

# YOUR CAREER IN FOREST, TIMBER & WOOD MANUFACTURING

## Sponsors

### PNG Forest Industries Association



### PNG University of Technology



### PNG NFS training and Education Section



### Association of Foresters of PNG



## FORESTRY

Forestry is the science and technology' of using forested land for human benefit while at the same time conserving the forest's resources for use by future generations.

Forests, trees and wood products have played a key role in human development through the centuries, providing raw material for shelter, warmth, travel, comfort, communications and hygiene.

However, population pressures have also caused forests around the world to be cleared to make way for agriculture and to provide people space to live in.

Many forests are now set aside to ensure they are not cleared just for their land value. Of these retained forests, some are preserved and left in their natural state.

Others are managed for timber production, flora and fauna conservation, soil and water quality and recreation. These managed forests are called multiple use forests.

Modern forest management is based on the scientific principle of managing forests for multiple uses, including sustainable wood production while maintaining the forest's biological systems in perpetuity together with a comprehensive and complementary system of plantations.

The PNG timber business is a global business not a domestic business. In 1999, forest products trade in terms of

forest products was K43 million and log exports some K385 million.

## JOB OPPORTUNITIES

There are a wide variety of jobs in the forest sector of PNG from professional foresters (degree and diploma level) to skilled artisans as chain sawyers, machine operators, saw doctors, carpenters to field labour engaged in transporting, harvesting and plantation development. There is a wide variety of specializations available for professional foresters. Foresters may be concerned with timber harvesting, forest utilization, processing and manufacturing of forest products, forest management, plantation development, scientific research, extension activities, conservation and environmental management.

## EMPLOYERS

Foresters may be employed by the National Forest Service, Office of Environment and Conservation, other government agencies both provincial and national, private timber companies in activities as logging, sawmilling and plantation development, landowner companies, non government organizations, mining companies and donor funded projects.

## **TRAINING**

The PNG University of Technology (UNITECH) offers training in forestry at the trade, technical and professional levels.

The Timber & Forestry Training College (TFTC) provides a wide range of training for the primary and secondary sectors of the timber industry. Training programs include saw doctoring, wood machining, sawmill maintenance and operation, timber seasoning, wood preservation, timber and log grading, chainsaw operation and maintenance, machine operator training. TFTC can accommodate up to 120 students at any one time.

Bulolo Forestry College (BUC) provides Diploma level training for students wishing to be engaged as practical forest managers in government agencies and timber industry companies. This is a three & year course. Department of Forestry (FDUT) offers a four. Year course of professional studies designed to produce foresters capable of meeting the professional needs of all stakeholder employers within the forest sector.

Entry level for both degree and diploma courses is grade 12 matriculation from a National High School or its equivalent. All students undertake a common study program during the first two years, at the end of which they are screened and - on the basis of their academic performances, aptitudes and interests -streamed into separate degree and diploma courses.

**Year 1** is on the Taraka (Lae) campus and is devoted to the study of the basic sciences.

**Year 2** is taken at Bulolo University College and is designed to give certain basic practical Skills,

**Year 3** of the Diploma course begins with a semester of supervised industrial fieldwork and then continues with further studies at BUC in practical forestry subjects

**Year 3** of the degree program commences with a semester of structured and supervised fieldwork followed by studies in forestry subjects at the Taraka (Lae) campus.

**Year 4** of the degree course continues with forestry studies at the Takara (Lae) campus.

## **CONTACTS FOR FURTHER INFORMATION**

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**The President  
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**The objectives of the Association are to advance and promote the case of forestry and to create and maintain a high standard of qualification hi persons engaged in the practice of forestry. Students are encouraged to join the Association, and participate in ifs activities.**