

Semester Two

STA221.1 Agriculture Finance - (S₁, S₂)
STA 221.2 Sustainable Land Use and Management - (S₁, S₂, S₅)
STA 222.2 Perennial Crop Production - (S₁, S₂, S₃, S₄, S₅)
STA 222.5 Agricultural Mechanization - (S₁, S₂, S₅)
SLP 223 Animal Production - (S₅)
STA 223 Introduction to Plant Diseases - (S₂, S₃, S₄)
STA 223.1 Principles of Weed Science - (S₃)
STA 223.2 Horticulture & Ornamental Science - (S₁)
STA 223.4 Crop Physiology - (S₄)
STA 224 Introduction to Crop Pest - (S₂, S₃, S₄)
STA 224.4 Introduction to Field Experimentation - (S₁, S₂, S₃, S₄)
STA xxx Crop Biotechnology - (S₄)

YEAR THREE COURSES

Semester One

STA 311.1 Agribusiness Economics - (S₁)
STA 311.2 Annual Crop Production - (S₁, S₂)
STA 311.3 Applied Entomology - (S₃, S₄)
STA 311.4 Crops Genetic and Breeding - (S₃, S₄)
STA 311.5 Applied Rural Technology - (S₂, S₅)
STA 312.1 Farm Business Project 1 - (S₁)
STA 312.2 Crop Nutrition & Agronomy - (S₂, S₃, S₄, S₅)
STA 312.5 Greenhouse Farming - (S₅)
STA 313.1 Extension Method - (S₁, S₅)
STA xxx Crop Diseases 1 - (S₃)

Semester two

Industry Training - Optional for Strands (S₁, S₂, S₃, S₄, S₅)

YEAR FOUR COURSES

Semester One

RE 211 GIS & GPS - (S₃, S₄)
STA 411.5 Food Processing Technology 1 - (S₁, S₄, S₅)
STA 412.1 Horticulture - (S₂)
STA 412.5 Soil and Water Management - (S₁, S₂, S₃, S₄, S₅)
STA 413.1 Entrepreneurship - (S₁, S₅)
STA 414.1 Resource Management - (S₁, S₂)
STA 417 Special Project 1 - (S₁, S₂, S₄, S₅)
STA xxx Plant Soil Interaction - (S₃, S₄)

Semester Two

STA 411.4 Biotechnology - (S₂)
STA 421.1 Supply Chain Management - (S₁)
STA 421.2 Agricultural Ecology - (S₂)
STA 421.3 Agriculture Investments - (S₁)
STA 421.4 Crop Diseases 2 (Plant Pathology) - (S₂, S₃)
STA 421.5 Food Processing Technology 2 - (S₁, S₄, S₅)
STA 422.5 Agriculture Waste Management - (S₅)
STA 423.1 Agriculture Marketing - (S₁)
STA 423.5 Computer Modelling - (S₅)
STA 427 Special Projects 2 - (S₁, S₂, S₃, S₄, S₅)
STA xxx Principle of Genetic Resources - (S₄)
STA xxx Plant Disease Epidemiology - (S₃)
STA xxx Integrated Pest Management - (S₃)

Apply Today

and become an essential part of our mission to promote the sustainable use of Papua New Guinea's natural resources.

CONTACT US

MAILING ADDRESS

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Department of Agriculture



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Leading the Way in Sustainable Tropical Agriculture Education

The Department of Agriculture, the oldest and largest at the University, offers a four-year degree program leading to a Bachelor in Sustainable Tropical Agriculture (BSTA). Our program spans five specialized strands aimed at ensuring that Papua New Guinea has the graduates needed to guarantee a secure, sustainable food supply, and to conduct research addressing the challenges faced by our modern agriculture industry.

WHY STUDY SUSTAINABLE TROPICAL AGRICULTURE?

Interdisciplinary Approach

To address the complex challenges of modern agriculture, our program integrates knowledge from biology, chemistry, economics, engineering, environmental science, and social science. This holistic approach equips you with the skills to develop sustainable agricultural practices specifically tailored to tropical climates.

Hands-On Learning

Our students gain a wide range of practical experiences that deepen their understanding of the field. This includes direct engagement with agricultural practices such as fieldwork, laboratory work, farm management, technology use, and sustainable practices.

Contribute to Global Food Security

Sustainable agriculture plays a key role in promoting practices that are environmentally friendly, economically viable, and socially responsible. By joining our program, you'll be at the forefront of developing sustainable methods that improve food accessibility and nutrition, bolster climate resilience, and drive economic growth in the region.

Industry Connections:

Our program offers strong connections with industry partners, providing students with valuable networking opportunities, internships, and access to the latest research advancements in sustainable agriculture.

CAREER OPPORTUNITIES

Our graduates are well-prepared for diverse careers in agriculture, research, environmental science, and more. As sustainable farming becomes increasingly vital, they are equipped to lead in ensuring food and nutrition security. They can be Sustainable Practice Consultants, Conservation Scientists, Agricultural and Food Scientists, Nutritionists, Plant Breeders, Biosecurity Officers, Trainers, Laboratory Technicians, Academics and Researchers, Extension Officers, Teachers, Soil Scientists, Managers, Entomologists, Agronomists, Consultants and many more. They are employed by organizations such as New Britain Palm Oil Limited, National Agriculture Quarantine and Inspection Authority (NAQIA), National Agricultural Research Institute (NARI), Trukai Industries, Niugini Tablebirds, Department of Agriculture and Livestock, PNG Cocoa Board, Hargy Oil Palm, PNG Customs, Agro Innovative Industries, and many others. Our graduates are also equipped with the skills to become employers, fostering entrepreneurship and innovation in the field.

ENTRY REQUIREMENTS

Applicants must have a Grade 12 Higher School Certificate (or equivalent) with Grade B or better in Language and Literature; Maths A (or Maths B), Biology, Chemistry, and Physics. GPA is 2.8 or higher.



DEGREE PROGRAMS AND MAJORS

The Bachelor in Sustainable Tropical Agriculture has five strands;

- Strand 1 (S1): Agriculture Business
- Strand 2 (S2): Agriculture Production
- Strand 3 (S3): Agriculture Protection
- Strand 4 (S4): Agriculture Science
- Strand 5 (S5): Agriculture Technology



YEAR 1 COURSES (COMPULSORY)

Semester One

STA 111	Fundamentals of Agriculture
STA 112	Applied Biology
STA 113	Applied Chemistry
STA 114	Communication Skills
SIT 114	Introduction to ICT

Semester Two

SLP 121	Natural Resources Conservation and Utilisation
STA 121	Applied Physics
STA 122	Applied Mathematics
STA 123	On Farm Practice
STA 124	Introduction to Business

YEAR 2 COURSES (STRANDING)

Semester One

STA 212	Annual Crop Production - (S1, S2, S3)
STA 212.2	Principles of Soil Sciences - (S1, S2, S3, S4, S5)
STA 212.3	Principles of Plant Sciences - (S2, S3, S5)
STA 212.4	Introduction to Statistics - (S1, S2, S3, S4, S5)
SLP 213	Introduction to Animal Science - (S5)
STA 213	Research Method - (S3)
STA213.1	Introduction to Agribusiness Management - (S1)
STA 213.4	Crop Botany - (S2, S3, S4)
STA 214.3	Fundamental of Plant Protection - (S3, S4)
SFS411	Agroforestry Systems - (S1)