VISION
To be an agricultural university of international repute

MISSION
To produce quality graduates for the agricultural sector through innovative teaching and research.

VALUES
Team Work – Promote cooperation and collaboration
Innovation - Embrace creativity for progress
Integrity – Maintain high moral standing
Excellence – We pursue excellence through productivity, discipline and quality of service.
INTRODUCTION

The Botswana College of Agriculture (BCA) was established on the 31st of May 1991 when Act No.9 enacted by Parliament came into effect.

Its objective is to serve the people of Botswana through excellence in teaching, learning and training, research and development in the science and practice of agriculture. The aim is to promote agricultural development and production in Botswana and the southern African region.

BCA conducts research on its own or in collaboration with other national and international organisations in the field of agriculture and related sciences. It also stimulates and promotes interest in agriculture and rural development.

BCA took over all the assets, including students and staff of the former Botswana Agricultural College, (BAC). BAC was formerly established in 1967 at Content Farm, Sebele, 12 kilometres north of the capital city Gaborone when the Ministry of Agriculture (MoA) decided to transfer the Certificate in Agriculture Programme which had been offered since 1959 at Mahalapye. BAC was formally abolished in 1991 when act No.9 came into effect.

BCA is a body corporate and hence a parastatal under the Ministry of Agriculture and an associate institution of the University of Botswana (UB).

As an associate institution of UB, BCA offers UB degree and higher diploma programmes in Agricultural Sciences, while it is responsible on its own for short courses offered by its Centre for In-service and Continuing Education (CICE).
The College has a wide range of facilities for students.

Hostels
The College has five hundred and twenty-eight (528) beds on campus. Most of the accommodation is on sharing basis, but male and female students have different blocks. Each hostel block has a common room where students can relax and watch TV or play one of the several in-door sporting activities. There is also a laundry with several washing machines for students under the care of the Student Representative Council (SRC). Some of the blocks have wardens’ flats attached to them.

Refectory
The College has two refectories where student meals are prepared and served. The refectories serve three meals per day to students resident on campus. However, off campus students may buy meal coupons for lunch only.

Health
The College has a clinic with two consultation rooms. Two nurses run the clinic. Cases requiring specialised medical attention are referred to the Princess Marina Hospital in Gaborone. There is always a nurse on call during the night as well as weekends and holidays. Wardens may assist to contact the nurse on call in case of emergencies after hours.
Recreation
The College has a Student Centre which houses among others, the Student Representative Council offices, the gymnasium, student bar and a multipurpose hall. The hall can be used for indoor sporting codes such as basketball, volleyball, badminton and table tennis.

BCA also has outdoor facilities for lawn tennis, volleyball, basketball, soccer, softball and athletics. Rugby players use facilities in town while those interested in karate use facilities at the Botswana Defence Force Glen Valley barracks. All sporting and entertainment activities provided by the College are open to all registered students.
The Botswana College of Agriculture has an HIV/AIDS Coordinator who is responsible for:

* Developing, coordinating and implementing the HIV/AIDS Policy and programmes.
* Coordinating the activities of HIV/AIDS Committee and departmental activity plans.
* Developing Information, Education and Communication (IEC) strategies on HIV/AIDS in order to prevent and control the spread of HIV/AIDS in the College.
* Providing support and counselling services to staff members and students.

The College has an active HIV/AIDS Committee which consists of one representative from each department and some units (as determined by their size) and two students.

The Committee is responsible among other things, for assisting the HIV/AIDS Coordinator in all aspects of the programme implementation.

There also is an Executive Committee, which consists of BCA Management and Heads of Department. It is chaired by the Principal. In addition to the two Committees there is the Students Against HIV/AIDS (SAHA) Club. Its main responsibility is to foster HIV/AIDS awareness and prevention while influencing attitude and behavioural change in order to effectively control the spread of HIV/AIDS among the student community. The College introduced a General Education Course on HIV/ADS in 2004, thus raising awareness in the student community on HIV/AIDS issues irrespective of the field of study.
Botswana College of Agriculture Library is an academic agricultural library which maintains a wide range of materials on agriculture and related fields. The library is a depository for publications of the Food and Agricultural Organization (FAO).

The Library is also the National Centre for the Question and Answer Service (QAS). There is a study area with a sitting capacity of up to 300 patrons at anytime and a late night study area for BCA students. The library is fully computerised and material can be searched over the internet at http://host6.bca.bw

**The Library Collection**

At present the library holdings stands at 24000 records, consisting of books, bound journals, FAO materials, audio visual materials, audio cassettes and compact discs.

**Computers**

The library has twelve computer workstations, two dedicated to the Online Public Access Catalogue (OPAC) and The Essential Electronic Agricultural Library (TEEAL) and the rest for accessing Internet and word processing. TEEAL is a full text stand alone database which offers a collection of the most important agricultural journals in the world.

**Online/Electronic Databases**

The library subscribes to a number of agricultural related online resources that complement the library’s print collection. The following online databases can be accessed from the library link at: http://host6.bca.bw

- **EBSCO Host**
- **AGRICOLA**
- **WebSPIRS**
- **Bio one E- journals**
- **FAO magazines**
- **Encyclopaedia Britannica**
Membership
Membership to the BCA library is open to students and staff of the College, external users and affiliated institutions. Library membership stands at 1060 members.

For more information contact:
The Librarian
Private Bag 0027, Gaborone, Botswana
Tel: +267 3650100/3650148
E-mail: ktamuhla@bca.bw
ACADEMIC DEPARTMENTS

BCA is made up of five academic departments and one centre.

The departments are:

1. The Department of Agricultural Economics, Education and Extension (AEE)
   The department’s Mission is to teach courses in the socio-economic Sciences to students and to enhance provision of human resources development in the country. Its major components are economics, education and extension.

2. The Department of Agricultural Engineering and Land Planning (AEL)
   Its main responsibility is to teach and train students in the physical technologies to provide expertise and technical support to agriculture and allied industries in Botswana. The department provides the required training in the four major components of agricultural engineering being; farm power and machinery, soil and water, postharvest technology and farm structures and services.

For more information contact:
Head of Department
Botswana College of Agriculture
Private Bag 0027, Gaborone, Botswana
Tel: +267 3650100/3650298
E-mail: pmalope@bca.bw
ACADEMIC DEPARTMENTS

3. Department of Animal Science and Production (ASP)- It offers courses in animal agriculture. The courses taught are meant to empower students to serve animal agriculture in their own capacity as entrepreneurs or as public or private sector employees. The department has three components; Animal Health, Animal Nutrition and Range Science.

For more information contact:
Head of Department
Botswana College of Agriculture
Private Bag 0027, Gaborone, Botswana
Tel: +267 3650100/3650290
E-mail: bsebolai@bca.bw

4. Department of Basic Sciences (BS) - It is an interdisciplinary department that provides facilities for teaching mathematics, physics, chemistry, Biometry and biological sciences. The major role of the department within the College is to teach foundation courses in the sciences to students in all programmes.

For more information contact:
Head of Department
Botswana College of Agriculture
Private Bag 0027, Gaborone, Botswana
Tel: +267 3650100/3650145
E-mail: sngwako@bca.bw

5. Department of Crop Science and Production (CSP)- It teaches and conducts relevant research in the field of crop science and production. It consists of six main disciplines: agronomy, crop protection, horticulture, forestry and range ecology and soil science.

For more information contact:
Head of Department
Botswana College of Agriculture
Private Bag 0027, Gaborone, Botswana
Tel: +267 3650100/3650290
E-mail: snsoso@bca.bw
6. **Department of Food Science and Technology (FST)** - It teaches and conducts relevant research in the field of Food Science and Technology. It consists of four main disciplines: food processing, food microbiology, food analyses and food chemistry.

For more information contact:
**Head of Department**
Botswana College of Agriculture
Private Bag 0027, Gaborone, Botswana
Tel: +267 3650100/36502262
E-mail: eabegaz@bca.bw

7. **Centre for In-service and Continuing Education (CICE)**

It is the outreach department of the College. Its responsibilities are to promote, coordinate and deliver short courses in Agriculture, rural development and related fields.

For more information contact:
**Director**
Botswana College of Agriculture
Centre for In-Service and Continuing Education
Private Bag 0027, Gaborone, Botswana
Tel: +267 3650100/3650390
E-mail: plebatha@bca.bw
ACADEMIC PROGRAMMES

Higher Diploma Programmes
(Awarded by UB)
Not offered part-time
Duration: 3 years/6 semesters Full-time

- Higher Diploma in Agriculture
- Higher Diploma in Animal Health and Production
- Higher Diploma Forestry and Range Ecology

Undergraduate Degree Programmes
(Awarded by UB)
Not offered part-time
Duration: 4 years/8 semesters Full-time

- Bachelor of Science Degree in Agriculture
- Bachelor of Science Degree in Agricultural Economics
- Bachelor of Science Degree in Agricultural Education
- Bachelor of Science Degree in Agricultural Extension
- Bachelor of Science Degree in Animal Science
- Bachelor of Science Degree in Crop Science
- Bachelor of Science Degree in Food Science and Technology
- Bachelor of Science Degree in Soil and Water Conservation Engineering

Graduate Degree Programme
(Awarded by UB)
Duration: Full-Time: 2 years
Part time: 3 years

- Master of Science Degree in Agricultural Education
- Master of Science Degree in Agricultural Engineering (with streams in Agricultural Mechanisation, Land use Planning, Soil and Water Engineering)
- Master of Science Degree in Animal Science
ACADEMIC PROGRAMMES


• Master of Science Degree in Crop Science (with streams in Agronomy, Horticulture and Crop Protection)

Entrance Qualifications for Higher Diploma and Undergraduate Degree Programmes

a) Admission to Level 100 (First Year) of the Higher Diploma or BSc degree programmes shall be on the basis of performance in Science subjects in the Botswana General Certificate of Secondary Education (BGCSE) examination, or its equivalent.

Applicants for Higher Diploma or BSc programmes shall be required to:

i) Have taken at least five subjects, including English Language and Mathematics, at the Botswana General Certificate of Secondary Education (BGCSE) examination or at one sitting of its equivalent and obtained:
   • a minimum grade of Pass (D) or its equivalent in English Language
   • a minimum grade of Credit (C) or its equivalent in Mathematics

ii) In addition to the above basic requirements, applicants for Higher Diploma or BSc programmes must have:
   a minimum grade of C or its equivalent, in at least two of
   • Physics
   • Chemistry
   • Biology

OR

a minimum grade of BB, or its equivalent, in Science Double Award or its equivalent.

iii) The other qualifying subject(s) must be a minimum of a credit or its equivalent in at least one of the following:
ACADEMIC PROGRAMMES

- Agriculture
- Development Studies
- Literature in English
- Design and Technology
- Food and Nutrition
- Computer Studies
- Business Studies
- Any other subject(s) deemed appropriate by the Faculty of Agriculture

b) An applicant who has taken relevant Advanced (A) – level or equivalent examinations and attained a minimum of one E and two Ds in the relevant subjects may be admitted to Higher Diploma or BSc degree programmes. If an applicant has grade E or better at Advanced (A)-level or equivalent examinations in Science subjects s/he may, subject to the recommendation of the relevant Head of Department and approval of the Deputy Dean, be awarded credits and exempted from equivalent course(s) prescribed for Higher Diploma or BSc programmes.

c) Applicants who have a relevant Certificate, Diploma or Higher Diploma in Agriculture or allied fields from an approved institution or equivalent qualifications may be admitted for higher Diploma Programmes or BSc respectively and be awarded credits from the Certificate, Diploma or Higher Diploma courses.

Entrance Qualifications for Graduate programmes

1. The normal minimum entrance requirement shall be a Bachelor’s degree of the University of Botswana or any other recognized University or equivalent institution with at least a second class, second division or equivalent (3.0 GPA, on a 5-point scale) in the relevant field.

2. Candidates with a ‘Pass’ or equivalent, and who have at least two years of relevant work experience, may be considered for provisional admission. After successful completion of 2 semesters of full-time academic work or 24 credits of part-time work, the
ACADEMIC PROGRAMMES

A prospective applicant is advised to discuss his/her proposed programme with the relevant department before applying.

Application for Admission: Undergraduate/Graduate.

Programmes are advertised during the period March to April each year for candidates wishing to enrol in August of the same year.

**NB:** Meeting the minimum entry requirements does not guarantee admission. Final selection of candidates is based on the best grades and availability of space.

- The College (BCA) does not offer sponsorships or bursaries. Botswana citizens admitted to undergraduate programmes are advised to apply to the Department of Tertiary Education Financing in the Ministry of Education and Skills Development for sponsorship.

- Admitted applicants will be required to produce/show letters of sponsorship at the time of registration.
• Non-Batswana students have to produce satisfactory evidence of the award of sponsorship and be in possession of valid travel documents to enter the country and resident permits.

• All self-sponsored students are required to pay all the semester fees before registration.

**CICE Courses**

*C(Course certificate awarded by BCA)* Offers short courses (one to ten days) in agriculture and rural development to certificate, diploma and degree holders in agricultural disciplines and farmers who have gone through formal education.

The following breakdown shows the current annual rates (2011/2012) for, Higher Diploma, BSc. and Masters programmes offered at BCA. The figures may be revised upwards anytime.
<table>
<thead>
<tr>
<th>PROGRAMMES</th>
<th>2012/2013 FEES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ANNUAL FEE ESTIMATE*</td>
<td>FEE FOR ONE CREDIT*</td>
</tr>
<tr>
<td><strong>UNDERGRADUATE PROGRAMMES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CERTIFICATES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science &amp; Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident Students</td>
<td>25530</td>
<td>851</td>
</tr>
<tr>
<td>Non-Resident Students</td>
<td>51060</td>
<td>1702</td>
</tr>
<tr>
<td>Other Faculties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident Students</td>
<td>19180</td>
<td>639</td>
</tr>
<tr>
<td>Non-Resident Students</td>
<td>38360</td>
<td>1279</td>
</tr>
<tr>
<td><strong>DIPLOMAS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science &amp; Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident Students</td>
<td>25530</td>
<td>851</td>
</tr>
<tr>
<td>Non-Resident Students</td>
<td>51060</td>
<td>1702</td>
</tr>
<tr>
<td>Other Faculties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident Students</td>
<td>19310</td>
<td>644</td>
</tr>
<tr>
<td>Non-Resident Students</td>
<td>38620</td>
<td>1287</td>
</tr>
<tr>
<td><strong>BACHELORS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science &amp; Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident Students</td>
<td>25530</td>
<td>851</td>
</tr>
</tbody>
</table>
## Botswana College of Agriculture Schedule of Fees

<table>
<thead>
<tr>
<th>Program</th>
<th>Resident Students</th>
<th>Non-Resident Students</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Masters Programmes</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science &amp; Engineering</td>
<td>22550</td>
<td>33825</td>
</tr>
<tr>
<td>Resident Students</td>
<td>22550</td>
<td>33825</td>
</tr>
<tr>
<td>Non-Resident Students</td>
<td>51060</td>
<td>1702</td>
</tr>
<tr>
<td><strong>MPhil Science &amp; Engineering</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident Students</td>
<td>22550</td>
<td>33825</td>
</tr>
<tr>
<td>Non-Resident Students</td>
<td>33825</td>
<td>1409</td>
</tr>
</tbody>
</table>
**BOTSWANA COLLEGE OF AGRICULTURE SCHEDULE OF FEES**

* Based on normal load of 30 credits for undergraduates and 24 credits for post graduate students.

<table>
<thead>
<tr>
<th><strong>International Students</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Feel (Undergraduate/Post-Graduate)</strong></td>
<td></td>
</tr>
<tr>
<td>Administration Fee</td>
<td></td>
</tr>
<tr>
<td>Students from Africa</td>
<td>3050</td>
</tr>
<tr>
<td>Students from other Continents</td>
<td>4260</td>
</tr>
<tr>
<td>Group Study Abroad</td>
<td></td>
</tr>
<tr>
<td>Students from Africa</td>
<td>770</td>
</tr>
<tr>
<td>Students from other Continents</td>
<td>1220</td>
</tr>
<tr>
<td>Group Study Abroad (Special Service)=20% of the cost of activity</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Other Fees</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee</td>
<td></td>
</tr>
<tr>
<td>Resident Students</td>
<td>240</td>
</tr>
<tr>
<td>Non-Resident Students</td>
<td>470</td>
</tr>
<tr>
<td>Late Application Fee</td>
<td></td>
</tr>
<tr>
<td>Resident Students</td>
<td>350</td>
</tr>
</tbody>
</table>
### BOTSWANA COLLEGE OF AGRICULTURE SCHEDULE OF FEES

<table>
<thead>
<tr>
<th>Non-Resident Students</th>
<th>700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Life Fee</td>
<td>90</td>
</tr>
<tr>
<td>Late Registration Fee Day</td>
<td>140</td>
</tr>
<tr>
<td>(Returning Students) (maximum 14 days)</td>
<td></td>
</tr>
<tr>
<td>Late Registration Fee Day</td>
<td>80</td>
</tr>
<tr>
<td>(New Students) (maximum 14 days)</td>
<td></td>
</tr>
<tr>
<td>Transcript Fee</td>
<td>35</td>
</tr>
<tr>
<td>Identity Card Fee</td>
<td>50</td>
</tr>
</tbody>
</table>

#### Accommodation Fee

| Under Graduate Full Time Student/Annum | 5290 |
| Under Graduate Hostel Fee during Holidays/Day | 35   |
| Under Graduate Hostels For Non-Students |      |
| During Holidays /Day                  | 180  |
| Graduate Hostels/Annum                | 8940 |
| Graduate Hostels/Annum (Including Holidays) | 12780 |
**BOTSWANA COLLEGE OF AGRICULTURE SCHEDULE OF FEES**

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Hostels Fee during Holidays/Day</td>
<td>80</td>
</tr>
<tr>
<td>Graduate Hostels For Non-Students During Holidays/Day</td>
<td>400</td>
</tr>
<tr>
<td>Laundry Fee/Annum</td>
<td>560</td>
</tr>
</tbody>
</table>

**Subject to change during 2012/2013**
Entrepreneurship Development Programme – The aim of this programme is to create entrepreneurship awareness in final year students and staff of the College as well as to inculcate a spirit of entrepreneurship. The programme is done in partnership with the Local Enterprise Authority (LEA).

- Employment in the public service in the Ministries of Agriculture, Local Government, Education and other government departments which require expert agricultural advice.
- Extension Services – advising farmers on better agricultural techniques.
- Research – Doing agricultural research in any one of the five major areas – Crop Science and Production, Animal Science and Production, Agricultural Economics, Agricultural Engineering and Agronomy.
- Teaching in secondary or agricultural schools
- Woking in Public Corporations such as banks and cooperatives as Project Officer for their agricultural projects or in management of their agricultural enterprises.
- Opportunities also exist in the private sector such as farm management and project evaluation in Agri-businesses.
- Self-employment – by taking advantage of programmes offered by the government.

BCA CONSULT

Introduction
The Botswana College of Agriculture (BCA), an Associate Institution of the University of Botswana, has been in existence for over 30 years. During this period, it has made substantial contribution to agricultural development in Botswana through training of human resources and research in various agricultural disciplines. BCA academic staff members have varied specialised knowledge and experience vital for agricultural and agro-industrial development in Botswana and the region.
The College recently established a consultancy company with the aim of offering services in three themes namely:

- **Commissioned Consultancy Services**
- **Contracted Research and Development**
- **Professional Development Programmes**

The services are designed primarily to assist government, parastatals, agricultural institutions and enterprises, manufacturers, non-governmental and international organizations in Botswana and the SADC region.

**Capacity**

BCA is made up of five academic departments with highly trained personnel. The staff is composed of a multi-disciplinary group of PhD and MSc holders specialising in nearly all aspects of agricultural and agro-industry.

The staff can call upon the service of advanced analytical laboratories, stocked BCA/Department of Agricultural Research (DAR) libraries, computer facilities and crop and livestock farm units. In addition, being an Associate Institution of the University of Botswana greatly strengthens BCA’s ability to participate in large integrated projects.

BCA is therefore a high calibre human resource centre with capacity to offer consultancy and advisory services for operations in agricultural and agro-industry projects ranging from small-scale local enterprises to national development programmes.

**Philosophy**

Our philosophy is to understand your business, collect and analyse information pertaining to it, assemble relevant facts and projections, and give expert advice to enable you to reach the right decision on your undertaking.
AREAS OF COMPETENCE

Agricultural Economics and Policy
- Resource economics and farm enterprise selection advice.
- Project planning and implementation
- Farm business feasibility studies
- Pre-investment studies
- Assessment of socio-economic implications of agricultural development schemes
- Marketing research and analysis
- Market planning and management.
- Policy analysis

Agricultural Education and Extension
- Development of target-oriented training
- Development of curriculum and training material
- Development of extension programmes
- Anthropological and sociological surveys
- Baseline studies and pre-feasibility studies
- Formulation, monitoring and evaluation of projects.

Agricultural Engineering & Land Planning
- Farm machinery policy and strategy formulation
- Farm machinery testing and evaluation
- Farm mechanization strategies/planning
- Tillage systems support
- Environmental Impact Assessment (EIA)
- GIS and Remote Sensing solutions
- Irrigation system design and implementation
- Land surveying and land use planning
- Design and building of agricultural structures
- Crop processing, packaging and storage.

Animal Science and Production
- Livestock production projects planning
- Dairy project development
- Poultry, pigs, sheep/goats production system
  Herd health
- Beef ranching
- Range and pasture development
- Forage production and conservation
AREAS OF COMPETENCE

- Formulation of dairy, poultry and pig rations
- Feed evaluation
- Wildlife farming.

Basic Sciences
- Planning and management of biological experiments
- Statistical analysis of biometrical information
- Evaluation of animal/plant genetic improvement
- Evaluation of tradition medicinal plants
- Taxonomical reviews and analysis
- Plant and animal mapping
- Epidemiological modelling
- Ethno botany and plant diversity documentation
- Nutritional analysis service.

Crop Science and Production
- Assessment, management and evaluation of integrated pest management strategies
- Agrochemical evaluation for insect pests, diseases and weeds
- Soil survey, mapping and classification
- Advise on soil fertility and fertilizer use
- Soil analysis services.
- Assessment of dry land farming and horticulture potential
- Promotion of agro-forestry on farms for fuel and fodder supplies and for soil and water conservation and soil fertility improvement
For more information contact:
Deputy Dean
Private Bag 0027, Gaborone, Botswana
Tel: +267 3650100/3650106
E-mail: mtapela@bca.bw

For more information please visit our Website at http://www.bca.bw

OR
Public Relations Office
Botswana College of Agriculture
Private Bag 0027, Gaborone, Botswana
Tel: (267) – 3650100/3650123
Fax: (267) – 3928753
E-mail: lagang@bca.bw