

## Wood Processing level I – III

### 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
<b>Total</b>		<b>36</b>

#### 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
<b>Total</b>		<b>36</b>

#### 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	
<b>Total</b>		<b>103.4</b>

## 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	
<b>Total</b>		<b>23.9</b>	<b>26.9</b>	<b>16.6</b>

## Basic Technician Certificate in Forest Industries Technology (NTA 4)

### Modules taught for semester 1

Module name	Type of module	Mode code	Credit hours
Basic Computer Application	Fundamental	FITT 04101	9.0
English and Communication Skills	Fundamental	FITT 04102	9.0
Control of HIV/AIDS	Fundamental	FITT 04103	3.0
Applied Mathematics in Forestry	Fundamental	FITT 04104	12.0
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	12.0
Introduction to Wood Industries	Fundamental	FITT 04108	6.0
<b>Total</b>			<b>60.0</b>

### Modules taught 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
<b>Total</b>			<b>60.0</b>

## Technician Certificate in Forest Industries Technology (NTA 5)

### Modules taught 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
Wood Seasoning and Preservation	Core	FITT 05104	9.0
Timber Grading and Inspection	Core	FITT 05105	12.0
<b>Total</b>			<b>60.0</b>

### Modules taught for semester 2

Module name	Type of module	Mode code	Credit hours
Wood By-products and Charcoal Production	fundamental	FITT 05201	9.0
Furniture Production	Core	FITT 05202	15.0
Structure Production	Core	FITT 05203	15.0
Entrepreneurship and Employability Skills	fundamental	FITT 05204	9.0
Field Attachment	Core	FITT 05205	12.0
<b>Total</b>			<b>60.0</b>

## Ordinary Diploma in Forest Industries Technology (NTA 6)

### Modules taught for semester 1

Module name	Type of module	Module code	Credit hours
Introduction to Forestry	Fundamental	FIT 06101	6.0
Information and Communication Technology (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 06205	6.0
<b>Total</b>			<b>60.0</b>

**Modules taught for semester 2**

<b>Module name</b>	<b>Type of module</b>	<b>Module code</b>	<b>Credit hours</b>
Silviculture II	Core	FIT 06201	9.0
Forest Products Production Management	Core	FIT 06202	9.0
Entrepreneurship and Innovation	Fundamental	FIT 06203	6.0
Forest Products Inspection	Core	FIT 06204	6.0
Wood Based Panel Technology	Core	FIT 06205	12.0
Forest Resource Assessment	Core	FIT 06206	9.0
Special Project (SP)	Core	FIT 06207	9.0
<b>Total</b>			<b>60.0</b>