

## Advanced Certificate in Carpentry and Joinery



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## Advanced Certificate in Carpentry and Joinery

### TVET PROGRAMME



#### Purpose

The purpose of this award is to enable the learner to attain the standard required to achieve the Advanced Certificate through the knowledge, skill and attitudes essential in wood-working, 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 Advanced Certificate in carpentry 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 centre. 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 training 1 1/2 days per week.

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

### Entry Criteria

Learners wishing to apply for the Advanced Certificate in Carpentry and Joinery must have attained a minimum grade of “G” from the **IGCSE exam** in English, Mathematics and Combined Science or preferably Physics.

Applicants from another professional centre may be accepted exiting with a Certificate from that Institution.

### 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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### 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 Advanced Certificate in Carpentry and Joinery can apply for the National Diploma in Construction Industry 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 Construction with specialisation such as Civil Engineering, Quantity Surveying, Architecture, Construction Management etc.

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### 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 .

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	- <b>P</b>	-55%-69%
Credit or Merit	- <b>M</b> or <b>C</b> -	70% - 84%
Distinction	- <b>D</b>	- 85%+

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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 certificate in Advanced Certificate in Carpentry and 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 Advanced Certificate is 240 Credits .

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



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### List of Statements of Competencies for Advanced Certificate in Carpentry and Joinery

Statement of Competencies	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 in the context of carpentry and joinery	1	4.5
2. Demonstrate knowledge of Carpenter and Joiner Occupation in the context of Seychelles.	Carpenter and Joiner Occupation in the context of Seychelles	1	3.0
3. Apply principles and practice of tools, instruments and equipment 1	Tools instruments and equipment 1	1	4.0
4. Demonstrate knowledge of materials	Materials	1	3.0
5. Apply principles and practice of wood joints.	Wood Joints	1	4.5
6. Apply principles and practice of furniture construction 1	Furniture 1	1	8.0
7. Apply principles and practice of wood surface treatment	Wood Surface Treatment	1	3.0
8. Demonstrate knowledge and skill in oral and written English.	English	1	3.0
9. Apply principles and practices of mathematics 1.	Mathematics 1	1	3.0
10. Apply principles and practices of technical drawing 1	Technical Drawing 1	1	3.0

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### 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)	Tools, Instrument and Equipment (30/15)	Maintenance of Machineries (70/70)	Wood Machining 2 (40/40)
Carpenter and Joiner Occupation in the context of Seychelles (20/10)	Wood Machining 1 (40/20)	Door Making 2 (65/65)	Furniture 2 (60/60)
Tools, Instrument and Equipment (20/20)	Electricity (20/10)	Formwork (30/15)	Timber Roof (30/15)
Materials (20/10)	Door Making 1 (60/30)		Timber Floors (30/15)
Wood Joints 1 (30/15)	Timber Frames (30/30)		
Furniture (40/40)	Ironmongery (30/15)		
Wood Surface Treatment (20/10)			
English (20/10)	ICT (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)
<b>Semester one:</b> 240/130 (390) Notional Hours (240+150+210) = <b>600</b>	<b>Semester two:</b> 250/140 (390) Notional Hours (250+140+210) = <b>600</b>	<b>Semester three:</b> 215/175 (390) Notional Hours (250+140+210) = <b>600</b>	<b>Semester four:</b> 180/140 (320) Notional Hours (200+120+280) = <b>600</b>
<b>Total number of hours for the year 1 of programme: 1200</b>		<b>Total number of hours for year 2 of programme : 1200</b>	

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Statement of Competencies	Unit title	Semester (s) involved	Number of Credits
11. Apply principles and practice of tools instruments and equipment 2	Tools, Instruments and Equipment 2	2	4.5
12. Apply principles and practice of Wood machining 1.	Wood machining 1	2	6.0
13. Apply principles and practices of Electricity.	Electricity	2	3.0
14. Apply principles and practices of door making 1	Door making 1	2	9.0
15. Apply principles and practices of construction of timber frames.	Timber Frames	2	6.0
16. Apply principles and practices of ironmongery	Ironmongery	2	4.5
17. Demonstrate knowledge and skill in ICT.	ICT	2	3.0
18. Apply principles and practices of technical drawing 2.	Technical drawing 2	1,2	3.0
19. Demonstrate knowledge and skill in maintenance of machineries.	Maintenance of machineries	3	14.0
20. Apply principles and practice of Door making 2	Door Making 2	3	13.0
21. Apply principles and practice of formwork construction	Formwork	3	4.5
22. Apply principles and practices of mathematics 2	Mathematics 2	3	4.5

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Statement of Competencies	Unit title	Semester (s) involved	Number of Credits
23. Apply principles and practices of technical drawing 3.	Technical Drawing 3	3	3.0
24. Apply principles and practice of Wood machining 2	Wood Machining 2	4	8.0
25. Apply principles and practice of furniture making 2	Furniture 2	4	12.0
26. Apply principles and practices of timber roof construction	Timber Roof	4	4.5
27. Apply principles and practices of timber floor construction.	Timber Floor	4	<b>4.5</b>
28. Apply principles and practices of technical drawing 4.	Technical Drawing 4	4	3.0
29. Demonstrate knowledge and skills relevant to Carpentry and Joinery during work based-experience	Work Based Experience (WBE)	1,2,3,4,	<b>91.0</b>
<b>Total number of credits</b>			<b>240</b>



## Advanced Certificate in Carpentry and Joinery

### Books and References for Study

A number of publications are available for study and training in the Advanced 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

<http://www.thisiscarpentry.com/about-tic/>

<http://www.woodworkersjournal.com/>

<https://www.popularwoodworking.com/articleindex>

