

VET Piloting for Wood Processing level I – III

Entry requirements

The minimum entry qualifications in the course are:

a) Level I

Should have Ordinary level Secondary School Education with pass in Biology or Chemistry.

b) Level II

The trainee should have achieved performance at least grade C in continuous assessment in level I.

c) Level III

The trainee should have achieved performance at least grade C in final assessment for subjects conducted at level II and at least grade C in continuous assessment for subjects ending at level II.

Modules taught

1. Core modules

Level I

Modules for semester 1		
Module title	Mode code	Credit hours
Maintaining safety and hygiene in wood processing	WP 101	7.2
Performing preventive maintenance of logging and sawmill tools, machines and equipment	WP 102	12.3
Harvesting trees	WP 103	9.6
Performing timber yard operations	WP 104	6.9
Total		36

Level II

Modules for semester 2		
Module title	Mode code	Credit hours
Maintaining saws	WP 201	13.2
Sawing logs	WP 202	9.9
Treating wood	WP 203	9.0
Utilizing wood by-products	WP 204	3.9
Total		36

Level III

Modules for semester 1 & 2		
Module title	Mode code	Credit hours
Managing safe work environment	WP 301	34.4
Managing preventive maintenance	WP 302	15.0
Managing wood processing industry activities	WP 303	30.0
Field Attachment	WP 304	24.0
Project Work	WP 305	
Total		103.4

2. Supporting Subjects

Module title	Type of the subject	Credit hours		
		Level I	Level II	Level III
English and Communication Skills (Eng & Comm)	Related	6.0	5.7	3.3
Basic Mathematics (BM)	Related	2.3	5.3	8.8
Introduction to Wood Anatomy (IWA)	Related	1.8	1.2	
Computer Application (CA)	Related	3.0	3.9	2.1
Entrepreneurship	Cross cutting	6.0	3.6	2.4
Life Skills (LS)	Cross cutting	4.8	7.2	
Total		23.9	26.9	16.6

Certificate courses

1. Basic Technician Certificate in Forest Industries Technology (NTA 4)

Entry requirements

Applicant should have Ordinary level Secondary School Education with at least D in either two of the following subjects: Biology, Chemistry Geography or Physics. Also should have at least D in two non-religious subjects. Applicants who passed either English Language or Basic Mathematics is an added advantage.

Modules taught

Modules for semester 1			
Module name	Type of module	Mode code	Credit hours
Basic Computer Application	Fundamental	FITT 04101	12.0
English and Communication Skills	Fundamental	FITT 04102	12.0
Control of HIV/AIDS	Fundamental	FITT 04103	3.0
Applied Mathematics in Forestry	Fundamental	FITT 04104	9.0
First Aid in Forestry	Fundamental	FITT 04105	6.0
Record Keeping in Forestry	Fundamental	FITT 04106	3.0
Safety and Ergonomics in Forestry	Fundamental	FITT 04107	9.0
Introduction to Wood Industries	Fundamental	FITT 04108	6.0
Total			60.0

Modules for semester 2			
Module name	Type of module	Mode code	Credit hours
Tree Nursery Operations	Core	FITT 04201	12.0
Tree Tending Operations	Core	FITT 04202	12.0
Timber Harvesting	Core	FITT 04203	15.0
Timber Transportation	Core	FITT 04204	12.0
Technical Drawing in Woodworks	Fundamental	FITT 04205	9.0
Total			60.0

2. Technician Certificate in Forest Industries Technology (NTA 5)

Entry requirements

Applicant should have successfully completed NTA 4 in Forest Industries Technology or field related to forestry. For form six leavers, should have at least one principle or two subsidiary in science subjects.

Modules taught

Modules for semester 1			
Module name	Type of module	Mode code	Credit hours
Circular Saw-doctoring	Core	FITT 05101	15.0
Band and Frame Saw-doctoring	Core	FITT 05102	9.0
Sawmilling	Core	FITT 05103	15.0
Timber Grading	Core	FITT 05104	12.0
Wood Seasoning and Preservation	Core	FITT 05105	9.0
Total			60.0

Modules taught

Modules for semester 2			
Module name	Type of module	Mode code	Credit hours
Wood By-products and Charcoal Production	Core	FITT 05201	9.0
Forest Protection	Core	FITT 05202	12.0
Carpentry and Joinery	Core	FITT 05203	15.0
Entrepreneurship and Employability Skills	Core	FITT 05204	9.0
Field Attachment	Core	FITT 05205	15.0
Total			60.0

Diploma course

Ordinary Diploma in Forest Industries Technology (NTA 6)

Entry requirements

Applicant should have successfully completed NTA 5 in Forest Industries Technology or Mechanical Wood Industries.

Modules taught

Modules for semester 1			
Module name	Type of module	Module code	Credit hours
Introduction to Forestry	Fundamental	FIT 06101	6.0
ICT	Fundamental	FIT 06102	6.0
Introduction to Statistics	Fundamental	FIT 06103	6.0
Research Methods	Fundamental	FIT 06104	6.0
Silviculture I	Core	FIT 06105	12.0
Marketing of Forest Products	Fundamental	FIT 06106	9.0
Wood Properties and Utilization	Core	FIT 06107	9.0
Climate change and mitigation	Fundamental	FIT 06108	6.0
Total			60.0

Modules for semester 2			
Module name	Type of module	Module code	Credit hours
Silviculture II	Core	FIT 06201	9.0
Production Management	Fundamental	FIT 06202	6.0
Entrepreneurship and Innovation	Fundamental	FIT 06203	6.0
Forest Products Inspection	Core	FIT 06204	6.0
Wood-based Panel Technology	Core	FIT 06205	9.0
Forest Resource Assessment	Core	FIT 06206	9.0
Logging	Core	FIT 06207	9.0
Special Project (SP)	Core	FIT 06208	6.0
Total			60.0