

Course Structure

Year 1: Residential I	Hrs
ARD 301 Crop Physiology	5
ARD 302 Rural Community Development	5
ARD 303 Animal Health & Diseases	5

Year 1: Semester 1 – Distance Mode	
ARD 304 Aquaculture	4
ARD 305 Agricultural Economics	3
ARD 306 Field Crop Production	5

Year 1: Semester 2 – Distance Mode	
ARD 307 Soil Science	4
ARD 308 Animal Management	6
ARD 309 Horticultural Science	5
ARD 311 Agriculture Extension	4

Year 1: Residential II	
ARD 310 Plant Breeding	3
ARD 312 Research Methodology	3
ARD 413 Crop Disease	3

Year 2: Semester I - Distance Mode	
ARD 414 Animal Breeding	3
ARD 415 Farm Management	5
ARD 416 Crop Insect Pest & Weed Management	4

Year 2: Semester 1– Distance Mode	
ARD 417 Perennial Crop Production	6
ARD 418 Agriculture Marketing	5
ARD419 Project Planning & Management	4
ARD 421 Animal Nutrition	5

Year 2: Residential II	
ARD 420 Pasture Management	4
ARD 422 Agriculture, Environment & Sustainability	5
ARD 423 Farm Machinery	4

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**THE PAPUA NEW GUINEA
UNIVERSITY OF
TECHNOLOGY**

**BACHELOR OF
AGRICULTURE
AND
RURAL DEVELOPMENT
(BARD)**

BROCHURE - 2022



DEPARTMENT OF AGRICULTURE

Introduction

The Department of Agriculture was originally established in 1971 at the University of Papua New Guinea (UPNG) in Port Moresby but was later transferred to PNG University of Technology (Unitech) in Lae in 1985.

The Department is one of 13 academic departments at Unitech, and hitherto has offered a Bachelor of Agricultural Science (BSAG) program through a full-time on-campus mode.

Recently, the PNG Government through the Office of Higher Education (OHE) instituted policy changes in higher learning institutions to address human resource requirements of this nation. One of these initiatives is for institutions to externalise their on-campus academic programs through Flexible, Open, and Distance Education (FODE) mode.

In response to this policy shift in the formal education sector, the Department of Agriculture developed a two-year degree program. The program is named "Bachelor of Agriculture and Rural Development (BARD)" and is modulated and delivered through FODE mode and Residential Sessions. The BARD program essentially caters for agriculture professionals who have had training up to Diploma and Post Certificate Diploma (PCD) levels, but for reasons, haven't had the opportunity to further their agriculture education. The curriculum of BARD has been developed with a blend of knowledge in agricultural science and production, rural development and extension, and graduates of this program are guaranteed to have attained the core concepts of the profession as their counterpart graduates from the full-time on-campus program. The Department considers this program an opportune process whereby it can participate in imparting agricultural knowledge and skills to a wider populace in PNG for the empowerment of both urban and rural communities.

The aim of BARD

The Department of Agriculture takes pride in continuing to train and nurture manpower needs in the agriculture sector of PNG. It envisages that graduates of BARD program, who are employed as researchers, teachers, managers, and rural development and extension officers will continue to excel and contribute towards the overall development of PNG. Upon completion of the course, it is expected that the trainees will have acquired the knowledge and skills relating to:

1. The establishment and management of activities in sustainable agricultural production systems.
2. The current developments in science and socio-economic aspects of agriculture and appreciate their roles in impacting change in both urban and rural communities.
3. Planning and implementation of agricultural programs in secondary and intermediate learning institutions, and rural farming communities.
4. Planning and conducting research into temporal and spatial agricultural problems for necessary changes.
5. The processes involved in agricultural project planning, implementation and evaluation for efficiency and continuity.
6. Overall analysis and mitigation of challenging agricultural issues for positive progress in the sector.

Entry Qualification

Diploma in Tropical Agriculture and Post Certificate

Diploma in Agriculture, or equivalent.

Course Duration

Two years of study through FODE mode and six weeks intensive training during Residential Sessions. Successful applicants commence the program from year 1, which is equivalent to 3 years of full-time on-campus for the Bachelor of Agricultural Science program.

Implementation of BARD

The BARD program started in 2011 and the first Residential session was held in January/February 2011. A total of 23 students successfully completed this Residential session and have continued to the next stage of study.

The Department of Agriculture is committed to continue training of manpower needs of this nation. It is our view that **with added support from the stakeholders and/or donor agencies, national and international, much can be achieved.** BARD has the potential in equally empowering both genders in the profession of agriculture for equal participation towards the development of PNG.

Subjects offered through the BARD program

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ARD 302 Rural Community Development
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