID: P05 | Incubate eggs | 3 | 4 |
| Unit ID: P06 | Rear poultry birds | 3 | 4 |
| Unit ID: P07 | Maintain poultry house and biosecurity | 3 | 4 |
| Unit ID: P08 | Maintain poultry health | 3 | 4 |

***Supplementary credits can be independently selected from the following unit standards.***

FIELD: Agriculture and Nature Conservation

Subfield: Livestock & Poultry

Domain: Animal Husbandry

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1365  | Maintain farm animal housing environment | 3 | 3 |
| Unit ID: NF | Demonstrate knowledge of animal niche farming in Namibia | 3 | 2 |
| Unit ID: AB1 | Formulate a basic livestock breeding program | 4 | 4 |

FIELD: Agriculture and Nature Conservation

Subfield: Livestock & Poultry

Domain: Food value addition

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: FVA1  | Handle and process meat | 3 | 3 |
| Unit ID: FVA03 | Add value to dairy products | 3 | 3 |

FIELD: Agriculture and Nature Conservation

Subfield: Livestock & Poultry

Domain: Swakara

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1376  | Demonstrate knowledge of Swakara pelt traits for marketing  | 3 | 5 |
| Unit ID: 1377  | Describe Swakara  | 3 | 4 |

FIELD: Agriculture and Nature Conservation

Subfield: Livestock & Poultry

Domain: Dairy

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1368 | Manage lactation cycles in dairy animals | 3 | 2 |

FIELD: Agriculture and Nature Conservation

Subfield: Natural Resources Management

Domain: Game

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: GF1 | Demonstrate knowledge of game farming in Namibia | 3 | 2 |

FIELD: Agriculture and Nature Conservation

Subfield: Agronomy and Horticulture

Domain: Plant Husbandry

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1306 | Apply pest, disease, disorder and weeds | 2 | 4 |
| Unit ID: 1322 | Demonstrate knowledge of crop physiology  | 3 | 3 |
| Unit ID: 1314 | Monitor infestation, infection and disorders  | 2 | 3 |

FIELD: Agriculture and Nature Conservation

Subfield: Machinery and Equipment

Domain: Operate Machinery, Tools and Equipment

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1380 | [Operate simple irrigation systems](https://dl-web.dropbox.com/Downloads/Mechanisation/Operate%20%20simple%20%20irrigation%20systems%20-%20L2.docx) | 2 | 5 |

FIELD: Agriculture and Nature Conservation

Subfield: Infrastructure

Domain: Buildings and Fixtures

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit No.** | **Unit Standard Title** | **Level** | **Credit** |
| Unit ID: 1339  | Carry out repairs and maintenance of basic energy structures on the farm | 3 | 2 |

# 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.

# Special arrangements

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

4.1.1 This qualification will be offered to trainees **either** including two periods of 3 months of **industrial/job attachment at the end of the level 2 and level 3 qualifications, where it is recommended that the attachment of one period can done at a training centre to develop a Portfolio of Evidence (POE) and be mentored on site and 3 months in the industry for further exposure**, ***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 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 framework for the TVET system up to and including level 5 of the National Qualifications Framework. Assessment will include performance and achievement assessment acquired through work integrated learning periods.

Assessment arrangements apply to all occupations and industries which are encompassed in the technical vocational education and training sector.

 Assessment for this Qualification can be based on Portfolio of evidence in conjunction with at least one outcome-based product evaluation.

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 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

# TRANSITION ARRANGEMENTS

* 1. Non National Qualifications Framework transition

 None

* 1. National Qualifications Framework transition

 This is the second version of this qualification.