



CPT

SKILLS DEVELOPMENT SOLUTIONS



Learnerships



Skills
Programmes

FETC: Production Technology NQF 4

SAQA ID.: 58779

General Information

| | |
|------------------------------|-----------------------------|
| Qualification Title | FETC: Production Technology |
| SAQA Qualification ID | 58779 |
| NQF Level | NQF 4 |
| Minimum Credits | 143 |
| Primary ETQA | MerSETA |
| Registration Status | Registered |

Purpose of the Qualification

The combination of learning outcomes that comprise this qualification will provide the qualifying learner with vocational knowledge and skills appropriate to the context of production technology. This qualification provides learners with the range of learning and skills required to be able to perform a series of activities to support manufacturing, engineering and technology processes. Learners will acquire a range of skills in the identification of production parameters in manufacturing, engineering and technology industries and basic strategies to achieve them.

The qualifying learner will be able to:

- Measure, control and improve factors influencing productivity.
- Contribute to budgeting processes in an operational unit to optimise resources.
- Solve operational problems in a production process.
- Promote, implement and maintain procedures that support quality assurance and control.

This qualification is the third qualification in a pathway of three (3) qualifications for learners in the production technology environment.

Rationale for the Qualification

As a result of an increased need for efficient and quality production processes in the manufacturing, engineering and technology field, the demand for production technology competencies has become more evident.

This qualification contributes to the industries in manufacturing and related fields which will allow learners who achieve the qualification to contribute and function in areas such as production processes, systems and maintenance, quality and occupational health and safety. Learners who will typically embark on this qualification are individuals who have an interest in a career in production technology. The production technology competencies incorporated in this qualification can also be offered as support skills programmes to incumbents in any other manufacturing, engineering and technology field qualifications.

This qualification will add value to a specific manufacturing, engineering and technology context by complementing contexts specific qualifications within these sectors. The supportive relationship between occupational qualifications and this suite of qualifications is embedded in the inclusion of production technology competencies that have previously not been included in mainstream production, manufacturing and technological qualifications in order to address these identified gaps.

These qualifications have therefore been designed in such a way to firstly, facilitate the building of a pool of people that can choose a career in a production, engineering, manufacturing field and secondly, to allow any of the manufacturing and related qualifications to utilise the production technology qualifications as entry qualifications in these industries, since they would include the production technology competencies that these industries require.

Modules

| FETC: Production Technology NQF 4 SAQA ID.: 58779 | | | |
|--|---------------------------------------|--|---------------------------|
| Module No.: | Name of Module | Unit Standards | Duration of Module |
| PoE 01 | Plan and Prepare a POE for Assessment | | 1 Day |
| Module 1 | Communication Skills 1 | 119457, 119465, 119469, 119459 | 5 Days |
| Module 2 | Communication Skills 2 | 119472, 119467, 119462, 119471 | 5 Days |
| Module 3 | Measurement and Statistics | 9015, 9016 | 6 Days |
| Interim Assessments of POE (Learners not Required) | | | |
| Module 4 | Quality in the Workplace | 14586 | 5 Days |
| Module 5 | Supervisory Techniques | 10981, 11473, 13914, 14609 | 5 Days |
| Module 6 | Labour Relations | 13952 | 3 Days |
| Interim Assessments of POE (Learners not Required) | | | |
| Module 7 | Optimising Production | 114884, 114877, 116284, 116287, 243025 | 5 Days |
| Module 8 | Personal and Business Finance | 7468, 117156, 120375 | 5 Days |
| Total Number of Classroom Days: | | | 41 Days |
| Final Assessments & Practical (Learners Required) <i>Please note: We can only accommodate 6 learners per day for practical's</i> | | | |

Core Unit Standards

| Unit Standard No.: | Name of Unit Standard | Credits |
|---------------------------|--|----------------|
| 243025 | Monitor machining process, interpret statistical process control charts, and rectify production problems | 7 |
| 114884 | Co-ordinate the improvement of productivity within a functional unit | 8 |
| 13952 | Demonstrate basic understanding of the Primary labour legislation that impacts on a business unit | 8 |
| 114877 | Formulate and implement an action plan to improve productivity within an organisational unit | 8 |

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|--|--|----|
| 14586 | Monitor and control quality control practices in a manufacturing/engineering environment | 8 |
| 120375 | Participate in the estimation and preparation of cost budget for a project or sub project and monitor and control actual cost against budget | 6 |
| 116287 | Schedule and monitor production | 12 |
| 116284 | Solve operational problems in a manufacturing / assembly context | 10 |
| Note: ALL CORE Unit Standards are covered - 67 credits | | |

Fundamental Unit Standards

| Unit Standard No.: | Name of Unit Standard | Credits |
|---|---|---------|
| 119472 | Accommodate audience and context needs in oral/signed communication | 5 |
| 119457 | Interpret and use information from texts | 5 |
| 119467 | Use language and communication in occupational learning programmes | 5 |
| 119465 | Write/present/sign texts for a range of communicative contexts | 5 |
| 9015 | Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems | 6 |
| 119462 | Engage in sustained oral/signed communication and evaluate spoken/signed texts | 5 |
| 119469 | Read/view, analyse and respond to a variety of texts | 5 |
| 9016 | Represent analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts | 4 |
| 119471 | Use language and communication in occupational learning programmes | 5 |
| 7468 | Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues | 6 |
| 119459 | Write/present/sign for a wide range of contexts | 5 |
| Note: ALL FUNDAMENTAL Unit Standards are covered - 56 credits | | |

Elective Unit Standards

| Unit Standard No.: | Name of Unit Standard | Credits |
|--|---|---------|
| 117156 | Interpret Basic financial Statements | 4 |
| 11473 | Manage individual and team performance | 8 |
| 10981 | Supervise work unit to achieve work unit objectives (individuals and teams) | 12 |
| 14609 | Participate in the management of conflict | 4 |
| Note: ELECTIVE unit standards covered equal - 28 credits | | |

During the Learnership

During the Learnership the learner will be required to attend class for each module. The lecturer is there to assist the learners in their studies to successfully complete the Learnership. The learner will receive the following during the Learnership:

- At the beginning of the Learnership the learner will be supplied with their Portfolio of Evidence and will spend time on the first day of class putting together their Portfolio of evidence so the learner knows how their portfolio works.
- For each module the learner will receive a workbook with the relevant information relating to the Unit Standards for that module.
- The learner will go through continuous assessments during the learnership to make sure all the relevant exercises are completed satisfactorily.
- At the end of the theory part of the learnership a Senior Assessor will conduct the final assessment as well as the practical for the Learnership.

Once the final assessments are completed the Final Assessor will bring all the Portfolios back to the College for Internal Moderation. Once the Internal Moderator is satisfied with the Portfolios CPT will arrange with the relevant SETA to conduct the External Moderation.

The client will be sent a copy of the External Moderation Report showing the final outcome of the Portfolios. CPT will then apply for the Certificates with the relevant SETA on behalf of the client.

Qualification Rules

In order for a learner to successfully enter this learnership, the following must be adhered to:

1. The learner must have a qualification at least one level lower than the respective Learnership they are entering into. For example, if the learner wishes to enter a NQF 3 Learnership then he / she must have an equivalent to a Grade 10 School report or an NQF 2 Qualification in a SIMILAR field as the respective Learnership.
2. The learner must be a South African citizen or a valid work permit with a passport from their country of origin.
3. The Learner will be completing a SETA Learner agreement before commencing on the Learnership. These contracts will be completed with the learner on the first day of class. The learner needs to bring two (2) originally certified copies of their Identification Document as well as two (2) originally certified copies of their Highest Qualification.

Contact Details

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