



CONTACT DETAILS

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University of Venda
Creating Future Leaders



**FACULTY OF
SCIENCE, ENGINEERING
AND AGRICULTURE**

Department of Forestry



ABOUT DEPARTMENT OF FORESTRY

The Department of Forestry was established in 1998, with the first batch of students being registered in 1999. The department, initially, was offering Bachelor of Science in Agriculture (Forestry specialization) programme. However, in 2019, the department secured a full accreditation and now offers Bachelor of Science in Forestry, with the first batch of students being registered in 2020.

The new programme aims at developing forest scientists who will be competent in sustainable management of forest resources, environmental conservation, forest operations, and entrepreneurial skills. The Bachelor of Science in Forestry is a four year programme (AGBBFR) that covers a broad range of modules in forestry, which include ecology, silviculture, resources assessments, management, health and protection, valuation and investments, GIS & spatial analysis, wood processing & utilization, community forestry and a six month work integrated learning. Our graduates are globally relevant and leaders in their chosen careers.



ADMISSION REQUIREMENTS

A pass with minimum achievement rating of 4 (i.e. 50 - 59%) in the following subjects:

- Mathematics
- Physical Science
- English Language
- Life Sciences or Agricultural Sciences

In addition, a minimum of 26 Admission Point Score (APS) is required. Passion for nature will be an added advantage.

CURRICULUM OVERVIEW

YEAR 1

- BIO1142 – Cell Biology I (12 credits)
- CHE1140 – Introduction to General Chemistry (12 credits)
- ECO1141 – Basic Micro Economics (12 credits)
- ECS1141 – English Communication Skills (12 credits)
- MAT1143 – Mathematics for Biological Sciences (12 credits)
- PHY1127 – Physics for Environmental and Agricultural Sciences (6 credits)
- AGR1231 – Agriculture and Human Kind (9 credits)
- BIO1243 – Ecology, Adaptation and Evolution (12 credits)
- CHE1221 – Inorganic Chemistry for the Applied Sciences (6 credits)
- CHE1222 – Organic Chemistry for the Applied Sciences (6 credits)
- ECO1241 – Basic Macro Economics (12 credits)
- ECS1245 – English Communication Skills for Natural and Agricultural Sciences (12 credits)
- GEN 1241 – Genetic Basis of Plant and Animal Breeding (12 credits)

YEAR 2

- FRT2141 – Forest Ecology and Tree Identification (12 credits)
- FRT2144 – Forest Health and Protection I (12 credits)
- FRT2145 – Introduction to Forest Economics (12 credits)
- FRT2146 – GIS and Spatial Analysis in Forestry (12 credits)
- SSC2141 – Introduction to Soil Science (12 credits)
- STA1149 – Basic Statistics for Natural and Applied Sciences (12 credits)
- FRT2241 – Introduction to Forestry Engineering (12 credits)
- FRT2243 – Forest Nursery Management and Propagation (12 credits)
- FRT2244 – Forest Valuation and Investments (12 credits)
- STA1249 – Basic Statistical Inference for Natural and Applied Science (12 credits)

YEAR 3

- AEC3143 – Introduction to Mathematical Economics (12 credits)
- FRT3141 – Forest Management (12 credits)
- FRT3142 – Sawmilling (12 credits)
- FRT3144 – Forest Resources Assessment (12 credits)
- FRT3242 – Forest Policy (12 credits)
- FRT3243 – Silviculture I (12 credits)
- FRT3244 – Forest Health and Protection II (12 credits)
- FRT3245 – Logging and Roads (12 credits)
- FRT3246 – Introduction to Forestry Extension (12 credits)
- RME3248 – Research Methodology (12 credits)

YEAR 4

- FRT4081 – Project and Seminar Presentation (30 credits)
- WIL4182 – Work Integrated Learning (60 credits)
- CRD4241 – Entrepreneurship (12 credits)
- FRT4241 – Agroforestry (12 credits)
- FRT4242 – Community Forestry (12 credits)
- FRT4243 – Timber Transportation and Planning (12 credits)
- FRT4244 – Silviculture II (12 credits)
- FRT4245 – Forest Conservation (12 credits)