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# Advanced Certificate in Masonry.

# TVET PROGRAMME

**Purpose**

The purpose of this award is to enable the learner to attain the standards required to achieve the Advanced Certificate through the knowledge, skill and attitudes essential in Masonry, in accordance to the national standards. It is aimed at learners who work or want to work in the construction Industry and specialize in masonry work. This training can also offer you the opportunity to specialize in a particular area of this rewarding field, including building maintenance, home renovations, tiling, concreting, plastering and many more.

## Introduction

The Advanced Certificate in masonry is a two-year (2400hours) training programme offered full-time to secondary five (S5) school leavers and learners from School of Advanced Level (SALs) as well as from another professional centres. This is equivalent to four (4) semesters. Two semesters represents one academic year. The same programme is also offered on part-time to learners already in employment over 6 semesters. Learners on the part-time come to SIT for lectures 1 1/2 days per week.

A learner on full time may exit after a year and qualify for the Certificate after successfully completing all the units from semesters one and two and accumulated 120 credits.

A Mason generally works on domestic, commercial or public buildings and on projects of all sizes. He or She must be prepared to work in both good and bad weather condition

Interpersonal skills, flexibility and a deep body of knowledge are the universal attributes of the outstanding practitioner.



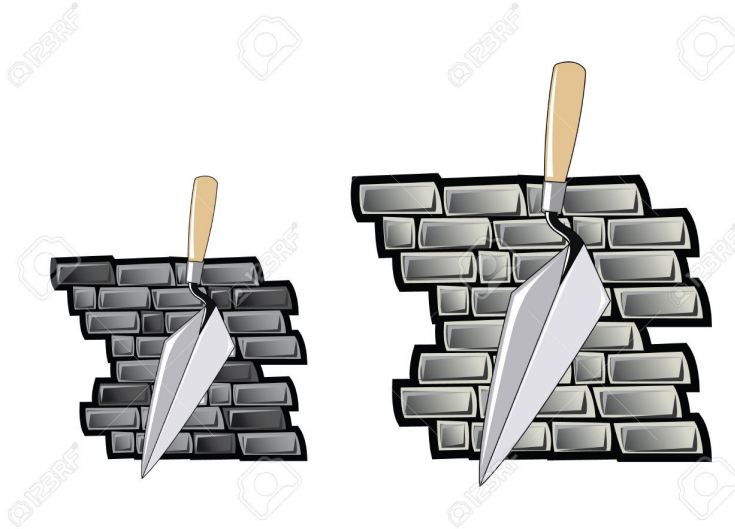


Masons is very much in demand in Seychelles.

## Progression and Further Studies

Graduates on the Advanced Certificate in Masonry can apply for the National Diploma in Construction followed by the Advanced Diploma in Construction.

Graduates with a National Diploma in construction can be accepted in different universities for a degree study in any construction field .



Pass mark for every unit on the programme is 55%.

As per SIT Assessment Policy, the final mark for a unit is made up of 40% of all continuous assessments plus 60% from the results of the final unit assessment (s) and the following grades and corresponding marks are used

| | | |
|---|---|---|
| Not yet Competent | -NYC-0— | 54% |
| Pass | - **P** | 55%-69% |
| Credit or Merit | - **M** or **C** | - 70% - 84% |
| Distinction | - **D** - | 85%+ |

**Career Opportunities in the construction Industry**
**Industry**

Masons are employed to Construct and maintain masonry structures. The mason can also work as sales assistance in hard ware and DIY shops They perform work in different situation and environment. Prospect for those entering this industry are projected to be excellent. The building and construction industry engage masons in the construction of buildings and other structures, alterations, additions, reconstruction, maintenance and repairs of buildings and other structures.

Some of the job opportunities in the construction industry include masons in the Hotel industry, working with contractors, and self-employed masons.





Masonry is closely associated with other parts of the construction industry at all stages, and is equally affected by rapid change in this sector, including growing environmental trends and requirements.

**Entry Criteria**

Learners wishing to apply for the Advanced Certificate in Masonry must have attained a minimum 60% or better from National Exam, in English, Mathematics and Design Technology, Physics + ROA. Applicants from another professional centre may be accepted exiting with a Certificate from that Institution.

**Learners credited with this qualification will be able to:**

- ⇒ Demonstrate a basic understanding of the construction industry and the role/responsibility of masons in Seychelles.
- ⇒ Set out and prepare masonry work areas.
- ⇒ Read and interpret drawings and prepare tools, equipments and materials accordingly.
- ⇒ Apply health, Safety and security procedures in the workplace.
- ⇒ Construct and maintain masonry structures.
- ⇒ Erect stone wall and lay tiles to specifications.
- ⇒ Construct paving and apply rendering to the required standard ect….
- ⇒ Exercise substantial independence in the workplace, taking responsibility for Masonry duties performed by others and interacting with a variety of individuals and groups which includes customers, colleagues and suppliers.

**Certification**

To be awarded an Advanced Certificate in Masonry, the learner must have achieved the expected performance criteria set out in the different elements of each unit that make up the programme. The total credit requirement for this Advanced Certificate is 240 .

This qualification is a level 4 on the National Qualification Framework (NQF).





**Assessment Technique (s) including weighting (s)**

The Advanced Craft Certificate grade is based on a weighted average of all unit result grades. Assessment approach varies from one unit to another. During every unit of study there is a minimum number of continuous assessments which the learner must undertake. This could be in the form of small tests and assignments and research. For the final unit assessments, in most cases a learner will have to sit for both a theory paper which can be multiple choice, structured or a mixture and a practical for skills demonstration.

Work based experience (WBE) is a compulsory unit and is assessed by the supervisor in the work place for full-time learners and through compilation of a portfolio and assessed against the performance criteria for the different elements in the WBE unit for learner on part-time.

To attain the required standard, a minimum of a pass grade must be achieved in all assessments prescribed .

Learners completing year one may exit with and qualify with a certificate in Masonry if he/she has passed all the units of semesters one and two.

**Structure of the Programme for:**
**(4 semesters) for Full-time learners**

| Semester 1 | Semester 2 | Semester 3 | Semester 4 |
|---|---|---|---|
| Health, Safety and Security Procedures (**30/15**) | Block Making **(20/10)** | Stone Masonry 1 **(20/10)** | Stone Masonry 2 **(20/20)** |
| Masonry Occupation in the context of Seychelles **(20/10)** | Opening in Wall **(20/10)** | Tiling 1 **(30/15)** | Tiling 2 **(20/10)** |
| Tools, Instrument and Equipment **(30/15)** | Electricity 1 **(20/10)** | | |
| Materials **(30/15)** | Machinery in Construction **(20/10)** | | Steel Fixing **(20/20)** |
| Block/Brick Wall Construction 1 **(90/45)** | Block/Brick Wall Construction 2 **(80/40)** | Block/Brick Wall Construction 3 **(60/30)** | Block/Brick wall Construction 4 **(40/20)** |
| | Rendering and Plastering 1 **(20/10)** | Rendering and Plastering 2 **(30/30)** | Rendering and Plastering 3 **(20/10)** |
| | Pavement Construction 1 **(20/10)** | Pavement Construction 2 **(20/10)** | Resource Management **(20/10)** |
| | Concreting 1 (**20/10**) | Concreting 2 (**20/10**) | Formwork Construction **(20/10)** |
| English (**20/10**) | **ICT (20/10)** | Setting out of Small Buildings 1 **(20/10)** | Setting out of Small Buildings 2 **(20/10)** |
| Mathematics 1 **(20/10)** | | Mathematics 2 **(30/15)** | |
| Technical Drawing 1 **(20/10)** | Technical Drawing 2 **(20/10)** | Technical Drawing 3 **(20/10)** | Technical Drawing 4 **(20/10)** |
| | | | |
| Work Based Experience (W.B.E rotation 1) **(210)** | Work Based Experience (W.B.E rotation 2) **(210)** | Work Based Experience (W.B.E rotation 3) **(210)** | Work Based Experience (W.B.E rotation 4) **(280)** |
| **Number of contact hours / Non-contact hours per semester** | | | |
| **Semester one:** 260/130 (390) Notional Hours **(260+130+210) = 600** | **Semester two:** 260/130 (390) Notional Hours **(260+130+210) = 600** | **Semester three:** 250/140 (390) Notional Hours **(250+140+210) = 600** | **Semester four:** 200/120 (320) Notional Hours **(200+120+280) = 600** |
| **Total number of hours for the year 1 of programme: 1200** | | **Total number of hours for year 2 of programme : 1200** | |





## Books and References for Study

A number of publications are available for the study and training in the Advanced Certificate in Masonry. They are books which are regularly updated with new editions. Learners are advised to identify the latest editions.

The following are available in the SIT library and can be borrowed for study and reference:


Brickwork level 1,2. Malcolm Thorpe
Block Laying and concreting (second Edition) . M.O.Obande
Brickwork 2. W. G. Nash
Block laying and Concreting (Second Edition) M.O.Obande
The Complete Guide to HOME MASONRY. Black and Decker
Brickwork 3 (Second Edition) and associated studies. Harold Bailey and David Hancock
Mastering Business Communication, LA Woolcot & WR
ICT Basi Skills 1,Introduction to ICT, Gilford T. Hapanyengwi


List of Statements of Competencies for Advanced Certificate in Masonry

| Statement of competency | Unit title | Semester (s) involved | Number of Credits |
|---|---|---|---|
| 1. Apply health, safety and security procedures in the context of Masonry | Health, safety and security | 1 | **4.5** |
| 2. Demonstrate Knowledge and practice of tools, instrument and equipment | Tools, Instrument and equipment | 1 | **4.5** |
| 3. Demonstrate knowledge and practice of machines used for construction work | Machines used in construction | 2 | **3** |
| 4. Demonstrate Knowledge of the types of materials used in the context of masonry | Materials | 1 | **4.5** |
| 5. Analyse the occupation of mason in the context of Seychelles | Masons' occupation | 1 | **3** |
| 6. Demonstrate knowledge and practice of making blocks and bricks | Block making | 2 | **3** |
| 7. Apply principles and practices of block/brick wall construction | Block/Brick Wall construction | 1 ,2, 3, 4 | **40.5** |
| 8. Demonstrate knowledge and practice of rendering and Plastering | Rendering and Plastering | 2,3,4 | **12** |
| 9 Demonstrate knowledge and practice of Electricity in the context of masonry | Electricity | 2 | **3** |
| | | | **6** |

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|---|---|---|---|
| 10. Apply principles and practice of. opening in walls | Opening in walls | 2 | **3** |
| 11. Apply principles and practice of construction of Pavement construction. | Paving | 2,3 | **6** |
| 12. Demonstrate knowledge and practice of concreting | Concrete | 2,3 | **6** |
| 13. Apply principles and practices of setting out of buildings. | Setting out of Buildings | 3,4 | **6** |
| 14. Apply principles and practices of simple formwork construction | Formwork construction | 4 | **3** |
| 15. Apply principles and practices of tiling | Tiling | 3, 4 | **7.5** |
| 16. Demonstrate knowledge and practice of stone masonry | Stone masonry | 3,4 | **7** |
| 17. Apply principles and practices of technical drawing in the context of masonry | Technical drawing | 1,2, 3, 4 | **12** |
| 18. Apply principles and practices of mathematics in the context of masonry | Mathematics | 1,3 | **7.5** |

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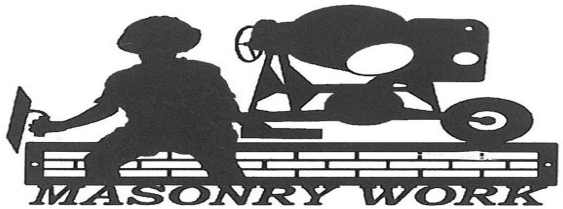
|---|---|---|---|
| 19. Use oral and written English in the context of masonry | English | 1 | **3** |
| 20 Use ICT in the context of masonry | ICT | 2 | **3** |
| 21. Demonstrate knowledge and skills relevant to masonry during work based-experience | Work Based Experience (WBE) | 1,2,3,4, | **91** |
| 22. Demonstrate Knowledge in resource management in the context of masonry | Resource management | 4 | **3** |
| 23. Apply principles and practices basic Steel Fixing | Steel Fixing | 4 | **4** |
| | **Total** | **240** | |



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