

# TREES & WOOD

*— nature's innovation*

Trees are spectacular organisms and one of the Earth's greatest and most important natural resources. Their contribution to the effective regulation of our environment and atmosphere is priceless.



# TREES & WOOD

*The Earth's Treasures*

The end product from trees, wood, is the material of the future:



T: +27 (0)21 808 3303 | F: +27 (0) 21 808 3603 | wood@sun.ac.za | www.sun.ac.za/forestry

# FOREST AND WOOD PRODUCT SCIENCE

Stellenbosch University is instrumental in educating our future scientists. It is the only university in South Africa offering a comprehensive four-year degree programme in both Forest Science and Wood Product Science, thus covering the entire forestry value chain. Students enjoy the advantages of a stimulating and diverse programme of study involving research and study in the forests, winelands and mountains of Stellenbosch, as well as versatile employment prospects both nationally and internationally.

## UNDERGRADUATE PROGRAMME OVERVIEW

### Forest Science & Natural Resource Management

- Forest Eco-physiology & Silviculture
- Forest Management
- Remote Sensing
- Forest Engineering
- Forest Economics

The course is structured to give students a holistic understanding of forests, the environment and plantations, including forest ecology, forest measurement and modelling, watershed dynamics, harvesting methods, forest planning and policy and other interesting aspects of Natural Resource Management. Students also get to spend ample time outdoors or on field trips to observe current practices. The structure of the course allows for broad exposure to scientific, economic, technical and social issues.

### Wood Product Science

- Wood Material Science
- Wood Processing
- Product & Process Design
- Business Management
- Engineering

The course consists of a unique combination of Wood Products Science, Engineering and Business Management subjects. Students learn about all aspects of wood science and production such as wood anatomy and identification, wood chemistry and preservation, wood mechanics and wood product manufacturing. This is complemented by a variety of engineering modules focusing on manufacturing technology, business management, and industrial engineering. The course also involves field trips and practical training periods.

## CAREER OPPORTUNITIES

Stellenbosch University graduates are recognized as being world-class. Studies have shown that Wood processing facilities and timber growers employ an extremely high percentage of Stellenbosch graduates. Our emphasis is to produce versatile managers and researchers with the skills to manage and understand all the intricacies of technology transfer. This provides our graduates with fantastic career opportunities and allows them to diversify in other related industries.

Opportunities range from entrepreneurial enterprises to the corporate environment—locally and abroad. These include managerial, technical, conservation or research-oriented careers.

### Forest Science

- For a sustainable future

For example

- Forest Ecologist / Planner
- Forestry Consultant or Contractor
- Natural Resource Manager
- Production Manager
- Tree Breeder / Timber Grower
- Researcher / Forestry Scientist
- Environmental Planner
- Logistics Manager
- Rural Development Advisor
- Extension Officer
- Land-use Manager

### Wood Science

- Discover the versatility of wood

For example

- Product Developer / Researcher
- Plant / Saw mill Manager
- Production Manager
- Entrepreneur / Business Owner
- Manufacturing Engineer
- Board product manufacturer
- Quality Assurance Manager
- Furniture Design / Manufacturer
- Laminated product Manufacturer
- Veneer and plywood Manufacturer
- Window and Door Manufacturer

## BURSARIES

A large percentage of our students obtain bursaries from industry, government and the university. Contact our public relations officer for information on bursaries available.