

Seychelles Institute of Technology (SIT)

Tel : , 248 2889401: Email: info@sit.sc



Certificate in Carpentry & Joinery Apprenticeship

TVET PROGRAMME



Purpose

The purpose of this award is to enable the learner to attain the standard required to achieve the Certificate at level 3 on the National Qualifications Framework (NQF) through acquisition of the knowledge, mastery of skill and attitudes essential in Carpentry & Joinery .

It is aimed at learners who work or want to work in the construction industry and specialise in working with wood. This training can also offer you the opportunity to specialise in a particular area of this rewarding field, including building maintenance, home renovations, cabinet making, craft new construction, furniture making, and more .

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Introduction

The Certificate in Carpentry & Joinery is a one-year (1200hours) training programme offered full-time or **18 months** on Apprenticeship training mode to secondary five (S5) school leavers and mature learners. This is equivalent to just over three(3) semesters.

To qualify for the certificate, a learner has to successfully complete all the required units/courses on the programme. Total number of credits to be accumulated is 120 credits.

A graduate with the Certificate in Carpentry & Joinery is one who can work under proper supervision.

Entry Criteria

Learners wishing to apply for the Certificate in Carpentry & Joinery must have attained a minimum score of **40%** at the National Examinations in the following subjects: English, Mathematics, General Science or Design Technology or Successfully completed TVET program with 40%.

Learners should be able to:

- ⇒ Demonstrate a basic understanding of the construction industry and role of carpenters, joiners and cabinet makers in Seychelles
 - ⇒ Set out and prepare carpentry work areas.
 - ⇒ Read and interpret drawings and prepare the work area, tools, equipment and materials accordingly
 - ⇒ Apply health and safety in the workplace.
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- ⇒ Produce wood products, such as furniture, cabinets, drawers, beds, and craft products.
- ⇒ Erect ceilings and timber frame partition.
- ⇒ Lay floor coverings
- ⇒ Install finishing components
- ⇒ Participate in roofing works on buildings and in the construction of wooden stairs.
- ⇒ Exercise substantial independence in the workplace, taking responsibility for woodworking duties performed by others and interacting with a variety of individuals and groups to Include customers, colleagues and suppliers.

Certification

To be awarded with a certificate in Carpentry & Joinery 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 Certificate is 120 Credits .

This qualification is a level 3 on the National Qualification Framework (NQF).

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List of Statements of Competencies for Certificate in Carpentry & Joinery

Statement of competency	Unit title	Semester (s) involved	Number of Credits
1. Apply health, safety and security procedures in the context of carpentry and joinery	Health, Safety and Security Procedures	1	4.0
2. Demonstrate knowledge of technical English in the context of carpentry and joinery	Technical English	1	3.0
3. Apply principles and practice of tools, instruments and equipment	Tools instruments and equipment	1	8.0
4. Apply principles and practice of hand portable power tools.	Use hand portable power tools.	1	6.0
5. Maintain Basic Hand Tools.	Basic Hand Tools.	1	6.0
6. Identify common materials used in carpentry and joinery	Materials	1	3.0
7. Construct basic wood joints	Wood joints	1	8.0
8. Construct simple furniture	Simple furniture	1	13.0
9. Apply wood Surface treatment techniques	Surface treatment	1	6.0
10 .Apply trade calculations related to carpentry and joinery work	Trade calculations	1	3.0

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11. Apply knowledge and skills of basic technical drawing	Technical drawing (1)	2	4.0
12. Use workshop machinery and equipment.	Wood machines 1	2	7.0
13. Apply basic electrical skills in the context of carpentry and joinery	Electricity	2	3.0
14. Construct timber flush doors	Door making 1	2	15.0
15. Construct timber door frames	Timber door Frames	2	13.0
16. Install basic ironmongery devices on doors and cabinets	Ironmongery	2	9.0
17 Apply skills and practice of information and communication technology	ICT	2	5
18. Use complex carpentry and joinery wood machineries	Wood Machineries 2	2	9
19. Demonstrate knowledge and skills relevant to masonry during work based-experience	Work Based Experience (WBE)	1,2,3	42
	Total		167

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Books and References for Study

A number of publications are available for study and training in the certificate in Carpentry and Joinery. They are books which are regularly updated with new editions. Learners are advised to identify the latest versions.

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

Carpentry and Joinery Book 1, David R. Bates

Carpentry and Joinery, R. Baylis Book 4

Carpentry and Joinery for Build craft Student 2, Peter Brett

2. Carpentry and Joinery work activities, Brian Porter and Reg Rose

An introduction to Technical Drawing , A. Yarwood

Technical Drawing for G.C.E and C.S.E , J.N Green

The Theory and Practice of Wood Work, George Love

Basic Technical English, Jeremy Comfort, Steve Hick and Allan Savage

Mastering Business Communication, L A Woolcott & WR

Unwin

ICT Basic Skills 1, Introduction to ICT, Gilford T. Hapanyengwi



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Structure of the Programme:

Semester 1	Semester 2	Semester 3
Apply Health, safety and security procedures in Carpentry and joinery (20/20)	Construct simple furniture (60/70)	Construct timber door frames (60/70)
Use Technical English in the context of carpentry and joinery (20/10)	Apply wood Surface treatment techniques (30/30)	Install basic ironmongery devices on doors and cabinets (30/60)
Use hand tools, instruments and equipment in carpentry and joinery (40/40)	Apply Trade Calculations related to carpentry and joinery work (20/10)	Apply basic information and communication technology (ICT) skills in carpentry and joinery (20/30)
Use hand portable power tools. (30/30)	Apply knowledge and skills of basic technical drawing (10/30)	Use complex carpentry and joinery wood machineries (30/60)
Maintain Basic Hand Tools (20/40)	Use Workshop machinery and equipment. (30/40)	
Identify common materials used in carpentry and joinery (20/10)	Apply basic Electrical Knowledge and skills in the context of carpentry and joinery (20/10)	
Construct basic wood joints (40/40)	Construct timber flush doors (70/80)	
Construct simple furniture (60/70)		
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)
Semester one: 240/130 (390) Notional Hours (240+150+210) = 600	Semester two: 250/140 (390) Notional Hours (250+140+210) = 600	Semester three: 215/175 (390) Notional Hours (250+140+210) = 600
Total number of hours for the year 1 of programme: 1200		Total number of hours for year 2 of programme : 1200

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Assessment Technique (s) including weighting (s)

The 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 . 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 the apprenticeship 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 .

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%+

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Career Opportunities in the Carpentry & Joinery

Career Opportunities in the Woodworking Industry

Career Opportunities in the Woodworking Industry are on the increase. Woodworkers transform wood into products through cutting, smoothing, assembling, shaping and preservation treatment. Woodworkers also serve as craftspersons, working with hand tools to create. Skilled woodworkers are relied on to determine which wood works for specific uses, and to set up and operate the machinery used to make products. The industries that hire woodworkers , as Carpenter and Joiner, Cabinet maker, Maintenance Carpenter include furniture manufacturing, mobile home production , construction as well as hotels .

Job opportunities in the field include constructing cabinets, furniture, window coverings ,wood sculptures, roofing of buildings; as well as providing expertise for both large and small scale wood-based commercial or industrial projects.

Progression and Further Studies

Graduates on the Certificate in Carpentry and Joinery can apply for the Advance Certificate course .

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