

MINISTRY OF NATURAL RESOURCES AND TOURISM



FOREST INDUSTRIES TRAINING INSTITUTE (FITI) – MOSHI

Courses offered

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

(a) Admission requirements

The applicant must have at least four passes (two passes must be of science subjects (Biology, Chemistry, Geography, Physics or Mathematics) and two passes in non-religious subjects. Pass in English is an added advantage. **OR** Certificate in Secondary Education from other countries with passes in science subjects and translated by NECTVET.

(b) Modules taught

Semester I

S/n	Module code	Module title	Credits
1	FIT 04101	Computer Application	12.0
2	FIT 04102	English and Communication Skills	9.0
3	FIT 04103	Control of HIV/AIDS	3.0
4	FIT 04104	Basic Mathematics in Forestry	9.0
5	FIT 04105	First Aid in Forestry	6.0
6	FIT 04106	Record Keeping in forestry	3.0
7	FIT 04107	Safety and Ergonomics in Forestry	9.0
8	FIT 04108	Basics of Tree Seed Technology	9.0
Total credits			60.0

Semester II

S/n	Module code	Module title	Credits
1	FIT 04201	Tree Nursery Operations	12.0
2	FIT 04202	Tree Tending Operations	12.0
3	FIT 04203	Timber Harvesting	12.0
4	FIT 04204	Timber Transportation	9.0
5	FIT 04205	Technical Drawing in Woodworking	9.0
6	FITT 04206	Basics of Forest Industries	6.0
Total credits			60.0

2. Technician Certificate (NTA level 5) in Forest Industries Technology**(a) Admission requirements**

Admissions to the program will be to a person who successfully has completed Basic Technician Certificate in Forest Industries Technology or relevant field or form six level who has passed in Science combination subjects with at least one principal and subsidiary pass.

(b) Modules taught**Semester I**

S/n	Module code	Module title	Credits
1	FIT 05101	Circular Saw Maintenance	12.0
2	FIT 05102	Band and Frame Saw Maintenance	9.0
3	FIT 05103	Sawmilling Processes	15.0
4	FIT 05104	Timber Seasoning	9.0
5	FIT 05105	Timber Grading	9.0
6	FIT 05106	Entrepreneurship and Employability Skills	6.0
Total credits			60.0

Semester II

S/n	Module code	Module title	Credits
1	FIT 05201	Wood By-products Processes and Charcoal Production	9.0
2	FIT 05202	Timber Preservation	9.0
3	FIT 05203	Forest Protection	12.0
4	FIT 05204	Carpentry and Joinery	15.0
5	FIT 05206	Field Attachment	15.0
Total credits			60.0

3. Ordinary Diploma (NTA level 6) in Forest Industries Technology

(a) Admission requirements

Admission to the course is open to holders of NTA level 5 in in Forest Industries Technology or relevant field.

(b) Modules taught

Semester I

S/n	Module code	Module title	Credits
1	FIT 06101	Fundamentals of Forestry	6.0
2	FIT 06102	Information and Communication Technology	6.0
3	FIT 06103	Basics of Statistics	6.0
4	FIT 06104	Research Methods	6.0
5	FIT 06105	Silviculture	12.0
6	FIT 06106	Marketing of Forest Products	9.0
7	FIT 06107	Wood Properties and Utilization	9.0
8	FIT 06108	Climate Change and Mitigation	6.0
Total credits			60.0

Semester II

S/n	Module code	Module title	Credits
1	FIT 06201	Fundamentals of Forest Management	9.0
2	FIT 06202	Entrepreneurship and Innovation	6.0
3	FIT 06203	Forest Products Inspection	6.0
4	FIT 06204	Wood-based Panel Technology	9.0
5	FIT 06205	Forest Resource Assessment	12.0
6	FIT 06206	Logging	9.0
7	FIT 06207	Special Project (SP)	9.0
Total credits			60.0